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Sr. #	Title	Authors	Journal Name	Status			IF
				Accepted	Vol(Issue): pp	Year	
1.	Evaluation thermal degradation kinetics of ionic liquid assisted polyetheretherketone-multiwalled carbon nanotubes composites	Ahmad, A., Mansor, N., Mahmood, H., Sharif, F., Safdar, R., Moniruzzaman, M.	J. Appl. Polym. Sci.	Published		Jan-23	3.125
2.	Drug/bioactive eluting chitosan composite foams for osteochondral tissue engineering	Muhammad Samie, Ather Farooq Khan, Saeed Ur Rahman, Haffsah Iqbal, Muhammad Arfat Yameen, Aqif Anwar Chaudhry, Hanaa A. Galeb, Nathan R. Halcovitch, John G. Hardy	International Journal of Biological Macromolecules	Published	229: 561-574	Feb-23	8
3.	AIEE active fluorophores for the sensitive detection of iron ions: An advanced approach towards optical and theoretical investigation	Mohammed A. Assiri, Suman Hanif, Hafiz Muhammad Junaid, Asad Hamad, Hasher Irshad, Muhammad Yar, Waqar Rauf, Sohail Anjum Shahzad	Journal of Photochemistry and Photobiology A: Chemistry	Published	438:1145-14	Apr-23	5.1
4.	Polypyrrole enwrapped binary metal oxides nanostructures for in-vitro Dopamine detection from lacrimal fluid	Umay Amara, Khalid Mahmood, Majid Khan, Mian Hasnain Nawaz	Microchemical Journal	Published	185:1082-54	23-Feb	4.82
5.	Rapid Wet Chemical Synthesis of Bioactive Glass with High Yield by Probe Sonication	Asma Tufail Shah, Mehvish Zahoor, Nawshad Muhammad, Franz Kamutzki, Johannes Schmidt, Oliver Goerke	Journal of Materials Chemistry B	Published		23-Jan	7.5
6.	Colorimetric sensing of heavy metals on metal doped metal oxide nanocomposites: A review	Zainab Ali ,Rooh Ullah, Mustafa Tuzen, Saif Ullah, Abdur Rahim, Tawfik A. Saleh	Trends in Environmental Analytical Chemistry	Published	37:(e00187)	2023	13.62
7.	Cyclophosphazene Intrinsically Derived Heteroatom (S, N, P, O)-Doped Carbon Nanoplates for Ultrasensitive Monitoring of Dopamine from Chicken Samples	Yasir Abbas, Naeem Akhtar , Sania Ghaffar, Ahlam I Al-Sulami, Muhammad Asad, Muhammad Ehsan Mazhar, Farhan Zafar, Akhtar Hayat , Zhanpeng Wu	Biosensors	Published	12:1106	2022	5.7
8.	Developing sulfur-doped titanium oxide nanoparticles loaded chitosan/cellulose-based	Abdur R Aleem, Lubna Shahzadi, Muhammad Nasir , Pegah Hajivand, Farah Alvi, Amna Akhtar, Mubashra Zehra, Azra Mehmood, Muhammad Yar	Journal of Biomedical Materials Research Part B:	Published	110:1069-1081	2022	3.4

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	proangiogenic dressings for chronic ulcer and burn wounds healing		Applied Biomaterials				
9.	Synthesis, physical, optical and gamma radiation shielding capacities of novel mercuric-sodium-lead-borate glasses	Y.S. Rammaha, Asma Tufail Shah , Oliver Görke, N.V. Kudrevatykh, A.S. Abouhaswa	Materials Research Bulletin	Published	160:112123	2022	1.7
10.	Functionalized organic filler based integrated membranes for environmental remediation	Alisha Tariq, Abdul Rehman Khurram, Sikander Rafiq, Tanveer Iqbal, Asif Jamil, Sidra Saqib, Ahmad Mukhtar, Nawshad Muhammad , Asim Laeeq Khan, Mian Hasnain Nawaz , Farrukh Jamil, Muhammad Bilal Khan Niazi, Ali Raza Afzal, Shafiq Uz Zaman	Chemosphere	Published	303:135073	2022	7.0
11.	Sustainable silver nanoparticles as the vector for green therapeutics in oncology	Amjad Hassan, Arsalan Ahmed Ansari , Nawshad Muhammad, Adnan Khan, Saira Khalid, Faiza Sharif	Applied Nanoscience	Published	12:1425–1434	2022	3.6
12.	, First genetic report of Ixodes kashmiricus and associated Rickettsia sp.	Muhammad Numan, Nabeela Islam, Muhammad Adnan, Sher Zaman Safi , Lidia Chitimia-Dobler, Marcelo B Labruna, Abid Ali	Parasites & Vectors	Published	15:44938	2022	3.8
13.	Multidimensional Chromatography and Its Applications in Food Products, Biological Samples and Toxin Products:	Ruhul Amin, Faruk Alam, Biplab Kumar Dey, Jithendar Reddy Mandhadi, Talha Bin Emran, Mayeen Uddin Khandaker, Sher Zaman Safi	Separations	Published	9:326	2022	3.3
14.	Recent advances in respiratory diseases: Dietary carotenoids as choice of therapeutics	Fahadul Islam, Maniza Muni, Saikat Mitra, Talha Bin Emran, Deepak Chandran, Rajib Das, Abdur Rauf, Sher Zaman Safi , Kumarappan Chidambaram, Manish Dhawan, Chunhoo Cheon, Bonglee Kim	Biomedicine & Pharmacotherapy	Published	113786	2022	7.4
15.	Global mortality associated with 33 bacterial pathogens in 2019: a systematic analysis for the Global Burden of Disease	Kevin S Ikuta, Lucien R Swetschinski, Gisela Robles Aguilar, Fablina Sharara, Tomislav Mestrovic, Authia P Gray, Nicole Davis Weaver, Eve E Wool, Chieh Han, Anna Gershberg Hayoon, Semagn Mekonnen Abate, Getachew Abebe, Misganu Teshoma Regasa, Melese Abate Reta, Giuseppe Remuzzi, ..., Sher Zaman Safi , ..., Abanoub Riad, Harihar Sahoo, Francesco Sanmarchi, Brijesh Sathian, Monika Sawhney, Allen Pritik Seylani, Mequannent Melaku Sharew, Mika Shigematsu,	The Lancet	Published	400:2221-2248	2022	79.3

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		Negussie Boti, Migbar Mekonnen Sibhat, ...,					
16.	Potential application of nanotechnology in the treatment, diagnosis, and prevention of Schistosomiasis	Abdul Qadeer, Hanif Ullah, Muhammad Sohail, Sher Zaman Safi , Abdur Rahim, Tawfik A Saleh, Safia Arbab, Petr Slama10, Pavel Horky11	Frontiers in Bioengineering and Biotechnology	Published	https://www.frontiersin.org/articles/10.3389/fbioe.2022.1013354/full	2022	6.0
17.	Bioinspired NC Coated BM-ZIF for Electrochemical Monitoring of Adrenaline from Blood and Pharmaceutical Samples	Faria Shakeel, Muhammad Asad, Farhan Zafar, Adel A Abdelwahab, Naeem Akhtar , Hafiz Badaruddin Ahmad, Zahid Shafiq, Mohamed A Shenashen	Electroanalysis	Published	34:	2022	3.22
18.	Sensitive determination of Cu (II) ions using different doped carbon dot and silver nanocomposites: comparative study	M Zaib, A Sarfaraz, N Akhtar , T Shahzadi	International Journal of Environmental Science and Technology	Published	12:9861	2022	2.8
19.	Enhanced bactericidal and in vivo wound healing potential of biosynthesized zinc oxide nanoparticles from psyllium mucilage	Aiza Azam, Gulzar Muhammad, Muhammad Shahbaz Aslam, Muhammad Mudassir Iqbal, Muhammad Arshad Raza, Naeem Akhtar , Muhammad Ajaz Hussain, Noreen Sajjad, Asad Syed, Ali H Bahkali, Zahid Shafiq	Applied Organometallic Chemistry	Published	e6923	2022	4.1
20.	Sensitive detection of sulphide ions using green synthesized monometallic and bimetallic nanoparticles: comparative study	Maria Zaib, Tabinda Malik, Naeem Akhtar , Tayyaba Shahzadi	Waste and Biomass Valorization	Published	13:2447	2022	3.4
21.	Melamine-derived N-rich C-entrapped Au nanoparticles for sensitive and selective monitoring of dopamine in blood samples	Faria Shakeel, Muhammad Waseem Fazal, Anam Zulfiqar, Farhan Zafar, Naeem Akhtar , Arsalan Ahmed, Hafiz Badaruddin Ahmad, Safeer Ahmed, Asad Syed, Ali H Bahkali, Muhammad Abdullah, Zahid Shafiq	RSC advances	Published	12:26390	2022	4.0
22.	Zinc Containing Calcium Phosphates Obtained Via Microwave Irradiation of Suspensions	Chaudhry, A. A. ,* Khalid, H., Zahid, M., Ijaz, K., Akhtar, H., Younas, B., Manzoor, F., Iqbal, F. , Rehman, I. U.,	Materials Chemistry and Physics	Published	276:124921	2022	4.0
23.	Osteogenic Induction with Silicon Hydroxyapatite Using Modified Autologous Adipose Tissue-Derived Stromal Vascular Fraction: In Vitro and Qualitative Histomorphometric	Khan, M. M., Butt, S. A., Chaudhry, A. A. ,* Rashid, A., Ijaz, K., Majeed, A., Gul, H	Analysis, Materials	Published	15:1826	2022	3.7
24.	A study of the comparative effect of cerium oxide and cerium peroxide on stimulation of	Zubairi, W., Tehseen, S., Nasir, M. , Chaudhry, A. A. , Rehman, I., Yar, M. ,	Journal of Biomedical Materials	Published	12:2751-2762	2022	3.4

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	angiogenesis: Design and synthesis of pro-angiogenic chitosan/collagen hydrogels		Research Part B: Applied Biomaterials				
25.	Bioactive Composite for Orbital Floor Repair and Regeneration	A Chaudhry , Gwendolen C Reilly, Ihtesham U Rehman,	International Journal of Molecular Sciences	Published	23:10333	2022	6.2
26.	Nickel-doped iron oxide nanoparticle-conjugated porphyrin interface (porphyrin/Fe ₂ O ₃ @ Ni) for the non-enzymatic detection of dopamine from lacrimal fluid	Umay Amara, Khalid Mahmood, Muhammad Awais, Muhammad Khalid, Muhammad Nasir , Sara Riaz, Akhtar Hayat , Mian Hasnain Nawaz	Dalton Transactions	Published	51:5098-5107	2022	4.5
27.	Insight into prognostics, diagnostics, and management strategies for SARS CoV-2	Umay Amara, Sidra Rashid, Khalid Mahmood, Mian Hasnain Nawaz , Akhtar Hayat , Maria Hassan	RSC advances	Published	12:8059-8094	2022	4.0
28.	A novel construct of an electrochemical acetylcholinesterase biosensor for the investigation of malathion sensitivity to three different insect species using a NiCr ₂ O ₄ /g-C ₃ N ₄ composite integrated pencil graphite electrode	Sehrish Bilal, Muhammad Nasir , M Mudassir Hassan, Muhammad Fayyaz ur Rehman, Amtul Jamil Sami, Akhtar Hayat	RSC advances	Published	12:16860-16874	2022	4.0
29.	Efficient Preparation of a Nonenzymatic Nanoassembly Based on Cobalt-Substituted Polyoxometalate and Polyethylene Imine-Capped Silver Nanoparticles for the Electrochemical	Amna Yaqub, Syeda Rubina Gilani, Sehrish Bilal, Akhtar Hayat , Anila Asif, Saadat Anwar Siddique	ACS omega	Published	7:149-159	2022	4.1
30.	Fabrication of MoS ₂ wrapped carbon cloth as electrochemical probe for non-enzymatic detection of dopamine	Mariam Sabar, Umay Amara, Sara Riaz, Akhtar Hayat , Muhammad Nasir , Mian Hasnain Nawaz	Materials Letters	Published	308:131233	2022	3.4
31.	Fabrication of ionic liquid stabilized MXene interface for electrochemical dopamine detection	Umay Amara, Bilal Sarfraz, Khalid Mahmood, Muhammad Taqi Mehran, Nawshad Muhammad , Akhtar Hayat , Mian Hasnain Nawaz	Microchimica Acta	Published	189:64	2022	6.2
32.	Black phosphorus nanosheets/poly (allylamine hydrochloride) based electrochemical immunosensor for the selective detection of human epididymis protein 4	Muhammad Azhar Hayat Nawaz , Mahmood Hassan Akhtar, Jia Ren, Naem Akhtar , Akhtar Hayat , Cong Yu	Nanotechnology	Published	33:485502	2022	3.3
33.	Decorating Zirconium on Graphene Oxide to Design a Multifunctional Nanozyme for Eco-Friendly Detection of Hydrogen Peroxide	Ayesha Saleem Siddiqui, Muhammad Ashfaq Ahmad, Mian Hasnain Nawaz , Akhtar Hayat , Muhammad Nasir	Catalysts	Published	12:1105	2022	8.0

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34.	Multifunctional Smart ZnSe-Nanostructure-Based Fluorescent Aptasensor for the Detection of Ochratoxin A	Muhammad Azhar Hayat Nawaz , Muhammad Waseem Fazal, Naeem Akhtar , Mian Hasnain Nawaz , Akhtar Hayat , Cong Yu	Biosensors	Published	12:844	2022	5.7
35.	N-Doped graphene quantum dots (N-GQDs) as fluorescent probes for detection of UV induced DNA damage	Gulshan Jabeen, Muhammad Hassan Ahmad, Muhammad Aslam, Sara Riaz, Akhtar Hayat , Mian Hasnain Nawaz	RSC Advances	Published	12:22458-22464	2022	4.0
36.	Modeling the nocturnal/diurnal and seasonal real world absorption spectra of polycyclic aromatic hydrocarbons and their derivatives in two Chinese polluted cities	Sahiba Fareed. Sobia Tabassum , Tariq Mahmood, Khurshid Ayub, Asim Laeeq Khan, Muhammad Yasine, Arsalan Ahmad Raja, Mazhar Amjad Gilani	Journal of Environmental Chemical Engineering	Published	10:108912	2022	7.6
37.	Effect of nanocrystalline cellulose/silica-based fillers on mechanical properties of experimental dental adhesive	Muhammad Sabir; Mariam Raza Syed; Usama Siddiqui; Asif Ali; Abdur Rahim ; Saad Liaqat; Asma Tufail Shah ; Faiza Sharif ; Abdul Samad Khan, Nawshad Muhammad	Polymer Bulletin POBU-D-22-00298R1	Published	https://doi.org/10.1007/s00289-022-04503-9	2022	2.8
38.	HPMC crosslinked chitosan/hydroxyapatite scaffolds containing Lemongrass oil for potential bone tissue engineering applications	Hafiz U Ali, Dure N Iqbal, Munawar Iqbal, Safa Ezzine, Aysha Arshad, Rabia Zeeshan , Aqif A Chaudhry , Samar Z Alshawwa, Arif Nazir, Ather F Khan	Arabian Journal of Chemistry	Published	15:103850	2022	6.2
39.	Electrospun Antibacterial Composites for Cartilage Tissue Engineering	Muhammad Samie, Ather Farooq Khan , John George Hardy, Muhammad Arfat Yameen	Macromolecular Bioscience	Published	22, 2200219	2022	4.9
40.	Graphene Oxide Reinforced Silk Fibroin Nanocomposite as an Electroactive Interface for Estimation of Dopamine	Afifa Noor, Hamad Khalid , Muhammad Aslam, Akhtar Hayat , Ather Farooq Khan , Muhammad Nasir , Aqif Anwar Chaudhry , Mian Hasnain Nawaz	RSC Advances	Published	12:29319-29328	2022	4.0
41.	Heparin-Loaded Alginate Hydrogels Characterization and Molecular Mechanisms of Their Angiogenic and Anti-Microbial Potential	Ayesha Nawaz, Sher Zaman Safi , Shomaila Sikandar, Rabia Zeeshan , Saima Zulfikar, Nadia Mehmood, Hussah M Alobaid, Fozia Rehman , Muhammad Imran, Muhammad Tariq, Abid Ali, Talha Bin Emran, Muhammad Yar	Materials	Published	15:6683	2022	3.6
42.	An efficient new method for electrospinning chitosan and	Lubna Shahzadi, Amna Ramzan, Awais Anjum, Faiza	Journal of Applied	Published	139:e53212	2022	3.12

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	heparin for the preparation of pro-angiogenic nanofibrous membranes for wound healing applications	Jabbar, Ather Farooq Khan ,Faisal Manzoor,Sohail Anjum Shahzad, Aqif Anwar Chaudhry ,Ihtesham ur Rehman, Muhammad Yar	Polymer Science				
43.	Aloe vera and ofloxacin incorporated chitosan hydrogels show antibacterial activity, stimulate angiogenesis and accelerate wound healing in full thickness rat model	Ahmad Khan, Anisa Andleeb, Maryam Azam, Saimoon Tehseen, Azra Mehmood, Muhammad Yar	Journal of Biomedical Materials Research - Part B Applied Biomaterials	Published	111:331-342	2022	3.4
44.	Effect of novel FUDMA-TEGDMA resin on resin-dentine adhesion strength	Usman Ashraf , James K.H. Tsoi, Jingwei He, Asma T. Shah , Abdul S. Khan ,Edmond H.N. Pow, Jukka P. Matinlinna	International Journal of Adhesion and Adhesives	Published	118:103229	2022	3.1
45.	Metal-free, low-cost, and high-performance membraneless ethanol fuel cell	Mian A. Ali, Graziela C. Sedenho, Jessica C. Pacheco, Rodrigo M. Iost, Asma Rahman, Ayaz Hassan , Daniel R. Cardoso, Roberto S. Gomes, Frank N. Crespilho	Journal of Power Sources	Published	555:232164	2022	9.7
46.	A Nile red-based near-infrared fluorescent probe for the detection of superoxide radical anion in living cells	Lv Jun-Ying, Muhammad Azhar Hayat Nawaz , Liu Ning, Zhou Hui-Peng, Ejaz HUSSAIN, WEN Xin, GOU Xiao-Yu, JIN Xing, YU Cong	Chinese Journal of Analytical Chemistry	Published	50:100140	2022	1.8
47.	Polypeptide induced perylene probe excimer formation and its application for the noncovalent ratiometric detection of matrix metalloproteinase activity	Xiaoyu Gou, Muhammad Azhar Hayat Nawaz , Chaoyi Liu, Na Yang, Jia Ren, Huipeng Zhou, Yunhui Li, Wenzhao Han, Cong Yu	Journal of Materials Chemistry B	Published	10:5774-5783	2022	6.3
48.	Effect of Augmentin-coated silver nanoparticles on biological and mechanical properties of orthodontic bracket cement, Materials Technology Advanced Performance Materials	Arfa Ahmed, Nawshad Muhammad, Asif Ali, Zeeshan Mutahir, Abdul Samad Khan, Faiza Sharif, Asma Tufail Shah , Zia Ul Haq, Saad Liaqat & Muhammad Adnan Khan,	Materials Technology	Published	37:2983-2994	2022	3.8
49.	Synthesis, Physical, Optical Characteristics and Ionizing Radiation Resistance of Newly Boro-Bariofluoride/Sodium/Calcium/Nickel Glasses: B2O3·BaF2·CaO·Na2O·NiO,	Oliver Görke, Asma Tufail Shah , N. V. Kudrevatykh, A. S. Abouhaswa, Y. S. Rammah,	Journal of Inorganic and Organometallic Polymers and Materials,	Published	32:4260–4269	2022	3.5

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50.	Superalkali (Li ₂ F, Li ₃ F) doped Al ₁₂ N ₁₂ electrides with enhanced static, dynamic nonlinear optical responses, and refractive indices	Rehana Bano, Muhammad Arshad. Tariq Mahmood, Khurshid Ayub, Ahsan Sharif. Sobia Tabassum	Materials Science in Semiconductor Processing	Published	143:1065-18	2022	3.9
51.	Optimized nonlinear optical (NLO) response of silicon carbide nanosheet by alkali metals doping: a DFT insight	Junaid Yaqoob, Tariq Mahmood, Khurshid Ayub, Sobia Tabassum, Ather Farooq Khan , Shagufta Perveen, Jucai Yang, Mazhar Amjad Gilani	European Physical Journal Plus	Published	https://doi.org/10.1140/epjp/s13360-022-02418-y	2022	3.7
52.	Cyclodextrin nanoparticles for diagnosis and potential cancer therapy: A systematic review	Anandakrishnan Karthic, Arpita Roy, Jaya Lakkakula, Saad Alghamdi, Afnan Shakoori, Ahmad O Babalghith, Talha Bin Emran, Rohit Sharma, Clara Mariana Gonçalves Lima, Bonglee Kim, Moon Nyeo Park, Sher Zaman Safi , Ray Silva de Almeida, Henrique Douglas Melo Coutinho	Frontiers in Cell and Developmental Biology	Published	https://www.frontiersin.org/articles/10.3389/fcell.2022.984311/full	2022	6.6
53.	Investigation of Klotho G395A and C1818T Polymorphisms and Their Association with Serum Glucose Level and Risk of Type 2 Diabetes Mellitus	Muhammad Sadiq Aziz, Aziz-ul-Hasan Aamir, Ajab Khan, Zahid Khan, Syed Qaiser Shah, Sher Zaman Safi , Kalaivani Batumalaie, Hussah M Alobaid, Abd Ali, Muhammad Imran	Genes	Published	26:1532	2022	4.1
54.	Central Composite Designed Fast Dissolving Tablets for Improved Solubility of the Loaded Drug Ondansetron Hydrochloride	Chandrashekar Thalluri, Ruhul Amin, Jithendar Reddy Mandhadi, Amel Gacem, Talha Bin Emran, Talha Bin Emran, Biplab Kumar Dey, Arpita Roy, Mohammed S Algahtani, Moamen S Refat, Sher Zaman Safi , Amnah Mohammed Alsuhaibani	BioMed Research International	Published	2467574	2022	2.5
55.	Genetic Analysis of Restriction Fragment Length Polymorphism of TLL1 Gene (rs17047200) in Patients of Hepatocellular Carcinoma	Saima Sharif, Sadia Ashraf, Shagufta Naz, Sher Zaman Safi , Muhammad Saqib	Proceedings of the Pakistan Academy of Sciences: Part B	Published	59:65-70	2022	
56.	Targeting Molecular Mediators of Oxidative Stress for Neurolongevity and Neuroprotection	Saikat Mitra, Maniza Muni, Nusrat Jahan Shawon, Rajib Das, Talha Bin Emran, Rohit Sharma, Deepak Chandran,	Oxidative Medicine and Cellular Longevity	Published	2022:399-9083	2022	7.3

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		Fahadul Islam, Md Hossain, Sher Zaman Safi , Sherouk Hussein Sweilam					
57.	Age–sex differences in the global burden of lower respiratory infections and risk factors, 1990–2019: results from the Global Burden of Disease Study 2019	Hmwe Hmwe Kyu, Avina Vongpradith, Sarah Brooke Sirota, Amanda Novotney, ... Sher Zaman Safi ...Christopher E Troeger, Matthew C Doxey, et al.	lancet infectious diseases	Published	22:1626-1647	2022	71.4
58.	Mechanisms of β -adrenergic receptors agonists in mediating pro and anti-apoptotic pathways in hyperglycemic Müller cells	Sher Zaman Safi , Laiba Saeed, Humaira Shah, Zahina Latif, Abid Ali, Muhammad Imran, Nawshad Muhammad, Talha Bin Emran, Vetriselvan Subramaniyan, Ikram Shah Bin Ismail	Molecular Biology Reports	Published	49:9473–9480	2022	2.3
59.	Wound dressings: Recent updates	Hitesh Chopra, Sandeep Kumar, Sher Zaman Safi , Inderbir Singh, Talha Bin Emran	International journal of surgery	of Published	104:1067-93	2022	13.4
60.	Molecular dynamics simulations reveal the inhibitory mechanism of Withanolide A against α -glucosidase and α -amylase	Habeebat Adekilekun Oyewusi, Yuan-Seng Wu, Sher Zaman Safi , Roswanira Abdul Wahab, Mohd Hayrie Mohd Hatta, Kalaivani Batumalaie	Journal of Biomolecular Structure and Dynamics	Published	https://doi.org/10.1080/07391102.2022.2104375	2022	5.2
61.	Adolescent transport and unintentional injuries: a systematic analysis using the Global Burden of Disease Study 2019	my E Peden, Patricia Cullen, Koulmane Laxminarayana, Chen Lee, Samson Mideksa Legesse, Shanshan Li, Stephen S Lim, Adeyimika, Bachelor Afolabi, Bright Opoku Ahinkorah, Ahmad, Maciej Banach, Palash Chandra Banik, Hansi Bansal, Mainak Bardhan, Xiaochen... Sher Zaman Safi ...Saswati Das Xiaochen Dai, Giovanni Damiani, et al	Lancet Public Health	Published	7:E657-E669	2022	72.4
62.	Molecular survey and genetic characterization of Anaplasma marginale in ticks collected from livestock hosts in Pakistan	Zaibullah Khan, Shehla Shehla, Abdulaziz Alouffi, Muhammad Kashif Obaid, Alam Zeb Khan, Mashal M Almutairi, Muhammad Numan, Ome Aiman, Shumaila Alam, Shafi Ullah, Sher Zaman Safi , Tetsuya Tanaka, Abid Ali	Animals	Published	12:1708	2022	3.2

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63.	Surface tuning of silica by deep eutectic solvent to synthesize biomass derived based membranes for gas separation to enhance the circular bioeconomy	Rafiq, Sikander, Nawshad Muhammad, Fozia Rehman, Muhammad Irfan and Shafiq Uz Zaman et al.	Fuel	Published	310:1223 55	2022	6.6
64.	Development of a Nonenzymatic Colorimetric Sensor for the Detection of Uric Acid Based on Ionic Liquid-Mediated Nickel Nanostructures	Umar Nishan, Wajid Ullah, Nawshad Muhammad, Muhammad Asad, Saifullah Afridi, Muslim Khan, Mohibullah Shah, Naeem Khan, and Abdur Rahim	ACS Omega	Published	7(26983– 26991)	2022	4.1
65.	The stimulus role of lithium sulfate (Li ₂ SO ₄) on the electrical and mechanical properties of poly (vinyl alcohol)-MWCNTS-based thin film composites	Ihsan Ullah, Abdur Rab, Abdur Rahim, Muhammad Tariq, Ayaz Hassan , Tawfik. A. Saleh, Jehangeer Khan & Hizb Ullah Khan	Journal of Materials Science: Materials in Electronics	Published	33(18157– 18166)	2022	2.4
66.	DNA-templated electrodeposition of silver nanoparticles for direct and label-free aptasensing of ochratoxin A	Seemal Mansoor Amina Rhouati Sara Riaz MihaelaBadea Akhtar Hayat	Analytical Biochemistry	Published	639:1145 40	2022	2.2
67.	Nanoceria surface: the most sensitive redox-triggered one step nano-amplifier for fluorescence signal of ochratoxin A	Sidra Rashid, Zoya Zaman, Muhammad Nasir , Asrar Ahmed, Silvana Andreescu, Maham Liaqat & Akhtar Hayat	Journal of Nanostructure in Chemistry	Published	12:223– 233	2022	8.0
68.	Assessment of pesticide induced inhibition of Apis mellifera (honeybee) acetylcholinesterase by means of N-doped carbon dots/BSA nanocomposite modified electrochemical biosensor	Sehrish Bilal Amtul Jamil Sami Akhtar Hayat Muhammad Fayyaz ur Rehman	Bioelectrochemistry	Published	144:1079 99	2022	5.3
69.	Dual optimized Sulfonated polyethersulfone and functionalized multiwall carbon tube based composites high fouling resistance membrane for protein separation	Muhammad Irfan, Masooma Irfan, Ani Idris, Abdullah Saad Alsubaie, Khaled H. Mahmoud and Naeem Akhtar	Membranes	Published	12:329	2022	3.9
70.	Effect of Dope Flow Rate and Post-Treatment on the Morphology, Permeation and Metal Ion Rejection from	Muhammad Irfan , Masooma Irfan, Ani Idris, Abdullah Saad Alsubaie, Khaled H. Mahmoud and Nawshad Muhammad	Membranes	Published	12:305	2022	3.9

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	PES/LiBr-Based UF Hollow Fiber Membranes						
71.	Osteogenic and antibacterial scaffolds of silk fibroin/Ce-doped ZnO for bone tissue engineering	Sehrish Sarfaraz, Afsar Khan, Fareeha Hameed, Aysha Arshad, Zeeshan Mutahir, Rabia Zeeshan , Kashif Ijaz, Aqif Anwar Chaudhry , Hamad Khalid , Ihtesham ur Rehman, Ather Farooq Khan	International Journal of Polymeric Materials and Polymeric Biomaterials	Published	https://doi.org/10.1080/00914037.2022.2090938	2022	2.6
72.	Organic-inorganic hybrid films of the sulfate Dawson polyoxometalate, [S ₂ W ₁₈ O ₆₂] ⁴⁻ , and polypyrrole for iodate electrocatalysis	A. Yaqub, M. Vagin, J. Walsh, T. McCormac, F. Laffir, M. Yaqub	ACS Omega	Published	7:43381–43389	2022	4.1
73.	A DFT investigation on theranostic potential of alkaline earth metal doped phosphorenes for ifosfamide anti-cancer drug	H. Karim, Shahnaz, M. Batool, M. Yaqub , M. Saleem, M. A. Gilani, S. Tabassum ,	Applied surface Science	Published	596:1536–18	2022	7.3
74.	Electrochemical Studies of LbL Films With Dawson Type Heteropolyanion Glassy Carbon Electrode Sensor Modified for Methyl Parathion Detection	N. Ditta, M. Yaqub , S. Nadeem, S. Jamil, S. Hassan, S. Iqbal, Mohsin J. Elkaeed, R. Alzhrani, N. Awwad, H. Ibrahim,	Frontiers in Materials	Published	https://www.frontiersin.org/articles/10.3389/fmats.2022.877683/full	2022	3.5
75.	Non-enzymatic electrochemical sensing of dopamine from COVID-19 quarantine person	Tayyaba Masood, Muhammad Asad, Sara Riaz, Naeem Akhtar , Akhtar Hayat , Mohamed A. Shenashen, Mohammed M. Rahman	Materials Chemistry and Physics	Published	289:1264–51	2022	4.0
76.	Hydrogel assisted synthesis of gold nanoparticles with enhanced microbicidal and in vivo wound healing potential	Zahra Batool, Gulzar Muhammad, Muhammad Mudassir Iqbal, Muhammad Shahbaz Aslam, Muhammad Arshad Raza, Noreen Sajjad, Muhammad Abdullah, Naeem Akhtar , Asad Syed, Abdallah M. Elgorban, Salim S. Al-Rejaie & Zahid Shafiq	Scientific Reports	Published	12:6575	2022	4.3
77.	Improved magnetic and electrical properties of	U. Ahmad, M. Afzia, F. Shah, B. Ismail, A. Rahim , R. A. Khan	Materials Science in	Published	148:1086–30	2022	3.9

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	transition metal doped nickel spinel ferrite nanoparticles for prospective applications		Semiconductor Processing				
78.	Mixed superalkalis are a better choice than pure superalkalis for B12N12 nanocages to design high-performance nonlinear optical materials	Rehana Bano, Khurshid Ayub, Tariq Mahmood, Muhammad Arshad, Ahsan Sharif, Sobia Tabassum and Mazhar Gilani,	Dalton Transactions	Published	54:8437-8453	2022	4.5
79.	Assessment of alkali and alkaline earth metals doped cubanes as high-performance nonlinear optical materials by first-principles study	Javaria Naeem, Rehana Bano, Khurshid Ayub, Tariq Mahmood, Sobia Tabassum , Anam Arooj, Mazhar Amjad Gilani	Journal of Science: Advanced Materials and Devices	Published	7:100457	2022	5.4
80.	Shedding light on the second order nonlinear optical responses of commercially available acidic azo dyes for laser applications	Muhammad Fahid Asif, RehanaBano, Robina Farooq, Shabbir Muhammad, Tariq Mahmood, Khurshid Ayub, SobiaTabassum , Mazhar Amjad Gilani	Dyes and Pigments	Published	202:110284	2022	5.1
81.	Potential sensing of toxic chemical warfare agents (CWAs) by twisted nanographenes: A first principle approach	Naila Sattar, Hasnain Sajid, Sobia Tabassum , Khurshid Ayub, Tariq Mahmood, Mazhar Amjad Gilani	Science of The Total Environment	Published	824:153858	2022	10.7
82.	In situ and operando electrochemistry of redox enzymes	Graziela C. Sedenho ¹ , Ayaz Hassan , João C. P. de Souza, and Frank N. Crespilho	Current opinion in Electrochemistry	Published	34:101015	2022	7.2
83.	Fabrication of antimicrobial electrospun mats using polyvinyl alcohol–zinc oxide blends	Henry Chinedu Obasi, Kashif Ijaz, Hafsah Akhtar, Asif Ali, Hamad Khalid, Ather F. Khan, Aqif A. Chaudhry	Polymer Bulletin	Published	https://doi.org/10.1007/s00289-022-04164-8	2022	2.8
84.	Hydroxyapatite-Integrated, Heparin- and Glycerol-Functionalized Chitosan-Based Injectable Hydrogels with Improved Mechanical and Proangiogenic Performance	Dr. Yar and coworkers	International Journal of Molecular Sciences	Published	23:5370	2022	6.2
85.	Evaluation of angiogenic potential of heparin and thyroxine releasing wound dressings	Waliya Zubairi, Mubashra Zehra, Azra Mehmood, Farasat Iqbal, Rida Badar, Anwarul Hasan, Muhammad Yar	International Journal of Polymeric Materials and	Published	1164-1175	2022	2.6

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86.	Characterization of various acrylate based artificial teeth for denture fabrication	N. Muhammad, Z. Sarfraz, M. S. Zafar, S. Liaqat, A. Rahim , P. Ahmad, A. Alsubaie, A. S. A. Almalki, M. U. Khandaker,	Journal of Materials Science: Materials in Medicine	Published	33:17	2022	3.8
87.	Non-enzymatic colorimetric sensing of nitrite in fortified meat using functionalized drug mediated manganese dioxide,	U. Nishan, H. U. Khan, A. Rahim , M. Asad, M. Qayum, N. Khan, M. Shah, N. Muhammad,	Materials Chemistry and Physics	Published	278:1257-29	2022	4.0
88.	Non-enzymatic electrochemical dopamine sensing probe based on hexagonal shape zinc-doped cobalt oxide (Zn-Co ₂ O ₄) nanostructure,	M. I. Khan, N. Muhammad , M. Tariq, U. Nishan, A. Razaq, T. A. Saleh, M. A. Haija, I. Ismail, A. Rahim,	Mikrochimica Acta	Published	189:37	2022	6.2
89.	Synthesis and wound healing performance of new water-soluble chitosan derivatives	Lubna Shahzadi, Arshad Jamal, Pegah Hajivand, Nasir Mahmood, Aqif Anwar Chaudhry , Ihtesham ur Rehman , Muhammad Yar	Journal of Applied Polymer science	Published	139:10	2022	3.1
90.	Functionalized thiazolidone-decorated lanthanum-doped copper oxide: novel heterocyclic sea sponge morphology for the efficient detection of dopamine	Amara, U.; Mahmood, K.; Hassan, M.; Hanif, M.; Khalid, M.; Usman, M.; Shafiq, Z.; Latif, U. ; Ahmed, M. M.; Hayat, A	RSC Advances	Published	12:14439-14449	2022	4.0
91.	SiO ₂ /Al ₂ O ₃ /C grafted 3-n propylpyridinium silsesquioxane chloride-based non-enzymatic electrochemical sensor for determination of carcinogenic nitrite in food products	Alsaiani, M.; Saleem, A.; Alsaiani, R.; Muhammad, N.; Latif, U. ; Tariq, M.; Almohana, A.; Rahim, A	Food Chemistry	Published	369:1309-70	2022	7.5
92.	Design and development of thyroxine/heparin releasing affordable cotton dressings to treat chronic wounds	Tayyba Sher Waris, Syed Tahir Abbas Shah, Azra Mehmood, Zohaib Iqbal, Mubashra Zehra, Aqif Anwar Chaudhry , Ihtesham Ur Rehman , Muhammad Yar	Journal of Tissue Engineering and Regenerative Medicine	Published	16:460-471	2022	3.9
93.	ZnO nanoparticles and β -cyclodextrin containing molecularly imprinted polymers for gravimetric sensing of very-low-density lipoprotein	Nasrullah, A.; Roshan, S.; Latif, U. ; Mujahid, A.; Mustafa, G.; Bajwa, S. Z.; Afzal, A.	Measurement Science and Technology	Published	33:45106	2022	2.0

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94.	Ceramic Stereolithography of Bioactive Glasses: Influence of Resin Composition on Curing Behavior and Green Body Properties	Qirong Chen, Franziska Schmidt, Oliver Görke, Anila Asif, Joachim Weinhold, Erfan Aghaei, Ihtesham ur Rehman , Aleksander Gurlo, Asma Tufail Shah	Biomedicine	published	10:395	2022	4.7
95.	Fe-POM/ Attapulгите Composite Materials: Efficient catalysts for plastic pyrolysis	Saira Attique, Madeeha Batool, Oliver Goerke, Ghayoor Abbas, Faraz Ahmad Saeed, Muhammad Imran Din, Irfan Jalees, Irfan Ahmad, Duncan H. Gregory, Asma Tufail Shah	Waste Management and Research	published	40:1433-1439	2022	1.11
96.	In-depth drug delivery to tumoral soft tissues via pH responsive hydrogel	Shumaila Sarwar, Sajid Bashir, Mulazim Hussain Asim, Fakhera Ikram , Arsalan Ahmed, Ume Omema, Anila Asif , Aqif Anwar Chaudhry , Yong Hu, Cem Bulent Ustundag	RSC Advances	published	12:31402-31411	2022	4.0
97.	“First principles calculations to investigate electronic, magnetic anisotropy energy and optical properties of MnCrP half-Heusler alloy”	[Anila Asif] COMSATS Univ Islamabad,	Journal of Materials Research and Technology	published	20:4220-4230	September–October 2022	6.2
98.	Fluorescent mesoporous silica nanomaterials for targeted tumor chemotherapy	Guochao Xu, Shuang Song, Muhammad Azhar Hayat Nawaz , Junying Lv, Cong Yu, Xing Jing	Materials Letters	Available Online	Volume 304, 1 December 2021, 130520	2021	3.5
99.	Developing sulfur-doped titanium oxide nanoparticles loaded chitosan/cellulose-based proangiogenic dressings for chronic ulcer and burn wounds healing	Abdur R. Aleem, Lubna Shahzadi, Muhammad Nasir, Pegah Hajivand, Farah Alvi, Amna Akhtar, Mubashra Zehra, Azra Mehmood, Muhammad Yar	Journal of Biomedical Materials Research Part B: Applied Biomaterials	Published	doi.org/10.1002/jbm.b.34981	29 November 2021	3.368
100.	Biocompatible chicken bone extracted dahlite/hydroxyapatite/collagen filler based polysulfone membrane for dialysis	Irfan at al.,	<i>The international Journal of Artificial Organ</i>	Published	45(1):14-26	2021	1.631
101.	Exploration of electronic properties, radical scavenging activity and QSAR of oxadiazole derivatives by molecular docking and first-Principles	Ahmad Irfan, Muhammad Imran, Abdullah G. Al-Sehemi, Asma Tufail Shah , Mohamed Hussien, Muhammad Waseem Mumtaz,	<i>Journal of Saudi Chemical Society</i>	Published	28, 12, 7416	December 2021	3.92
102.	A Theoretical Perspective on Strategies for Modeling High Performance Nonlinear Optical Materials	Rehana Bano, Maria Asghar, Khurshid Ayub, Tariq Mahmood, Javed Iqbal, Sobia Tabassum,	<i>Frontiers in Materials</i>	Published	8:532	2021	3.5

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103.	Exploring the Interaction of Ionic Liquids with Al ₁₂ N ₁₂ and Al ₁₂ P ₁₂ Nanocages for Better Electrode Electrolyte Materials in Super Capacitors	Palwasha Khan, Muhammad Jamshaid Sobia Tabassum*, Shagufta Perveen, Tariq Mahmood, Khurshid Ayub, Jucai Yangf Mazhar Amjad Gilani	<i>Journal of Molecular Liquids</i>	Published	344 :117828	2021	6.1
104.	Developing Wound Dressings Using 2-deoxy-D-Ribose to Induce Angiogenesis as a Backdoor Route for Stimulating the Production of Vascular Endothelial Growth Factor	Serkan Dikici ^{1,2} , Muhammad Yar ³ , Anthony J Bullock ² , Joanna Shepherd ⁴ , Sabiniano Roman ² , Sheila MacNeil ²	International Journal of Molecular Sciences	Published	23;22(21):1437	23 rd Oct, 2021	5.923
105.	Investigating the Bulk Level Optoelectronic Characteristics of 10-(1,3-Dithiol-2-Ylidene)Anthracene Based Light Harvesters,	Ahmad Irfan, Muhammad Imran, Renjith Thomas, Muhammad Waseem Mumtaz, Asma Tufail Shah, Muhammad Abdul Qayyum, Mohamed Hussiena, Sami Ullaha, Mohammed A. Assiria, and Abdullah G. Al-Sehemia,	<i>Polycyclic Aromatic Compounds</i>	Published	https://doi.org/10.1080/10406638.2021.1988995	28 Sep 2021	
106.	Synthesis and characterization of bioactive glass fiber-based dental restorative composite	Mariam Syed, Nida Bano, Sarah Ghafoor, Hina Khalid, Anila Asif, Muhammad Kaleem, Abdul Samad Khan,	Ceramic International	Available Online	46 (13), 21623-21631	Sep 2020	4.527
107.	Fabrication and performance evaluation of polymeric membrane using blood compatible hydroxyapatite for artificial kidney application.	Zaman, SU, Saif-ur-Rehman, Zaman, MKU, Rafiq, S, Arshad, A, Khurram, MS, Faiza et al.	Artif Organs.	Available Online	00: 1–14 https://doi.org/10.1111/1/aor.14020	2021	3.05
108.	Evaluation of Molecular mechanisms of heparin - induced angiogenesis, in human umbilical vein endothelial cells	Fazil, S., Shah, H., Noreen, M., Yar, M., Farooq Khan, A., Zaman Safi, S., Sohail Afzal, M.	Journal of King Saud University – Science	Available Online		August 2021	
109.	Copper Oxide Integrated Perylene Diimide Self-assembled Graphitic Pencil For Robust Non-Enzymatic Dopamine Detection	U Amara, S Riaz, K Mahmood, M Nasir, M Khalid, A Hayat, M yaqub, M N Khan, M H Nawaz	RSC Advances	Published	2021,11, 25084-25095	July 2021	3.36
110.	Vitro Studies of Selenium and Strontium Co-Substituted Hydroxyapatite	Muhammad Maqbool, Qaisar Nawaz, Atiq Ur Rehman, Mark Cresswell, Phil Jackson, Katrin Hurler, Rainer Detsch, Wolfgang H. Goldmann, Asma Tufail Shah and Aldo R Boccaccini	International Journal of Molecular Sciences	Published	22(8), 4246	April 2021	4.556
111.	A New Strategy of bi-Alkali Metal Doping to Design Boron Phosphide Nanocages of High Nonlinear Optical Response with Better Thermodynamic Stability,	Rimsha Baloach, Khurshid Ayub, Tariq Mahmood, Anila Asif, Sobia Tabassum, Mazhar Amjad Gilani,	Journal of Inorganic and Organometallic Polymers and Material	Available Online	https://doi.org/10.1007/s10904-021-02000-6	April 2021	1.94
112.	Synthesis, characterization, hydrolytic degradation, mathematical modeling and antibacterial activity of poly[bis((methoxyethoxy)ethoxy)phosphazene] (MEEP)	Muhammad Amin Abid, Shabbir Hussain, Azeem Intisar, Muhammad Rizwan, Quratul Ain, Zeeshan Mutahir, Muhammad Yar, Aqsa Aamir, Ahmad Kaleem Qureshi & Muhammad Jamil	Polymer Bulletin	Available Online	https://doi.org/10.1007/s00289-021-03625-w	March 2021	1.8
113.	Coral Shaped Tin Oxide Incorporated Graphitic Carbon Nitride Nanosheets as Peroxidase Mimic for Sensitive	Aftab Ahmed, Peter John, Akhter Hayat, Mian Hasnain Nawaz, Muhammad Nasir	Journal of Nanostructure in Chemistry	Available Online	https://doi.org/10.1007/s	Feb 2021	4.01

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114.	Silk fibroin/collagen 3D scaffolds loaded with TiO ₂ nanoparticles for skin tissue regeneration.	Hamad Khalid, Hafsah Iqbal, Rabia Zeeshan, Muhammad Nasir, Faiza Sharif, Muhammad Akram, Masooma Irfan, Farooq Azam Khan, Aqif Anwar Chaudhry, Ather Farooq Khan	Polymer Bulletin.	Available Online	https://doi.org/10.1007/s00289-020-03475-y	Nov 2020	1.85
115.	Metal Ion Detection by Carbon Dots--- A review	Madeeha Batool, Hafiz Muhammad Junaid, Sobia Tabassum, Farah Kanwal, Kamran Abid, Zara Fatima & Asma Tufail Shah	Critical Reviews in Analytical Chemistry	Available Online	https://doi.org/10.1080/10408347.2020.1824117	Sep 2020	4.568
116.	Exploration of carbonic anhydrase inhibition of bioactive metabolites from <i>Pistacia integerrima</i> by molecular docking and first-principles investigations	Ahmad Irfan, Muhammad Imran, Sajjad H. Sumrra, Muhammad Naeem Qaisar, Noreen Khalid, Muhammad Asim Raza Basra, Asma Tufail Shah, Mohamed Hussien, Mohammed A. Assiri, Abdullah G. Al-Sehemi,	Journal of Saudi Chemical Society	Published	25:101324	2021	3.92
117.	Cancer risk assessment and modeling of groundwater, contamination near industrial estate, Lahore, Pakistan.	Muhammad Irfan Jalees, Muhammad Umar Farooq, Asma Tufail Shah,	Journal of Water, Sanitation and Hygiene for Development,	Published	11, 314-326,	2021	1.25
118.	SiO ₂ /Al ₂ O ₃ /C grafted 3-n propylpyridinium silsesquioxane chloride-based non-enzymatic electrochemical sensor for determination of carcinogenic nitrite in food products.	M. Alsaiani, A. Saleem, R. Alsaiani, N. Muhammad, U. Latif, M. Tariq, A. Almohana, A. Rahim	Journal of Food Chemistry	Published	369:130970	Feb 2022	7.51
119.	Antimicrobial, antioxidant and cytotoxic evaluation of various extracts of <i>ifloga spicata</i> (forssk.) Sch. Bip: extracts of <i>ifloga spicata</i> (forssk.) Sch. Bip	khan, ym, s. Jan, f. Ullah, ak awan, N. Muhammad, and syed rizvi	Latin american applied research- an international journal	Published	51(4):277-283	2021	
120.	Effect of short time ball milling on physicochemical and adsorption performance of activated carbon prepared from mangosteen peel waste	Nasrullah, Asma, Amir Sada Khan, A. H. Bhat, Israf Ud Din, Abrar Inayat, Nawshad Muhammad, Esraa M. Bakhsh, and Sher Bahadar Khan	<i>Renewable Energy</i> .	Published	168: 723-733	2021	
121.	Zinc containing calcium phosphates obtained via microwave irradiation of suspensions	Chaudhry, A.A., H. Khalid, M. Zahid, K. Ijaz, H. Akhtar, B. Younas, F. Manzoor, F. Iqbal, I. Rehman	Materials Chemistry and Physics	Published		2021	4.094
122.	Face specific doping of Janus all-cis-1,2,3,4,5,6-hexafluorocyclohexane with superalkalis and alkaline earth metals leads to enhanced static and dynamic NLO responses	Rehana Bano, Muhammad Arshad, Tariq Mahmood, Khurshid Ayub, Ahsan Sharif, Shagufta Perveen, Sobia Tabassum, Jucai Yang, Mazhar Amjad Gilani,	Journal of Physics and Chemistry of Solids	Published	110361	2021	3.94
123.	Asporychalin, a bioactive cytochalasin with an unprecedented 6/6/11 skeleton from the Red Sea sediment <i>Aspergillus oryzae</i> ,	Raha Orfali, Shagufta Perveen, Muhammad F.KhanbAtallah F.Ahmed, Sobia Tabassum, Paolo Luciano, Giuseppina Chianese, OrazioT agliatalata-Scafati,	Phytochemistry,	Published	192:112952	2021	3.9

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124.	Turning diamondoids into nonlinear optical materials by alkali metal Substitution: A DFT investigation,	Palwasha Khan, Tariq Mahmood, Khurshid Ayub, Sobia Tabassum, Mazhar Amjad Gilani.	Optics & Laser Technology,	Published	142,107231	2021	4.1
125.	Antiproliferative Illudalane Sesquiterpenes from the Marine Sediment Ascomycete <i>Aspergillus Oryzae</i> ."	Orfali, Raha, Shagufta Perveen, Muhammad Farooq Khan, Atallah F Ahmed, Mohammad A Wadaan, Areej Mohammad Al-Taweel, Ali S Alqahtani, Fahd A Nasr, Sobia Tabassum and Paolo Luciano.	Marine Drugs	Published	19, no. 6:333	2021	4.76
126.	Phytochemical Analysis of <i>Anvillea Garcinii</i> Leaves: Identification of Garcinamines F–H and Their Antiproliferative Activities, Aati,	Hanan Y, Shagufta Perveen, Raha Orfali, Areej M Al-Taweel, Jiangnan Peng, Sobia Tabassum, Maged S Abdel-Kader, Hasan Soliman Yusufoglu and Orazio Tagliatalata-Scafati.	Plants	Published	10, no. 6: 1130.	2021	3.9
127.	Analyses on mechanical and physical performances of nano-apatite grafted glass fibers based dental composites	Usama Siddiqui, Hina Khalid, Sarah Ghafoor, Anila Asif, Abdul Samad Khan	Materials Chemistry and Physics	Published	263, 12418	2021	4.094
128.	First example of lanthanum as dopant on Al ₁₂ N ₁₂ and Al ₁₂ P ₁₂ nanocages for improved electronic and nonlinear optical properties with high stability	Faiqa Khaliq Khurshid Ayub, Tariq Mahmood, Shabbir Muhammad, Sobia Tabassum*, Mazhar Amjad Gilani	Materials Science in Semiconductor Processing	Published	135 :106122	2021	3.97
129.	Exploring the NH ₃ gas sensing efficiency of polyvinylpyrrolidone based tungsten trioxide (PVP/WO ₃) Nanocomposites: A recent progression in the toxic gas sensing materials	H. Khan, M. Tariq, M. Shah, M. Iqbal, I. Ullah, M. H. Mehmood, S. U. Rahman, A. Rahim	Materials Science and Engineering: B	Published	273, 115422	Nov 2021	4.052
130.	Improving the <i>in vitro</i> Degradation, Mechanical and Biological Properties of AZ91-3Ca Mg Alloy via Hydrothermal Calcium Phosphate Coatings	Asif Ali, Fakhra Ikram, Farasat Iqbal, Maruf Yinka Kolawole, Hira Fatima, Azra Mehmood Aqif Anwar Chaudhry, Saadat Anwar Siddiqi and Ihtesham Ur Rehman,	Frontiers in Materials	Published	8(388)	Oct 2021	3.515
131.	Preventing SO _x Emissions through Process Control: Interdigital Capacitors for On-Site Monitoring of Thiophene-Based Environmental Pollutants in Oil Refineries.	Irshad, M.; Afzal, A.; Mujahid, A.; Bajwa, S. Z.; Hussain, T.; Zaman, W.-U.; Latif, U.; Din, M. I.; Ali, F.; Iqbal, N	J. Electrochem. Soc.	Published	168:097505	Sep 2021	4.316
132.	Association of Blood Groups with Hepatitis C Viremia	Mahnoor Mujahid, Mamoona Noreen, Muhammad Imran, Sher Zaman Safi, Sana Gul, Afrah Fahad Alkhuriji, Suliman Yousef Aloma, Hanan Mualla Alharbi	Saudi Journal of Biological Sciences	Published	5359-5363	September 2021	4
133.	Evaluation of molecular mechanisms of heparin-induced angiogenesis, in human umbilical vein endothelial cells	Sadia Fazil, Humaira Shah, Mamoona Noreen, Muhammad Yar, Ather Farooq Khan, Sher Zaman Safi	Journal of King Saud University - Science	Published	Volume 33, Issue 6	September 2021	4
134.	Cross talk between complete blood count and progression of type II diabetes mellitus	Mehak Narjis, Mamoona Noreen, Sher Zaman Safi, Naureen Ehsan Ilahi, Suliman Yousef Alomar, Afrah Fahad Alkhuriji	Journal of King Saud University - Science	Published	Volume 33, Issue 6, 101492	Sep 2021	4
135.	Development of Iron Sequester Antioxidant Quercetin@ZnO Nanoparticles with Photoprotective	Muhammad Farrukh Nisar, Maryam Yousaf, Muhammad Saleem, Hamad Khalid, Kamal Niaz, Mustansara Yaqub, Muhammad Yasir Waqas,	Oxidative Medicine and Cellular Longevity	Published	2021		5.076

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136.	Covid-19: Diagnosis, summary of essays and evolving approaches	Muhammad Usman Munir, Sajal Salman, Arsalan Ahmed, Waqar Iqbal, Syed Nasir Abbas Bukhari, Naveed Ahmad, Muhammad Ikram Ullah, Muhammad Masood Ahmad, Tilal Elsaman, Muhammad Ali Tahir	Pakistan Journal of Pharmaceutical Sciences	Published	2021	August 2021	0.52
137.	Bioinspired N-C coated ZnO based electrochemiluminescence sensor for dopamine screening from neuroblastoma patient	Aqsa Munawar, Farhan Zafar, Saadat Majeed, Masooma Irfan, Hidayat Ullah Khan, Ghazala Yasmin, Naeem Akhtar*	Journal of Electroanalytical Chemistry	Published	895, 115469	August 2021	4.46
138.	Facile synthesis, DNA binding, Urease inhibition, anti-oxidant, molecular docking and DFT studies of 3-(3-Bromo-phenyl)-1-(2-trifluoromethyl-phenyl)-propanone and 3-(3-Bromo-5-chloro-phenyl)-1-(2-trifluoromethyl-phenyl)-propanone	F Rasool, M Khalid, M Yar, K Ayub, M Tariq, A Hussain, M Lateef, et al	Journal of Molecular Liquids	Published	116302	Aug 2021	5.065
139.	Morphology controlled NiO nanostructures as fluorescent quenchers for highly sensitive aptamer-based FRET detection of ochratoxin A	Aqsa Khana, Muhammad Azhar Hayat Nawaz, Naeem Akhtar, Rizwan Raza, Cong Yu, Silvana Andreescu, Akhtar Hayat	Applied Surface Science	Published	566, 150647	July 2021	6.7
140.	Unprecedented saturation limit achieved by inorganic polycationic cluster (Sb7Te8) 5+ for light noble gases (He & Ne)	M Munir, M Yar, F Ahsan, K Ayub	Journal of Molecular Graphics and Modelling	Published	106: 107910	July 2021	2.079
141.	Perylene diimide/MXene-modified graphitic pencil electrode-based electrochemical sensor for dopamine detection	Umay Amara, Muhammad Taqi Mehran, Bilal Sarfaraz, Khalid Mahmood, Akhtar Hayat, Muhammad Nasir, Sara Riaz, Mian Hasnain Nawaz	Microchimica Acta	Published	188, 1-13	July 2021	6.23
142.	Low Temperature flow-synthesis-assisted urethane-grafted zinc oxide-based dental composite: physical, mechanical, and antibacterial responses	Bhukahri, J. H., Khan, A. S., Ijaz, K., Zahid, S., Chaudhry, A. A., Kaleem, M	Journal of Materials Science: Materials in Medicine	Published	32, 87,	July, 2021	2.467
143.	Imprinted polymer and Cu2O-graphene oxide nanocomposite for the detection of disease biomarkers	Nasrullah, A.; Afzal, A.; Mujahid, A.; Lieberzeit, P.; Bajwa, S. Z.; Mustafa, G.; Latif, U.	Measurement Science and Technology	Published	32 (10): 105111	July 2021	2.046
144.	Influence of bi-Alkali Metals Doping over Al12N12 Nanocage on Stability and Optoelectronic Properties: A DFT Investigation,	Faiqa Khaliq, Tariq Mahmood, Khurshid Ayub, Sobia Tabassum, Mazhar Amjad Gilani.	Radiation Physics and Chemistry	Published	184: 109457	July 2021	2.2
145.	Protective Role of TIRAP Functional Variant against Development of Coronary Artery Disease	M Noreen, M Imran, Sher Zaman Safi, MA Bashir, S Gul, AF Alkhuriji	Saudi Journal of Biological Sciences	Published	3548-3552	June 2021	4
146.	An insect acetylcholinesterase biosensor utilizing WO3/g-C3N4 nanocomposite modified pencil graphite electrode for phosmet detection in stored grains	Sehrish Bilal, M Mudassir Hassan, Muhammad Fayyaz ur Rehman, Muhammad Nasir, Amtul Jamil Sami, Akhtar Hayat	Food Chemistry	Published	346:128894	June 2021	5.399

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147.	An electrochemical sensing platform of cobalt oxide@ SiO ₂ /C mesoporous composite for the selective determination of hydrazine in environmental samples	Mabkhoot Alsaieri, Abdur Rehman Younus, Abdur Rahim, Raiedhah Alsaieri, Nawshad Muhammad	Microchemical Journal	Published	165:106171	June 2021	3.594
148.	Self-assembled perylene-tetracarboxylic acid/multi-walled carbon nanotube adducts based modification of screen-printed interface for efficient enzyme immobilization towards glucose biosensing	Umay Amara, Khalid Mahmood, Sara Riaz, Muhammad Nasir, Akhtar Hayat, Muhammad Hanif, Muhammad Yaqub, Dongxue Han, Li Niu, Mian Hasnain Nawaz	Microchemical Journal	Published	165: 106109	June 2021	3.594
149.	Sustainable mixed matrix membranes containing porphyrin and polysulfone polymer for acid gas separation	Sidra Saqib, Sikandar Rafique, Nawshad Muhammad, Asim Laeeq Khan, Mian Hasnain Nawaz	Journal of Hazardous Materials	Published	411: 125155	June 2021	9.04
150.	Physical, mechanical, and in vitro biological analysis of bioactive fibers-based dental composite	Mehvish Saleem, Saba Zahid, Sarah Ghafoor, Hina Khalid, Haffsah Iqbal, Rabia Zeeshan, Sarfraz Ahmad, Anila Asif, Abdul Samad Khan	Journal of Applied Polymer Science	Published	Volume 138, Issue 18	May 10, 2021	3.125
151.	The role of band structure in Co- and Fe-co-doped Ba _{0.5} Sr _{0.5} Zr _{0.1} Y _{0.1} O _{3-δ} perovskite semiconductor to design an electrochemical aptasensing platform: application in label-free detection of ochratoxin A using voltammetry	Sajid Rauf, Maryam Awan, Naveed Rauf, Zuhra Tayyab, Nasir Ali, Bin Zhu, Akhtar Hayat, Chang Ping Yang	Microchimica Acta	Published	188(5):1-12	May 2021	5.479
152.	Fabrication of electro-active nano-trans surfaces to design label free electrochemical aptasensor for ochratoxin A detection	Maham Liaqat, Sara Riaz, Mian Hasnain Nawaz, Mihaela Badea, Akhtar Hayat, Jean Louis Marty	Electrochimica Acta	Published	379:138172	May 2021	6.215
153.	Exploring Li ₄ N and Li ₄ O Superalkalis as Efficient Dopants for the Al ₁₂ N ₁₂ Nanocage to Design High Performance Nonlinear Optical Materials with High Thermodynamic Stability.	Faiqa Khaliq; Tariq Mahmood, Khurshid Ayub, Sobia Tabassum*, Mazhar Amjad Gilani*	Polyhedron	Published	200: 115145	May 2021	2
154.	Non-enzymatic colorimetric biosensor for hydrogen peroxide using lignin-based silver nanoparticles tuned with ionic liquid as a peroxidase mimic	Umar Nishan, Aatif Niaz, Nawshad Muhammad, Muhammad Asad, Naeem Khan, Mansoor Khan, Shaikat Shujah, Abdur Rahim	Arabian Journal of Chemistry	Published	14(6):103164	April 2021	4.762
155.	Physiological and pharmacological stimulation for in vitro maturation of substrate metabolism in human induced pluripotent stem cell-derived cardiomyocytes.	Colleen A. Lopez, Heba Hussain A. A. Al-Siddiqi, Ujang Purnama, Sonia Iftexhar, Arne A. N. Bruyneel, Matthew Kerr, Rabia Nazir, Maria da Luz Sousa Fialho, Sophia Malandraki-Miller, Rita Alonaizan, Fatemeh Kermani, Lisa C Heather, Jan Czernuszka, Carolyn A Carr	Nature: Scientific reports	Published	11:7802	April 2021	6.470
156.	The Structural, Physical, and In Vitro Biological Performance of Freshly Mixed and Set Endodontic Sealers	Muhammad Talal Khan, Faisal Moeen, Sher Zaman Safi, Farrukh Said, Afsheen Mansoor, Abdul Khan	European Endodontic Journal	Published	6(1):98-109	March 2021	ISI indexed
157.	Adsorption and sensor applications of C ₂ N surface for G-series and mustard series chemical warfare agents	M Yar, F Ahsan, A Gulzar, K Ayub	Microporous and Mesoporous Materials	Published	317: 110984	April 2021	4.551
158.	Dopamine/mucin-1 functionalized electro-active carbon nanotubes as a probe for direct competitive electrochemical immunosensing of breast cancer biomarker	Sidra Rashid, Mian Hasnain Nawaz, Ihtesham ur Rehman, Akhtar Hayat, Jean Louis Marty	Sensors and Actuators B: Chemical	Published	330:129351	March 2021	7.1

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159.	Electronic structure of polypyrrole composited with a low percentage of graphene nanofiller	Z Chaughtai, MA Hashmi, M Yar, K Ayub	Physical Chemistry Chemical Physics	Published	23(14): 8557-8570	March 2021	3.43
160.	Highly CO ₂ selective mixed matrix membranes of polysulfone based on hetaryl modified SBA-16 particles.	Farah Suhail, Madeeha Batool, Asma Tufail Shah, Sobia Tabassum, Asim Laeeq Khan, Mazhar Amjad Gilani.	separation and purification technology	Published	258 Part 1: 117999	March 2021	5.3
161.	Fluorescence quenching mediated detection of hydrogen peroxide using tungsten incorporated graphitic carbon nitride nanoflakes	Aftab Ahmed, Akhtar Hayat, Mian Hasnain Nawaz, Aqif Anwar Chaudhry, Peter John, Muhammad Nasir	RSC Advances	Published	11, 7479-7491	Feb 2021	2.936
162.	Hippophae rhamnoides mediate gene expression profiles against keratinocytes infection of Staphylococcus aureus	Humaira Shah, Hafiz Abdullah Shakir, Sher Zaman Safi & Abid Ali	Molecular Biology Reports	Published	1409-1422	Feb 2021	2.3
163.	Probing 4-(Diethylamino)-Salicylaldehyde-Based Thiosemicarbazones as Multi-Target Directed Ligands against Cholinesterases, Carbonic Anhydrases and α -Glycosidase Enzymes	Sadaf Hashmi, Samra Khan, Zahid Shafiq, Muhamamd Ishaq, Nastaran Sadeghian, Halide Sedef Karaman, Naeem Akhtar, Muhamamd Islam, Asnuzilawati Asari, Habsah Mohamad gIlhami Gulçin,	Bioorganic Chemistry	Published	107: 104554	Feb 2021	4.8
164.	Neurodegenerative diseases and effective drug delivery: A review of challenges and novel therapeutics	Amna Akhtar, Anisa Andleeb, Tayyba Sher Waris, Masoomeh Bazzar, Ali-Reza Moradi Nasir Raza Awan Muhammad Yar	Journal of Controlled Release	Published	330: 1152-1167	Feb 2021	7.9
165.	Tetraphenylethene probe based fluorescent silica nanoparticles for the selective detection of nitroaromatic explosives	Muhammad Azhar Hayat Nawaz, Lianjie Meng, Huipeng Zhou, Jia Ren, Sohail Anjum Shahzad, Akhtar Hayat and Cong Yu	Analytical Methods	Published	13, 825-831	January 2021	2.8
166.	Tailoring the surface coordination of nitrogen doped nano titania to design-A specific fluorescence signal amplification probe for ochratoxin A detection	Zoya Zaman, Sidra Rashid, Muhammad Nasir, Maham Liaqat, Asrar Ahmed, Shakir Ahmad Shahid, Akhtar Hayat	Materials Chemistry and Physics	Published	258: 123843	Jan 2021	3.4
167.	Ionic liquid tuned titanium dioxide nanostructures as an efficient colorimetric sensing platform for dopamine detection	Umar Nishan, Ujala Sabba, Abdur Rahim, Muhammad Asad, Mohibullah Shah, Anwar Iqbal, Jibran Iqbal, Nawshad Muhammad	Materials Chemistry and Physics	Published	262:124289	Jan 2021	3.4
168.	A new synthesis of Fe _{1-x} -MnxO ₃ /PVA nanocomposites for the removal of heavy metals from water	Zahid Wahab, Mohsan Nawaz, M.I. Khan, Ali Bahader, Abdul Niaz, Abdur Rahim, Muhammad Ismail, Ata Ur Rehman, Rongchao Jin	Desalination and Water Treatment	Published	209:155-169	Jan 2021	1.234
169.	Single-step synthesis of magnesium-iron borates composite; an efficient electrocatalyst for dopamine detection	Pervaiz Ahmad, Muhammad Inam Khan, Mahmood Hassan Akhtar, Ghulam Muhammad, Jibran Iqbal, Abdur Rahim, Nawshad Muhammad	Microchemical Journal	Published	160 (2021) 105679	Jan 2021	3.6
170.	Synthesis and Characterization of Hexadecyltrimethyl Ammonium Encapsulated Silicovanadate and its antibacterial activity against Uropathogenic Escherichia coli	Fatima Khalil, Mustansara Yaqub, Sana Ahmad, Madeeha Batool, Sobia Tabassum, Saadat Anwar Siddiqi & Asma Tufail Shah	Journal of the Iranian Chemical Society	Published	18:1035-1041	Jan 2021	1.5

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171.	Surface modified polymeric nanoparticles for drug delivery to cancer cells	Ahmed A, Sarwar S, Hu Y, Munir MU, Nisar MF, Ikram F, Asif A, Rahman SU, Chaudhry AA, Rehman IU	Expert Opinion on Drug Delivery	Published	18(1)	2021	4.838
172.	Influence of calcined snail shell particulates on mechanical properties of recycled aluminium alloy for automotive application	MY Kolawole, JO Aweda, S Abdulkareem, SA Bello, Asif Ali, Farasat Iqbal	Acta Periodica Technologica	Published	51:163-180	2020	0.2
173.	A Review on CO ₂ Capture via Nitrogen-Doped Porous Polymers and Catalytic Conversion as a Feedstock for Fuels	Mukhtar, Ahmad, Sidra Saqib, Nurhayati Binti Mellon, Sikander Rafiq, Muhammad Babar, Sami Ullah, Nawshad Muhammad et al	Journal of Cleaner Production	Published	277: 123999	Dec 2020	7.3
174.	Synthesis of enriched boron nitride nanocrystals: A potential element for biomedical applications	Ahmad, Pervaiz, Mayeen Uddin Khandaker, Nawshad Muhammad, Fida Rehman, Zahoor Ullah, Ghulamullah Khan, M. Imtiaz Khan et al.	Applied Radiation and Isotopes	Published	166:109404	Dec 2020	1.4
175.	Dual role of Magnesium as a catalyst and precursor with enriched boron in the synthesis of Magnesium diboride nanoparticles	Ahmad, Pervaiz, Mayeen Uddin Khandaker, Saliha Jamil, Fida Rehman, Nawshad Muhammad, Zahoor Ullah, M. Abdul Rauf Khan et al.	Ceramics International	Published	46(17):26809-26812	Dec 2020	3.8
176.	Biomedical and photocatalytic applications of biosynthesized silver nanoparticles: Ecotoxicology study of brilliant green dye and its mechanistic degradation pathways.	Khan, Zia Ul Haq, Noor Samad Shah, Jibran Iqbal, Arif Ullah Khan, Muhammad Imran, Saad M. Alshehri, Nawshad Muhammad et al	Journal of Molecular Liquids	Published	319: 114114	Dec 2020	5.1
177.	Extraction of basil seed mucilage using ionic liquid and preparation of AuNps/mucilage nanocomposite for catalytic degradation of dye	Maqsood, Hassan, Maliha Uroos, Rabia Muazzam, Sadia Naz, and Nawshad Muhammad	International Journal of Biological Macromolecules	Published	164: 1847-1857	Dec 2020	5.0
178.	Colorimetric based sensing of dopamine using ionic liquid functionalized drug mediated silver nanostructures	Nishan, Umar, Rovida Gul, Nawshad Muhammad, Muhammad Asad, Abdur Rahim, Mohibullah Shah, Jibran Iqbal, Jalal Uddin, and Shaukat Shujah	Microchemical Journal	Published	159:105382	Dec 2020	3.5
179.	Akt Downregulates B-Cell Translocation Gene-2 Expression via Erk1/2 Inhibition for Proliferation of Cancer Cells	Hina Zubair, In Kyoung Lim, Sher Zaman Safi, Fozia Rehman, Muhammad Imran	Annals of Clinical & Laboratory Science	Published	50(6):711-716	Nov 2020	0.8
180.	Development of NSAID loaded nanocomposite scaffolds for skin tissue engineering applications	Mubashra Zehra, Azra Mehmood, Muhammad Yar, Lubna Shahzadi, S. Riazuddin	Journal of biomedical materials Research part B:	Published	108(8):3064-3075	Nov 2020	2.674

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			Applied Biomaterials				
181.	CNTs/ZnO and CNTs/ZnO/Ag multilayers spray coated on cellulose fiber for use as an efficient humidity sensor	Babar Kaleem, Muhammad T Ansar, Zaka Ullah, Syed K Abbas, Saira Riaz, Saadat A Siddiqi, Shahid Atiq	Ceramics International	Published	46(16):25593-25597	Nov 2020	3.83
182.	A sandwich electrochemical immunosensor based on antibody functionalized-silver nanoparticles (Ab-Ag NPs) for the detection of dengue biomarker protein NS1	Maryam Awan, Sajid Rauf, Azhar Abbas, Mian Hasnain Nawaz, Changping Yang, Shakir Ahmad Shahid, Naima Amin, Akhtar Hayat	Journal of Molecular Liquids	Published	317: 114014	Nov 2020	5.065
183.	Label free ultrasensitive detection of NS1 based on electrochemical aptasensor using polyethyleneimine aggregated AuNPs	Sidra Rashid, Mian Hasnain Nawaz, Jean Loius Marty, Akhtar Hayat	Microchemical Journal	Published	158: 105285	Nov 2020	3.5
184.	Effect of pyridinium based ionic liquid on the sensing property of NiO nanoparticle for the colorimetric detection of hydrogen peroxide	F. Zarif, S. Rauf, S. Khurshid, N. Muhammad, A. Hayat, A. Rahim, N. S. Shah, C. P. Yang	, Journal of Molecular structure	Published	1219:128620	Nov 2020	2.12
185.	Heparinized chitosan/hydroxyapatite scaffolds stimulate angiogenesis	Najera Romero, Valeria, Muhammad Yar, Rehman Ihtesham	Functional Composite Materials	Published	1:9	Oct 2020	1.960
186.	Co3O4 nanocubes decorated single-walled carbon nanotubes for efficient electrochemical non-enzymatic glucose sensing	Iqra Liaqat, Sara Riaz, Muhammad Aslam, Muhammad Nasir, Akhtar Hayat, Dongxue Han, Li NIU, Mian Hasnain Nawaz	SN Applied Sciences	Published	2:1756	Oct 2020	
187.	Heteroatom-Doped Carbon Nanoparticle as Electrochemical Sensors for Uric Acid	Yasir Abbas, Shafqat Ali, Majid Basharat, Wenqi Zou, Fan Yang, Wei Liu, Shuangkun Zhang, Zhanpeng Wu, Naeem Akhtar*, and Dezhen Wu*	ACS Applied Nanomaterials	Published	3 (11): 11383-11390	Oct 2020	Not Given
188.	Development of a fluorescence immunoassay based on X-Ti-Zn nanocomposite for the detection of MUC1 biomarker	Adeel Akram, Marjan Majdinasab, Ghazanfar Abbas, Rizwan Raza, Muhammad Ashfaq Ahmad, Akhtar Hayat	Sensors and Actuators B: Chemical	Published	320: 128413	Oct 2020	7.1
189.	Nano-zerovalent copper as a Fenton-like catalyst for the degradation of ciprofloxacin in aqueous solution	Shah, Noor S., Javed Ali Khan, Murtaza Sayed, Jibran Iqbal, Zia Ul Haq Khan, Nawshad Muhammad, Kyriaki Polychronopoulou et al	Journal of Water Process Engineering	Published	37: 101325	Oct 2020	3.5

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190.	Recent advances of multi-dimensional porphyrin-based functional materials in photodynamic therapy	J Tian, B Huang, Mian Hasnain Nawaz, W Zhang	Coordination Chemistry Reviews	Published	420:213410	Oct 2020	15.37
191.	Thyroxine impregnated chitosan-based dressings stimulate angiogenesis and support fast wounds healing in rats: Potential clinical candidates	Lubna Shahzadi, Mustehsan Bashir, Saimoon Tehseen, Mubashra Zehra, Azra Mehmood, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Muhammad Yar	International Journal of Biological Macromolecules	Published	160(1): 296-306	Oct 2020	4.784
192.	Recent Advances in Nanotechnology-Aided Materials in Combating Microbial Resistance and Functioning as Antibiotics Substitutes	Muhammad Usman Munir,* Arsalan Ahmed, Muhammad Usman, Sajal Salman.	International Journal of Nanomedicine	Published	15	Oct 2020	5.11
193.	Preparation and characterization of hydroxyapatite powder for biomedical applications from giant African land snail shell using a hydrothermal technique	KM Yinka, AJ Olayiwola, A Sulaiman, Asif Ali, Farasat Iqbal	Engineering and Applied Science Research	Published	47 (3): 275-286	Sep 2020	0.5
194.	Surface modified polymeric nanoparticles for drug delivery to cancer cells	Arsalan Ahmed, Shumaila Sarwar, Yong Hu, Muhammad Usman Munir, Muhammad Farrukh Nisar, Fakhra Ikram, Anila Asif, Saeed ur Rahman, Aqif Anwar Chaudhry & Ihtasham ur Rehman	Expert Opinion on Drug Delivery	Published	18 (1)	Sep 2020	4.8
195.	Preparation and characterization of hydroxyapatite powder prepared from giant African land snail shell by hydrothermal technique	Maruf Yinka Kolawole, Aweda Jacob Olayiwola, Abdulkareem Sulaiman, Asif Ali, and Farasat Iqbal	Engineering and Applied Science Research	Published	47, no. 3:275-286.	Sep 2020	0.13
196.	Resveratrol and celastrol loaded Collagen dental implants regulate periodontal ligament fibroblast growth and osteoclastogenesis of bone marrow macrophages	Wang R, Bao B, Bao C, Wang S, Rahman SU, Hou C, Elango J, Wu W	Chemistry & Biodiversity	Published	17(9):e2000295	Sep 2020	2.039
197.	Cytotoxic Effect of MTH1 Gene Silencing in Gemcitabine Resistant Breast Cancer Cells	Mahak Fatima, Memoona Syed, Rabia Zeeshan, Farah Rauf Shakoori, Naveed Shahzad, Moazzam Ali and Zeeshan Mutahir	Pakistan Journal of Zoology	Published	19(6) 2145-2151	Sep 2020	0.75
198.	2-deoxy-D-ribose (2dDR) upregulates vascular endothelial growth factor (VEGF) and stimulates angiogenesis	Serkan Dikici, Anthony J.Bullock, Muhammad Yar, Frederik Claeysens, Sheila MacNeil	Microvascular Research	Published	131, 104035	Sep 2020	2.675

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199.	Effect of protein and oil volume concentrations on emulsifying properties of acorn protein isolate	Abdul Aziz, Nasir Mehmood Khan, Farman Ali, Zia Ullah Khan, Shujaat Ahmad, Abdul Khaliq Jan.Noor Rehman, Nawshad Muhammad	Food chemistry	Published	324:126894	Sep 2020	5.399
200.	Keratin - Based materials for biomedical applications	Sandleen Feroz, Nawshad Muhammad, Jithendra Ranayake, George Dias	Bioactive Materials	Published	5(3):496-509	Sep 2020	4.87
201.	Synthesis of an anti-cariogenic experimental composite containing novel drug-decorated copper particles	Mehwish Pasha, Nawshad Muhammad, Maleeha Nayyer 1 , Jaffar Hussain Bokhari, Hina Ashraf , Sher Zaman safi , Muhammad Kaleem.	Jourbal of Materials Science & Engineering C	Published	114:111040	Sep 2020	5.880
202.	Graphitic Carbon Nitride for Efficient Fluorometric Quenching Bioassay of Hydrogen Peroxide: Effect of Structure on Properties	Aftab Ahmed, Akhtar Hayat, Mian Hasnain Nawaz, Peter John, Muhammad Nasir	Journal of Photochemistry and Photobiology A: Chemistry	Published	400:112731	Sep 2020	3.3
203.	Genetic Diversity of Schizothorax, Tor, and Mystus spp. in Khyber Pakhtunkhwa, Pakistan: Species of Economic Importance	Muhammad Qayash Khan, Muhammad Zubair Anjum, Muhammad Adnan, Abbas Khan, Hafsa Zahid, Javed Nawab, Sher Zaman Safi, Muhammad Ishaq Ali Shah, Atif Kamil, Abid Ali	Pakistan Journal of Zoology	Published	1-11	August 2020	0.8
204.	Molecular Imprinted Based Quartz Crystal Microbalance Sensors for Bacteria and Spore	Usman Latif, Can, S, Sussitz, H.F, Dickert, F.L.	Chemosensors	Published	8, 64	Aug 2020	2.70
205.	Nanostructured Molecularly Imprinted Photonic Polymers for Sensing Applications	Latif, Usman, Adnan Mujahid, Muhammad Zahid, Ghulam Mustafa, and Akhtar Hayat	Current Nanoscience	Published	16(4):495-503	Aug 2020	1.836
206.	g-C3N4/CoAl-LDH 2D/2D hybrid heterojunction for boosting photocatalytic hydrogen evolution	Jungang Zhang, Qiaohong Zhu, Lingzhi Wang, Muhammad Nasir, So-Hye Cho, Jinlong Zhang	International Journal of Hydrogen Energy	Published	45(41) : 21331-21340	Aug 2020	4.939
207.	Synthesis of Nitrogen-doped Ceria Nanoparticles in Deep Eutectic Solvent for the Degradation of Sulfamethaxazole under Solar Irradiation and Additional Antibacterial Activities	Iqbal J, Shah NS, Sayed M, Khan JA, Muhammad N, Khan ZU, Naseem M, Howari FM, Nazzal Y, Niazi NK, Hussein A	Chemical Engineering Journal	Published	394: 124869	Aug 2020	10.7
208.	Effect of pyrazolium ionic liquid halide content on in-situ transesterification	Yasir A.Elsheikh, Fawzi Elfghi, Qazi Nasir, Nawshad Muhammad	Journal of Process Safety and Environmental Protection	Published	140:273-282	Aug 2020	5.0

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209.	Synthesis and Sensing Efficiency of Bioinspired CN Wrapped ZnFe ₂ O ₄ Microspheres Towards Ultra-High Sensitivity Arsenic (III) Monitoring of Ground	Awais Siddique Saleemi, Muhammad Hafeez, Aqsa Munawar, Naeem Akhtar, Waseem Abbas, Muhammad Ehsan Mazhar, Zahid Shafiq, Anthony P Davis, Shern-Long Lee	Journal of Materials Chemistry C	Published	https://doi.org/10.1039/D0TC01913E	August 2020	7.05
210.	Polymer matrix: A good substrate material for oxygen probes used in pressure sensitive paints	Muhammad Akram, Mahmood Hassan Akhtar, Muhammad Irfan, Yanqing Tian	Advances in Colloid and Interface Science	Published	283: 102240	Aug 2020	9.9
211.	Design and syntheses of 7-nitro-2-aryl-4H benzo[d][1,3]oxazin-4-ones as potent anticancer and antioxidant agents	Ayesha Bari, Zulfiqar Ali Khan, Sohail Anjum Shahzad, Syed Ali Raza Naqvi, Shakeel Ahmad Khan, Hira Amjad, Ahsan Iqbal, Muhammad Yar	Journal of Molecular structure	Published	1214, 15, 128252	Aug 2020	2.463
212.	Removal of Rhodamine B dye from aqueous solutions using photo-fenton processes and novel Ni-Cu@MWCNTs photocatalyst	M. Tariq, M. Muhammad, J. Khan, A. Raziq, M. K. Uddin, A. Niaz, S. S. Ahmed, A. Rahim,	Journal of Molecular Liquids	Published	312, 113399, 2020	Aug 2020	5.065
213.	Smart injectable self-setting bioceramics for dental applications	Qurat ul Ain Malik, Sundus Iftikhar, Saba Zahid, Sher Zaman Safi, Ather Farooq Khan, Muhammad Nawshad, Sarah Ghafoor, Abdul Samad Khan, AsmaTufail Shah,	Materials Science and Engineering: C	Published	113, 110956	Aug 2020	5.88
214.	Green Production and Structural Evaluation of Maize Starch–Fatty Acid Complexes Through High Speed Homogenization	Uddin, Misbah, Nasir Mehmood Khan, Farman Ali, Zia Ullah Khan, Nawshad Muhammad, Jibran Iqbal, Noor Rehman, Abdul Khaliq Jan, and Shujaat Ahmad	Journal of Polymers and the Environment	Published	28:3110–3115	July 2020	2.4
215.	Doping and Incorporation of Hydroxyapatite in Development of PU-PLA Electrospun Osteogenic Membranes	Waleed Mustafa, Usaid Azhar, Sobia Tabassum, Muddasar Jamal, Saadat Anwar Siddiqi, Muhammad Tariq, Nawshad Muhammad, Anila Asif, Aqif Anwar Chaudhry; Faiza Sharif	J. Polymers and the Environment	Published	28:2988–3002	July 2020	2.57
216.	Synthesis, Evaluation of Thymidine Phosphorylase and Angiogenic Inhibitory Potential of Ciprofloxacin Analogues: Repositioning of Ciprofloxacin from Antibiotic to Future Anticancer Drugs	Ayesha Bari, Zulfiqar Ali Khan, Sohail Anjum Shahzad, Syed Ali Raza Naqvi, Shakeel Ahmad Khan, Hira Amjad, Ahsan Iqbal, Muhammad Yar	Bioorganic Chemistry	Published	100, 103876,	July 2020	3.94
217.	Developing affordable and accessible pro-angiogenic wound dressings; incorporation of 2 deoxy D-ribose	Anisa Andleeb, Serkan Dikici, Tayyaba Sher Waris, Muhammad Mustehsan Bashir,	Journal of Tissue Engineering and	Published	14(7):973-988	July 2020	3.319

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	(2dDR) into cotton fibres and wax-coated cotton fibres	Shahid Akhter, Aqif Anwar Chaudhry, Sheila MacNeil, Muhammad Yar	Regenerative Medicine				
218.	Synthesis, Evaluation of Thymidine Phosphorylase and Angiogenic Inhibitory Potential of Ciprofloxacin Analogues: Repositioning of Ciprofloxacin from Antibiotic to Future Anticancer Drugs	Miss Ayesha Sarfraz, Dr Muhammad Yar, Dr. Zulfiqar Khan, Dr Syed Ali Raza Naqvi, Miss Sadia Naz, Mr Nazeer Ahmad Khan, Dr Umar Farooq, Ms Razia Batool, Dr Muhammad Ali	Bioorganic Chemistry	Published	100:103876	July 2020	3.926
219.	ZnO–PVA Polymer Matrix with Transition Metals Oxide Nano-fillers for High Dielectric Mediums	Tahir Iqbal, M. Irfan, Shahid M. Ramay, Syed Mansoor Ali, Murtaza Saleem, Saadat A. Siddiqi	J Polym Environ	Published	28:2422–2432	June 2020	2.62
220.	Overview of hydroxyapatite; composition, structure, synthesis methods and its biomedical uses.	Shafiq Uz Zaman, Muhammad Irfan, Masooma Irfan, Nawshad Muhammad, Muhammad Khaliq U Zaman, Abdur Rahim, Saif-Ur-Rehman.	Biomedical letters	Published	6(1), 84-89.	June 2020	--
221.	Synthetic approaches toward piperidine related structures: A review	Ayesha Bari, Ahsan Iqbal, Zulfiqar Ali Khan, Sohail Anjum Shahzad, Muhammad Yar	Synthetic Communications	Published	12:1-18	June 2020	2.175
222.	Synthesis and characterization of cellulose/ hydroxyapatite based dental restorative composites	Muhammad Sabir, Asif Ali, Usama Siddiqui, Nawshad Muhammad, Abdul Samad Khan, Faiza Sharif, Farasat Iqbal, Asma Tufail Shah, Abdur Rahim, Ihtesham Ur Rehman	Journal of Biomaterials Science, Polymer Edition	Published	1-10	June 2020	2.06
223.	Structural, fluoride release, and 3D interfacial adhesion analysis of bioactive endodontic sealers	Yara Khalid Almaimouni, Shorouq Khalid Hamid, Kanwal Ilyas, Asma Tufail Shah, Abdul Majeed And Abdul Samad Khan	Dental Materials Journal	Published	5;39(3):483-489.	June 2020	1.359
224.	Why Severity Rate of COVID-19 is High in Patients with Diabetic Mellitus: A Brief Insight	Romah Ishfaq, Anam Zulfiqar, Atif Zulfiqar, Asghar Javaid, Muhammad Zulfiqar, Naeem Akhtar*,	BIOMEDICA	Published	36:126-130	June 2020	---
225.	Influence of interfacial layer parameters on gas transport properties through modeling approach in MWCNTs based mixed matrix composite membranes	Sidra Saqib, Sikander Rafiq, Nawshad Muhammad, Asim Laeeq Khan, Ahmad Mukhtar, Nurhayati Binti Mellond Zakaria Man, Sami Ullah, Abdullah G.Al-Sehemi, Farrukh Jamil	Chemical Engineering Science	Published	218:115543	June 2020	3.372

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226.	Facile synthesis of hetaryl-modified MCM-41 and targeted removal of Pb(II) ions for water purification	Farah Suhail, Madeeha Batool, Muhammad Imran Din, Misbahul Ain Khan, Ghayoor Abbas Chotana, Iqra Zubair, Asma Tufail Shah	Journal of Porous Materials	Published	1-14	June 2020	2.183
227.	CO ₂ Capturing, Thermo-Kinetic Principles, Synthesis and Amine Functionalization of Covalent Organic Polymers for CO ₂ Separation from Natural Gas: A Review.	Mukhtar, Ahmad, Sidra Saqib, Nurhayati Binti Mellon, Muhammad Babar, Sikander Rafiq, Sami Ullah, Mohamad Azmi Bustam, Muhammad G. Al-Sehemi, Nawshad Muhammad, and Muhammad Chawla	Journal of Natural Gas Science and Engineering	Published	77:103203	May 2020	3.84
228.	Dose Issues in Cancer Chemotherapy	Syed A.A. Rizvi, Yasser Shahzad, Ayman M. Saleh, Nawshad Muhammad	Oncology	Published	98:520–527	May 2020	2.2
229.	Colorimetric Sensing of Hydrogen Peroxide Using Ionic-Liquid-Sensitized Zero-Valent Copper Nanoparticle (nZVCu)	Zarif, Faiza, Shazia Khurshid, Nawshad Muhammad, Muhammad Zahid Qureshi, and Noor S. Shah	Chemistry Select	Published	5(20):6066-74.	May 2020	1.8
230.	Oxygen Generating Polymeric Nano Fibers that Stimulate Angiogenesis and Show Efficient Wound Healing in Diabetic Wound Model	Mubashra Zahra, Waliya Zubairi, Anwar ul Hasan, Hira Butt, Amna Ramzan, Maryam Azam, Azra Mehmood, Mojtaba Falahati, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Muhammad Yar	International Journal of Nanomedicine	Published	15, 3511-3522	May 2020	4.471
231.	The efficacy of polyvinylpyrrolidone (PVP)/CuO nanocomposite as an appropriate room temperature humidity sensing material: fabrication of highly sensitive capacitive resistive type humidity sensor	H. U. Khan, M. Tariq, M. Shah, M. T. Jan, M. Iqbal, J. Khan, A. R. Ahsan, A. Rahim	Journal of Materials Science: Materials in Electronics	Published	31(10):7698–7707	May 2020	2.195
232.	Synthesis and catalytic performance of novel cesium and potassium salts of aluminum substituted tungstoborate for pyrolysis of polyethylene waste to petrochemical feedstock	Saira Attique, Madeeha Batool, Oliver Goerke, Mustansara Yaqub, Duncan H. Gregory, Claire Wilson, Asma Tufail Shah	Materials Chemistry and Physics	Published	246(1):122781	May 2020	2.210
233.	Switchable fluorescence sensor toward PAT via CA-MWCNTs quenched aptamer-tagged carboxyfluorescein	Khan, Reem, Tauqir A. Sherazi, Gaelle Catanante, Sidra Rasheed, Jean Louis Marty, and Akhtar Hayat	Food Chemistry	Published	312:126048	May 2020	5.399
234.	The efficacy of polyvinylpyrrolidone (PVP)/CuO nanocomposite as an appropriate room temperature humidity sensing material: fabrication of highly sensitive capacitive resistive type humidity sensor	Hizb Ullah Khan, Muhammad Tariq, Mutabar Shah, Muhammad Tariq Jan, Mahmood Iqbal, Jehangeer Khan, Abdul Razaq Ahsan, Abdur Rahim	Journal of Materials Science: Materials in Electronics	Published	31(10):7698-7707	May 2020	2.195

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235.	Lignin/alginate/hydroxyapatite composite beads for the efficient removal of copper and nickel ions from aqueous solutions	Ayesha Naseer, Almas Hamid, Moinuddin Ghauri, Asma Nasrullah, Jibran Iqbal, Noor Samad Shah, Sikander Rafiq, Masooma Irfan, Nawshad Muhammad	Desalination And Water Treatment	Published	184:199-213	April	1.0
236.	Development of new organic-inorganic, hybrid bionanocomposite from cellulose and clay for enhanced removal of Drimarine Yellow HF-3GL dye	Kausar, Abida, Ramsha Shahzad, Jibran Iqbal, Nawshad Muhammad, Sobhy M. Ibrahim, and Munawar Iqbal	International Journal of Biological Macromolecules	Published	159: 1059-1071	April 2020	5.0
237.	Water quality assessment of lower Jhelum canal in Pakistan by using geographic information system (GIS)	Bashir, Nusrat, Rashid Saeed, Muhammad Afzaal, Ashfaq Ahmad, Nawshad Muhammad, Jibran Iqbal, Abdullah Khan, Yusra Maqbool, and Saman Hameed	Groundwater for Sustainable Development	Published	10:100357	April 2020	
238.	Potential of siltstone and its composites with biochar and magnetite nanoparticles for the removal of cadmium from contaminated aqueous solutions: Batch and column scale studies	Imran, Muhammad, Zia Ul Haq Khan, Jibran Iqbal, Noor Samad Shah, Saima Muzammil, Shafaqat Ali, Nawshad Muhammad et al	Environmental Pollution	Published	259: 113938	April 2020	6.8
239.	One-Pot Deconstruction and Conversion of Lignocellulose Into Reducing Sugars by Pyridinium-Based Ionic Liquid–Metal Salt System	Naz, Sadia, Maliha Uroos, Azmat Mehmood Asim, Nawshad Muhammad, and Faiz Ullah Shah	Frontiers in Chemistry	Published	8:236	April 2020	3.8
240.	Effect of sulfur doping on graphene oxide towards amplified fluorescence quenching based ultrasensitive detection of hydrogen peroxide	Ayesha Saleem Siddiqui, Akhtar Hayat, Mian Hasnain Nawaz, Muhammad Ashfaq Ahmad, Muhammad Nasir	Applied Surface Science	Published	509:144695	April 2020	6.18
241.	Dopant-Induced Edge and Basal Plane Catalytic Sites on Ultrathin C ₃ N ₄ Nanosheets for Photocatalytic Water Reduction	Qiaohong Zhu, Bocheng Qiu, Mengmeng Du, Jiahui Ji, Muhammad Nasir, Mingyang Xing, and Jinlong Zhang	ACS Sustainable Chemistry & Engineering	Published	8(19): 7497–7502	April 2020	7.632
242.	Molecularly imprinted poly(methyl methacrylate)-nickel sulfide hybrid membranes for adsorptive desulfurization of dibenzothiophene	Mujahid, A.; Maryam, A.; Afzal, A.; Zafar Bajwa, S.; Hussain, T.; Imran Din, M.; Latif, U.; Irshad, M.	Sep. Purif. Technol.	Published	237:116453	April 2020	5.107
243.	Surface characterizations of membranes and electrospun chitosan derivatives by optical speckle analysis	Rizwan, Muhammad, Yasaman Ganjkhani, Vahideh Farzam Rad, Maasoomah Bazzar, Muhammad Yar, Rosiyah Yahya, and Ali-Reza Moradi	Surface and Interface Analysis	Published	52(4):132-139	April 2020	1.319
244.	Phytosynthesis of cerium oxide nanoparticles and investigation of their photocatalytic potential for degradation of phenol under visible light	Tausif Ahmad, Jibran Iqbal, Mohamad Azmi Bustam, Muhammad Zulfiqar, Nawshad Muhammad, Buthaina Mohamed Al Hajeri, Muhammad Irfan, Hafiz Muhammad Anwaar Asghar, Sami Ullah	Journal of Molecular Structure	Published	128292	April 2020	2.011
245.	Design and syntheses of 7-nitro-2-aryl-4H-benzo[d][1,3]oxazin-4-ones as potent anticancer and antioxidant agents	Ayesha Bari ^a Zulfiqar Ali Khan ^a Sohail Anjum Shahzad ^b Syed Ali Raza Naqvi ^a Shakeel Ahmad Khan ^c	Journal of Molecular Structure	Published	1214:128252	April 2020	2.011

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246.	Ionic liquid coated zerovalent manganese nanoparticles with stabilized and enhanced peroxidase-like catalytic activity for colorimetric detection of hydrogen peroxide	Rauf S, Ali N, Tayyab Z, Shah MY, Yang CP, Hu JF, Kong W, Huang QA, Hayat A, Muhammad N	Materials Research Express	Published	7(3):035018	March 2020	1.4
247.	H2O2 Screening from Saliva of Gum Diseased-patient through CN-dot Wrapped Cu2O Nano-frogspawns Ionic Liquid Nanocomposite	Khizar Hayat, Mahmood Hassan Akhtar, Awais Siddique Saleemi, Hafiz Badaruddin Ahmad, Naeem Akhtar	Electroanalysis	Published	(32):1-8	March 2020	2.69
248.	3D Printed Bioactive Composite Scaffolds for Bone Tissue Engineering	Yunis Moukbil, Busra Isindag, Velican Gayir, Burak Ozbek, Merve Erginer Haskoylu, Ebru Toksoy Oner, Faik Nuzhet Oktar, Fakhera Ikram, Mustafa Sengor, Oguzhan Gunduz.	Bioprinting	Published	17:e00064	March 2020	2.6
249.	Fabrication of dual drug loaded bilayered chitosan based composite scaffolds as osteochondral substitutes and evaluation of in vitro cell response using the MC3T3 pre-osteoblast cell line	Muhammad Samie, Muhammad Arfat Yameen, Hafiza Fakhera Ikram, Haffsah Iqbal, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Ather Farooq Khan	Cellulose	Published	27(4):2253-66.	March 2020	3.9
250.	Determination of Baseline Antibody Titre for Widal Agglutination Test in a Specific Geographical area of Poonch, Rawalkot, Azad Kashmir	Shafqat Husnain Khan, Riaz Ul Haq Subhani, Sajida Yasmeen, Mustansara Yaqub, Humayun Akhtar	Pakistan Journal of Medical and Health Sciences	Published	01:273	March 2020	0.02
251.	Quats stabilized gold nanospheres for efficient ligand exchange procedure	Naz, Gul, Muhammad Naeem Anjum, Muhammad Irfan, Masooma Irfan, Muhammad Arshad, Sadia Z. Bajwa, and Waheed S. Khan	Results in Materials	Published	5:100065	March 2020	--
252.	Papain grafted into the silica coated iron-based magnetic nanoparticles 'IONPs@ SiO2-PPN' as a new delivery vehicle to the HeLa cells.	Nasiri, Rozita, Shadab Dabagh, Rokhsareh Meamar, Ani Idris, Irfan Muhammad, Masooma Irfan, and Hamid Rashidi Nodeh	Nanotechnology	Published	31, 19, 195603	Feb 2020	3.39
253.	MIP-Based Impedimetric Sensor for Detecting Dengue Fever Biomarker	Rabia Arshad, Amina Rhouati, Akhtar Hayat, Mian Hasnain Nawaz, Muhammad Arfat Yameen, Adnan Mujahid, Usman Latif	Applied Biochemistry and Biotechnology	Published	11	Feb 2020	2.27
254.	Aqueous Solution of a Basic Ionic Liquid: A Perspective Solvent for Extraction and Regeneration of Silk Powder from Bombyx mori Silk Cocoons	Muhammad Samie, Nawshad Muhammad, Muhammad Arfat Yameen, Aqif Anwar Chaudhry, Hamad Khalid, and Ather Farooq Khan	Journal of Polymers and Environment	Published	28(2):657-67	Feb 2020	1.971
255.	Thyroxine-loaded chitosan/carboxymethyl cellulose/hydroxyapatite hydrogels enhance angiogenesis in ex-ovo experiments	Hamza Malik, Lubna Shehzadi, Razia Batool, Sher Zaman Safi, Abdul Samad Khan, Ather Farooq Khan, Aqif Anwar Chaudhry, Ihtesham Reman, Muhammad Yar	International journal of biological macromolecules	Published	145:1162-1170	Feb 2020	4.784

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256.	Structural, fluoride release, and 3-D interfacial adhesion analysis of bioactive endodontic sealers	Y. AlMaimouni, S. Khalid, K. Ilyas, Asma Tufail Shah, A. Majeed, A.S. Khan	Dental Materials Journal	Published	39(3): 483-489	Feb 2020	1.424
257.	Comparative fluoride release and antimicrobial analysis of commercial and experimental bioactive glass/nano-oxide based dentifrices	H. Gul, M. Nayyer, M. Gilani, N. Aman, A.A. Azad, A.T. Shah, A.A. Chaudhry, M. Kaleem, A.S. Khan	European Journal of Dentistry	Published	14(1):38-44.	Feb 2020	
258.	Highly Efficient Catalytic Pyrolysis of Polyethylene Waste to Derive Fuel Products by Novel Polyoxometalate/Kaolin Composites	Saira Attique, Madeeha Batool, Mustansara Yaqub, Oliver Goerke, Duncan H. Gregory, Asma Tufail Shah	Waste Management & Research	Published	38(6):0734242X19899718	Feb 2020	2.771
259.	In-Situ Forming pH and Thermosensitive Injectable Hydrogels to Stimulate Angiogenesis: Potential Candidates for Fast Bone Regeneration Applications	Fatma Z. Kocak , Abdullah C.S. Talari , Muhammad Yar and Ihtesham U. Rehman	International journal of molecular sciences	Published	21:1633	Feb 2020	3.687
260.	Deep eutectic solvent-mediated synthesis of ceria nanoparticles with the enhanced yield for photocatalytic degradation of flumequine under UV-C	qbal, Jibrán, Noor S. Shah, Murtaza Sayed, Nawshad Muhammad, Javed Ali Khan, Zia Ul Haq Khan, Fares M. Howari et al	Journal of Water Process Engineering	Published	33:101012	Feb 2020	3.173
261.	In situ synthesis of gold nanoparticles on mesoporous silica surface-functionalized with pyridinium ligands	L. S. S. Santos, S. B. A. Barros, A. Rahim, Y. Gushikem,	Journal of Nanoparticle Research,	Published	22,49,1-14,	Feb 2020	2.009
262.	Membranes for CO ₂ /CH ₄ and CO ₂ /N ₂ Gas Separation	Muhammad Chawla Hammad Saulat Muhammad Masood Khan Muhammad Mahmood Khan Sikander Rafiq Linjuan Cheng Tanveer Iqbal M. Imran Rasheed Muhammad Zohaib Farooq Muhammad Saeed Nasir M. Ahmad Muhammad Bilal Khan Niazi Sidra Saqib Farrukh Jamil Ahmad Mukhtar Nawshad Muhammad	Chemical Engineering & Technology	Published	43(2): 184-199	Feb 2020	
263.	Microwave-assisted synthesis of carbon dots as reductant and stabilizer for silver nanoparticles with enhanced-peroxidase like activity for colorimetric detection of hydrogen peroxide and glucose.	Urooj Gul, Shamsa Kanwal, Sobia Tabassum, Mazhar Amjad Gilani, Abdur Rahim	Microchimica Acta	Published	187:135	Feb 2020	5.47
264.	Mesoporous silica MCM-41,SBA-15 and derived bridged polysilsesquioxane SBA-PMDA for the selective removal of textile reactive dyes from wastewater.	Khan, A.J., Song, J., Ahmed, K., Rahim, A., Volpe, P.L.O. and Fozia Rehman	Journal of molecular Liquids	Published	298:111957	Jan 2020	5.06
265.	Perylene based novel mixed matrix membranes with enhanced selective pure and mixed gases (CO ₂ , CH ₄ , and N ₂) separation	Saqib, Sidra, Sikander Rafiq, Nawshad Muhammad, Asim Laeeq Khan, Ahmad Mukhtar, Nurhayati Binti Mellon, Zakaria Man, Mian Hasnain Nawaz, Farrukh Jamil, and Nasir M. Ahmad	Journal of Natural Gas Science and Engineering	Published	73:103072	Jan 2020	3.859
266.	Prosthodontics dental materials: From conventional to unconventional	Saeed, Fatima, Nawshad Muhammad, Abdul Samad Khan, Faiza Sharif,	Materials Science and Engineering: C	Published	106:110167	Jan 2020	4.708

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267.	Orange Peel Derived C-dots Decorated CuO Nanorods for the Selective Monitoring of Dopamine from Deboned Chicken	Muhammad Asad, Anam Zulfiqar, Rizwan Raza, Minghui Yang, Akhtar Hayat, and Naeem Akhtar	Electroanalysis	Published	32(1):11-18	Jan 2020	2.69
268.	Immobilization of Enzymes on Magnetic Beads Through Affinity Interactions	Audrey Sassolas, Akhtar Hayat, Jean-Louis Marty	Methods in molecular biology (Clifton, NJ)	Published	2100: 189-198	Jan 2020	10.71
269.	Biophysics and the nonlinear dynamics instigated by a special hormone	Sana Javed, Ayesha Sohail, Anila Asif, Alessandro Nutini	Progress in Biophysics and Molecular Biology	Published	150:62-66	Jan 2020	2.703
270.	Construction of Sponge-like Graphitic Carbon Nitride and Silver Oxide Nanocomposite Probe for Highly Sensitive and Selective Turn-Off Fluorometric Detection of Hydrogen Peroxide	Aftab Ahmed, Akhtar Hayat, Mian Hasnain Nawaz, Peter John, Muhammad Nasir	Journal of Colloid and Interface Science	Published	558, 230-241	Jan 2020	6.361
271.	Nitrogen-doped graphene oxide as a catalyst for the oxidation of Rhodamine B by hydrogen peroxide: Application to a sensitive fluorometric hydrogen peroxide assay	Siddiqui, Ayesha Saleem, Muhammad Ashfaq Ahmad, Mian Hasnain Nawaz, Akhtar Hayat, and Muhammad Nasir	Microchemica Acta	Published	187:47	Jan 2020	5.479
272.	Probe sonication assisted ionic liquid treatment for rapid dissolution of lignocellulosic biomass	Asyraf Hanim Ab Rahim, Zakaria Man, Ariyanti Sarwono, Nawshad Muhammad, Amir Sada Khan, Wan Suzaini, Wan Hamzah, Normawati, Mohamad Yunus, Yasir A. Elsheikh	Cellulose	Published	Pp 1-14	Jan 2020	4.2
273.	Real-Time and Online Monitoring of Glucose Contents by Using Molecular Imprinted Polymer-Based IDEs Sensor.	Asghar, N., Mustafa, G., Yasinzai, M., Al-Soud, Y.A., Lieberzeit, P.A., Latif, U	Appl. Biochem. Biotechnol	Published	189(4):1156-1166	Dec 2019	1.638
274.	Nitrogenated holey graphene (C2N) surface as highly selective electrochemical sensor for ammonia	Yar, Muhammad, Muhammad Ali Hashmi, and Khurshid Ayub	Journal of Molecular Liquids	Published	296:111929	Dec 2019	4.561
275.	Polymer scaffold layers of screen-printed electrodes for homogeneous deposition of silver nanoparticles: application to the amperometric detection of hydrogen peroxide	Goud, K. Yugender, V. Sunil Kumar, Akhtar Hayat, Gaelle Catanante, K. Vengatajalabathy Gobi, and Jean Louis Marty	Microchimica Acta	Published	186(12):810	Dec 2019	5.479
276.	Mg and Ni incorporated ZnO DMS for magnetic and photo-catalytic applications	Tahir Iqbal, M. Irfan, Shahid M. Ramay, Abdullah Alhamidi, Hamid Shaikh, Murtaza Saleem, Saadat A. Siddiqi,	Chinese Journal of Chemical Physics	Published	33(3):	Dec 2019	
277.	Synthesis of sulphonic acid functionalized magnetic mesoporous silica for Cu(II) and Co(II) adsorption	Syed Mazhar Shah, A.R. Makhdoom, Xingguang Su, Muhammad Faheem, Muhammad Irfan, Masooma Irfan, Guannan Wang, Yuan Gao	Microchemical Journal	Published	151:104194	Dec 2019	3.206
278.	Doping superalkali on Zn12O12 nanocage constitutes a superior approach to fabricate stable and high-performance nonlinear optical materials	Naveen Kosar, Tariq Mahmood, Khurshid Ayub, Sobia Tabassum, Muhammad Arshad, Mazhar Amjad Gilani	Optics & Laser Technology	Published	120:105753	Dec 2019	3.3

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279.	Fabrication and Evaluation of Cellulose-Alginate-Hydroxyapatite Beads for the Removal of Heavy Metal Ions from Aqueous Solutions	Anum Jamshaid, Jibran Iqbal, Almas Hamid, Moinuddin Ghauri, Nawshad Muhammad	journal Zeitschrift für Physikalische Chemie	Published	233(No. 9):	Dec 2019	1.1
280.	Fabrication of hexagonal boron nitride quantum dots via a facile bottom-up technique	Pervaiz Ahmad, Mayeen Uddin Khandaker, Nawshad Muhammad et al.	Ceramic internationals	Published	45(17 Part B): 22765-22768	Dec 2019	3.6
281.	Mechanical Properties of Powder Metallurgy Processed Biodegradable Zn-Based Alloy for Biomedical Application	Kolawole, Maruf Yinka, Jacob Olayiwola Aweda, Farasat Iqbal, Asif Ali, and Sulaiman Abdulkareem	International Journal of Materials and Metallurgical Engineering	Published	13(12):558-63	Nov 2019	
282.	Magnetic Particles-Based Analytical Platforms for Food Safety Monitoring	Khan, Reem, Abdur Rehman, Akhtar Hayat, and Silvana Andreescu	Magnetochemistry	Published	5(4), 63	Nov 2019	
283.	Ionic liquid as a moderator for improved sensing properties of TiO ₂ nanostructures for the detection of acetone biomarker in diabetes mellitus	U. Nishan, F. Bashir, N. Muhammad, N. Khan, A. Rahim, M. Shah, R. Nazir, M. Sayed,	Journal of Molecular Liquids,	Published	294, 111681	Nov 2019	4.561
284.	Electrochemical determination of urinary dopamine from neuroblastoma patients based on Cu nanoplates	Waseem Abbas, Qinglei Liu, Naem Akhtar, Javed Ahmad, Muhammad Ehsan Mazhar, Tengfei Li, Imran Zada, Lulu Yao, Raheela Naz,	Journal of Electroanalytical Chemistry	Published	853: 113560	Nov 2019	3.01
285.	Acid susceptible polymeric stealthy nanoparticles for improved anticancer drug delivery	Anam Shahzadi, Fakhera Ikram, Riaz ul Haq Subhani, Arsalan Ahmed, Anila Asif, Nighat Fatima, Aqif Anwar Chaudhry, Yong Hu	International Journal of Polymeric Materials and Polymeric Biomaterials	Published	26:1-10	Oct 2019	2.584
286.	H ₂ O ₂ -Sensitive Upconversion Nanocluster Bomb for Tri-Mode Imaging-Guided Photodynamic Therapy in Deep Tumor Tissue	Wei Jiang, Chao Zhang, Arsalan Ahmed, Yunlei Zhao, Yu Deng, Yin Ding, Jianfeng Cai and Yong Hu	Advanced Healthcare Materials	Published	8(20): 1900972	Oct 2019	6.270
287.	Tri-layered functionally graded membrane for potential application in periodontal regeneration	Asma Tufail Shah, Saba Zahid, Fakhera Ikram, Muhammad Maqbool, Aqif Anwar Chaudhry, Muhammad Imran Rahim, Franziska Schmidt, Oliver Goerke, Abdul Samad Khand, Ihtesham ur Rehman	Materials Science & Engineering C	Published	103: 109812	Oct 2019	4.959
288.	Sol-gel derived fluoridated and non-fluoridated bioactive glass ceramics-based dental adhesives: Compositional effect on re-mineralization around orthodontic brackets	Firzok, Hira, Zahid, Saba, Asad, Saad, Manzoor, Faisal, Khan, Abdul Samad, Shah, Asma Tufail	Journal of non-crystalline solids	Published	52: 119469	Oct 2019	2.6
289.	Structural, dielectric and optical investigations of Zr incorporated ceria nanoparticles	Mohammad Zafar, Shaukat Mahmood, Hamid Shaikh, Abdullah Alhamidi, Shahid M. Ramay, Murtaza Saleem, Saadat A. Siddiqi	Materials Research Express	Published	6(No 11):	Oct 2019	1.5
290.	Effects of Chromium-Loaded Chitosan Nanoparticles on the Intestinal Electrophysiological Indices and Glucose Transporters in Broilers	Sajid Khan Tahir, Muhammad Khurram Shahzad, Muhammad Shahbaz Yousaf*, Sohrab Ahmad, Abia Khalid, Ather Farooq Khan, Mohsin Raza, Khalid Abdul Majeed, Hafsa Zaneb, Imtiaz Rabbani and Habib Rehman	Animals	Published	9(10): 819	Oct 2019	1.8
291.	Synergistic effects of activated carbon and nano-zerovalent copper on the	Iqbal, Jibran, Noor S. Shah, Murtaza Sayed, Muhammad Imran, Nawshad	Journal of Cleaner Production	Published	235:875-886	Oct 2019	6.395

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	performance of hydroxyapatite-alginate beads for the removal of As ³⁺ from aqueous solution	Muhammad, Fares M. Howari, Sara A. Alkhoori et al.					
292.	Effect of gold and iron nanoparticles on photocatalytic behaviour of titanium dioxide towards 1-butyl-3-methylimidazolium chloride ionic liquid	Tausif Ahmad, Mohamad Azmi Bustam, Muhammad Irfan, Muhammad Moniruzzaman, Mohamad Fakhrol Ridhwan Samsudin, Hafiz Muhammad Anwaar Asghar, Nawshad Muhammad	Journal of Molecular Liquids	Published	291(1): 111277	Oct 2019	4.6
293.	Advanced Functional polymer nanocomposites and their use in water ultra-purification.	Saleh, Tawfik A, Parthasarathy, Prakash, & Irfan, Muhammad	Trends in Environmental Analytical Chemistry:	Published	24: e00067	Oct 2019	5.5
294.	Hemodialysis performance and anticoagulant activities of PVP-k25 and carboxylic-multiwall nanotube composite blended Polyethersulfone membrane.	Muhammad Irfan, Masooma Irfan, Syed Mazhar Shah, Nadeem Baig, Tawfik A.Saleh, Mahmood Ahmed, Gul Naz, Naeem Akhtar, Nawshad Muhammad, Ani Idris	Materials Science and Engineering: C	Published	103: p. 109769	Oct 2019	5.01
295.	Controllable Delivery from Gentamicin Loaded Polycaprolactone/ Grafted Silica Nanoparticles Composite Mats,	Sarah Tariq, Abdur Rahim, Nawshad Muhammad, Saeed ur Rahman, Usaid Azhar; Kishwar Sultana; Faiza Sharif; Saadat A Siddiqi; Muhammad Zaman; Fozia Rehman,	J. of Molicular Liquids	Published	290:111205	Sep 2019	5.065
296.	Magnetron sputtered Dy ₂ O ₃ with chromium and copper contents for antireflective thin films with enhanced absorption	Shahid M Ramay, Asif Mahmood, Hamid M Gaithan, Nasser S. Al-Zayed, Adnan Aslam, Abdullah, Murtaza, Nisar Ahmad, Saadat A. Siddiqi, Murtaza Saleem	Journal of Rare Earths	Published	37(9):989-994	Sep 2019	2.39
297.	Acidic ionic liquids: Promising and cost-effective solvents for processing of lignocellulosic biomass	Asim, Azmat Mehmood, Maliha Uroos, Sadia Naz, Misbah Sultan, Gregory Griffin, Nawshad Muhammad, and Amir Sada Khan	Journal of Molecular Liquids	Published	287: 110943	Aug 2019	4.561
298.	Amino acids loaded chitosan/collagen based new membranes stimulate angiogenesis in chorioallantoic membrane assay	Abdur Raheem Aleem, Lubna Shahzadi, Saimoon Tehseen, Farah Alvi, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Muhammad Yar	International Journal of Biological Macromolecules	Published	140: 401–406	Aug 2019	4.78
299.	Collagen type I and hyaluronic acid based hybrid scaffolds for heart valve tissue engineering	Rabia Nazir, Arne Bruyneel, Carolyn Carr, Jan Czernuszka	Biopolymers	Published	110(8):e23278	Aug 2019	2.248
300.	Insight into the structural characterization of pure and Zr-doped hydrothermally synthesized cerium oxide nanoparticles	Muhammad Ehsan Mazhar, Samia Bakhtawar, Anwar Manzoor, Muhammad Nauman Usmani, Naeem Akhtar, Waseem Abbas, Khalil Khan and Javed Ahmad	Materials Research Express	Published	6 No 10	Aug 2019	1.15
301.	Facile Solvothermal Synthesis of Pt-Cu Electrocatalyst With Improved Electrocatalytic Activity Toward Methanol Oxidation,	M. Haris Mehmood, M. Tariq, A. Hassan, A. Raziq, Abdur Rahim, J. Khan	Journal of the Serbian Chemical Society	Published	84, 1-13,	Aug 2019	0.828

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302.	Voltammetric determination of nitrite by using a multiwalled carbon nanotube paste electrode modified with chitosan-functionalized silver nanoparticles	S. Bibi, M. I. Zaman, A. Niaz, M. Nawaz, A. Rahim*, M. Bilal	Microchimica Acta	Published	186, 595-604	Aug 2019	5.479
303.	Kinetic and thermodynamic study of oxidative degradation of acid yellow 17 dye by Fenton-like process: Effect of HCO ₃ ⁻ , CO ₃ ²⁻ , Cl ⁻ and SO ₄ ²⁻ on dye degradation	Khan J, Tariq M, Muhammad M, Mehmood MH, Ullah I, Raziq A, Akbar F, Saqib M, Rahim A, Niaz A.	Bulletin of the Chemical Society of Ethiopia	Published	33(2), 243-254,	July 2019	0.765
304.	Addition of 2-deoxy-d-ribose to clinically used alginate dressings stimulates angiogenesis and accelerates wound healing in diabetic rats	Maryam Azam, Serkan Dikici, Sabiniano Roman, Azra Mehmood, Aqif A Chaudhry, Ihtesham Ur Rehman, Sheila MacNeil, Muhammad Yar	Journal of Biomaterials Applications	Published	34(4): 463-475	July 2019	2.764
305.	Development of collagen/PVA composites patches for osteochondral defects using a green processing of ionic liquid	B. Iqbal, N. Muhammad, A. Rahim, F. Iqbal, F. Sharif, S. Z. Safi, A. S. Khan, G. Gonfa, M. Uroos, I. U. Rehman	International Journal of Polymeric Materials and Polymeric Biomaterials,	Published	68 (10), 590–596,	July 2019	2.263
306.	Developing A Synthetic Composite Membrane for Cleft Palate Repair	Faiza Sharif, Sabiniano Roman, Anila Asif, Giulia Gigliobianco, Sarah Ghafoor, Muhammad Tariq, Saadat Anwar Siddiqui, Farrukh Mahmood, Nawshad Muhammad, Ihtesham Ur Rehman, Sheila MacNeil,	Journal of Tissue Engineering and Regenerative Medicine	Published	13(7):1178-1189	July 2019	4.089
307.	Zinc-Doped Mesoporous Graphitic Carbon Nitride for Colorimetric Detection of Hydrogen Peroxide	Aftab Ahmed, Peter John, Mian Hasnain Nawaz, Akhtar Hayat, Muhammad Nasir	ACS Appl. Nano Mater.2019	Published	28, 5156-5168	July 2019	--
308.	Nonenzymatic amperometric dopamine sensor based on a carbon ceramic electrode of type SiO ₂ /C modified with Co ₃ O ₄ nanoparticles	Abdur Rehman Younus, Jibran Iqbal, Nawshad Muhammad, Fozia Rehman, Muhammad Tariq, Abdul Niaz, Syed Badshah, Tawfik A. Saleh, Abdur Rahim	Microchimica Acta	Published	186:471	July 2019	5.7
309.	Emerging antimicrobial resistance causing therapeutic failure in neonatal Sepsis	Khaliq, Abdul, Saeed Ur Rahman, Saleha Gul, Mahtab Ahmad Khan, Zaib Ali Shaheryar, Muhammad Zaman, and Awais Ali Zaidi	Biocatalysis and agricultural biotechnology	Published	p.101233	July 2019	On track
310.	Synergistic effects of bismuth coupling on the reactivity and reusability of zerovalent iron nanoparticles for the removal of cadmium from aqueous solution	Murtaza, B., Shah, N.S., Sayed, M., Khan, J.A., Imran, M., Shahid, M., Khan, Z.U.H., Ghani, A., Murtaza, G., Muhammad, N. and Khalid, M.S.	Science of The Total Environment	Published	669:333-341	June 2019	5.589
311.	Novel chitosan derivative based composite scaffolds with enhanced angiogenesis; potential candidates for healing chronic non-healing wounds	Muhammad Rizwan, Rosiyah Yahya, Aziz Hassan, Muhammad Yar, Adyani Azizah Abd Halim, Anis Rageh Al-Maleki, Lubna Shahzadi, Waliya Zubairi	Journal of Materials Science: Materials in Medicine	Published	30:72	June 2019	2.448

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312.	Parathyroid Hormone-Related Protein (PTHrP) Accelerates Soluble RANKL Signals for Downregulation of Osteogenesis of Bone Mesenchymal Stem Cells	Elango, Jeevithan, Saeed Ur Rahman, Yves Henrotin, José Eduardo Maté Sánchez de Val, Bin Bao, Shujun Wang, Bailin Li, and Wenhui Wu	Journal of clinical medicine	Published	8(6): p.836	June 2019	5.68
313.	Au/Cu ₂ O Core/Shell Nanostructures with Efficient Photoresponses	Gul Naz, Mustaffa Shamsuddin, Faheem Butt, Sadia Bajwa, Waheed Khan, Muhammad Irfan, Masooma Irfan	Chinese Journal of Physics	Published	59:307-316	June 2019	1.051
314.	Catalytic ozonation for the treatment of municipal wastewater by iron loaded zeolite A	Amir Ikhlaha, Mehwish Anisa, Farhan Javedb, Hafsa Ghania, Hafiz Muhammad Shahzad Munir, Kashif Ijaz	Desalination and Water Treatment	Published	152: 108-115	June 2019	1.3
315.	Multifunctionality of magnetoelectrically coupled Ni/Cr co-doped BiFeO ₃ multiferroics.	Shahid Atiq, Adyan Fatima, Mahvish Khalid, Ali Hassan, Ghulam M Mustafa, Saadat A Siddiqi, Shahzad Naseem	Journal of Alloys and Compounds	Published	789: 400-408	June 2019	3.8
316.	Photodynamic-based therapeutic modalities to fight against cancer – A review from synergistic viewpoint	Muhammad Rizwan Tahir Rasheed Ali Raza Muhammad Bilal Rosiyah Yahya Muhammad Yar, Hafiz M.N.Iqbal	Journal of Drug Delivery Science and Technology	Published	51 70-82	June 2019	2.297
317.	Nano MnO ₂ immobilized covalently cross-linked chitosan and PVA based highly flexible membranes	Yar, Muhammad ; Masood, Aneeqa; Batool, Razia; Shahzadi, Lubna; Khan, Ather Farooq; Yousaf, Zunaira; Rafique, Yasir; Razaq, Aamir	Materials Research Express	Published	6: number 8	May 2019	1.151
318.	Extraction of valuable chemicals from sustainable rice husk waste using ultrasonic assisted ionic liquids technology	Ullah Z, Man Z, Khan AS, Muhammad N, Mahmood H, Ghanem OB, Ahmad P, Shah MU, Raheel M.	Journal of cleaner production	Published	220:620-629	May 2019	6.395
319.	Chitosan-Collagen 3D Matrix Mimics Trabecular Bone and Regulates RANKL-Mediated Paracrine Cues of Differentiated Osteoblast and Mesenchymal Stem Cells for Bone Marrow Macrophage-Derived Osteoclastogenesis	Elango, Jeevithan, Kandasamy Saravanakumar, Saeed Ur Rahman, Yves Henrotin, Joe M. Regenstein, Wenhui Wu, and Bin Bao	Biomolecules	Published	9(5), p.173	May 2019	4.69
320.	Incidence and Management of Cleft Lip and Palate in Pakistan.	Faiza Sharif, Farrukh Mahmood, Muhammad Jamil Azhar, Anila Asif, Muhammad Zahid, Nawshad Muhammad, Ihtesham Ur Rehman, Sheila MacNeil	Journal of Pakistan Medical Association	Published	59(5)	May 2019	0.718
321.	Preparation of cellulosic Ag-nanocomposites using an ionic liquids	Z. Tayyab, S. Z. Safi, A. Rahim, A. S. Khan, F. Sharif, Z. U. H. Khan, F. Rehman, Z. Ullah, J. Iqbal, N. Muhammad,	Journal of Biomaterials Science, Polymer Edition	Published	30 (9), 785–796,	April 2019	2.121
322.	A nanocomposite prepared from magnetite nanoparticles, polyaniline and carboxy-modified graphene oxide for non-enzymatic sensing of glucose	Muhammad Asim Akhtar, Razia Batool, Akhtar Hayat, Sara Riaz, Shifa Ullah Khan, Muhammad Nasir, Mian Hasnain Nawaz	Microchimica Acta	Published	186(5): 267	April 2019	5.7

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323.	Identification of 1,2,4-triazoles as new thymidine phosphorylase inhibitors: Future anti-tumor drugs	Sohail Anjum Shahzad, Muhammad Yar, Zulfiqar Ali Khanc Lubna Shahzadi Syed Ali Raza Naqvic Adeem Mahmood Sami Ullaha Ahson Jabbar Shaikha Tauqir Ali Sherazia Adebayo Tajudeen Balea Jędrzej Kukułowicze Marek Bajdae	Bioorganic Chemistry	Published	85:209-220	April 2019	3.9
324.	Improved electrical, dielectric and magnetic properties of Al-Sm co-doped NiFe ₂ O ₄ spinel ferrites nanoparticles	H. S. Aziz, R. A. Khan, F. Shah, B. Ismail, J. Nisar, S. M. Shah, A. Rahim, A. R. Khan	Materials Science and Engineering B	Published	243: 47-53	April 2019	3.316
325.	Surface-grafted remedial hydroxyapatite nanoparticles to avoid operational infections	Faiza Zarif, Sobia Tabassum*, Arshad Jamal, Urooj Gul, Mazhar Amjad Gilani, Faiza Sharif, Saba Zahid, Anila Asif, Aqif Anwar Chaudhry, Ihtesham ur Rehman	Monatshefte für Chemie - Chemical Monthly	Published	150(4): 605-615	April 2019	1.3
326.	Bioresorbable Antibacterial PCL-PLA-nHA Composite Membranes for Oral and Maxillofacial Defects	Faiza Sharif, Sobia Tabassum*, Waleed Mustafa, Anila Asif, Faiza Zarif, Muhammad Tariq, Saadat A. Siddiqui, Mazhar A. Gilani, Ihtesham Ur Rehman, Sheila MacNeil,	Polymer Composites	Published	40(4), 1564-1575	April 2019	2.3
327.	Enhanced Surface Properties of Hydroxyapatite by Grafting Tartaric Acid for Sustained Release of Moxifloxacin	Faiza Zarif, Faiza Sharif, Madeeha Batool, Ammar Haider, Urooj Gul, Mazhar A. Gilani, Ayesha Idrees, Sobia Tabassum*	Chemistry select	Published	4(14): 4105-4111	April 2019	1.5
328.	Electrospun Microbial-Encapsulated Composite-Based Plasticized Seed Coat for Rhizosphere Stabilization and Sustainable Production of Canola (Brassica napus L.)	Zahid Hussain, Muhammad Ali Khan, Farasat Iqbal, Muhammad Raffi, Fauzia Yusuf Hafeez	J.Agric. Food Chem.	Published	67185085-5095	April 2019	3.57
329.	Controllably Biodegradable Hydroxyapatite Nanostructures for Cefazolin Delivery against Antibacterial Resistance	Muhammad Usman Munir*, Ayesha Ihsan*, Ibrahim Javed, M. Tayyab Ansari, Sadia Z. Bajwa, Syed Nasir Abbas Bukhari, Arsalan Ahmed, M. Zubair Malik, Waheed S. Khan*	ACS Omega	Published	4 (4) 7524-7532	April 2019	2.584
330.	Effect of nano-zinc oxide and fluoride-doped bioactive glass-based dentifrices on esthetic restorations	Alsubaie AA, Sarfraz Z, Alali AA, Alessa AE, Subaie HAA, Shah AT, Khan AS.	Dental Medical Problems	Published	56(1):59-65	March 2019	0.13
331.	Exploration of 2-deoxy-D-ribose and 17 β -Estradiol as alternatives to exogenous VEGF to promote angiogenesis in tissue-engineered constructs	Dikici, Serkan, Naşide Mangır, Frederik Claeysens, Muhammad Yar, and Sheila MacNeil	Regenerative medicine	Published	14(no 3): 179-197	March 2019	2.383
332.	Effects of Maillard reaction on physicochemical and functional properties of walnut protein isolate	Sahibzada Fahim Ullah, Nasir Mehmood Khan, Farman Ali, Shujaat Ahmad, Zia Ullah Khan, Noor Rehman, Abdul Khaliq Jan, Nawshad Muhammad	Food Science and Biotechnology	Published	pp 1-9	March 2019	0.7
333.	Greener synthesis of zinc oxide nanoparticles using Trianthema portulacastrum extract and evaluation	Khan ZU, Sadiq HM, Shah NS, Khan AU, Muhammad N, Hassan SU, Tahir	Journal of Photochemistry	Published	192:147-157	March 2019	4.067

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	of its photocatalytic and biological applications	K, Sher Zaman safi, Khan FU, Imran M, Ahmad N, Ullah F.	and Photobiology B: Biology				
334.	Boron for tissue regeneration-it's loading into chitosan/collagen hydrogels and testing on chorioallantoic membrane to study the effect on angiogenesis	Samreen Ahtzaz, Tayyaba Sher Waris, Lubna Shahzadi, Aqif Anwar Chaudhry, Ihtesham Ur Rehman, Muhammad Yar	International Journal of Polymeric Materials and Polymeric Biomaterials	Published	22:1-10	March 2019	2.127
335.	Functionalized Graphene Oxide Bridging Between Enzyme and Au Sputtered Screen Printed Interface for Glucose Detection	Muhammad Asim Akhtar, Razia Batool, Akhtar Hayat, DongXue Han, Sara Riaz, Shifa Ullah Khan, Muhammad Nasir, Mian Hasnain Nawaz, Li Niu	ACS Applied Nanomaterials	Published	2(3):1589-1596	March 2019	indexed
336.	Phosphonium-Based Hydrophobic Ionic Liquids with Fluorous Anions for Biodiesel Production from Waste Cooking Oil	Z. Ullah, M. A. Bustam, Z. Man, A. S. Khan, A. Sarwono, N. Muhammad, M. Farooq, S. N. Shah, P. Ahmad, S. Haider,	International Journal of Environmental Science and Technology	Published	16(3):1269-1276	March 2019	1.91
337.	Bi-layered α -tocopherol acetate loaded membranes for potential wound healing and skin regeneration	Hamad Khalid, Saba Zahid, Fakhra Ikram, Haffsah Iqbal, Muhammad Samie, Lubna Shahzadi, Asma Tufail Shah, Muhammad Yar, Aqif Anwar Chaudhry, Sana Awan, Ather Farooq Khan, Ihtesham Rehman	Materials Science & Engineering C	Published	101:438-447	March 2019	5.01
338.	Chitosan based hybrid materials used for wound healing applications- A short review	Zulfiqar Ali Khan, Shahrin Jamil, Amna Akhtar, Muhammad Mustehsan Bashir & Muhammad Yar	International Journal of Polymeric Materials and Polymeric Biomaterials	Published	1-18	March 2019	2.127
339.	Development of an Impedimetric Aptasensor for Label Free Detection of Patulin in Apple Juice	Reem Khan, Sondes Ben Aissa, Tauqir A Sherazi, Gaele Catanante, Akhtar Hayat, Jean Louis Marty	Molecules	published	24 (6): 1017	March 2019	3
340.	Comparative characterization of the hydrogel added PLA/ β -TCP scaffolds produced by 3D bioprinting.	Mehmet Onur Aydogdu, Ebru Toksoy Oner, Nazmi Ekren, Gokce Erdemir, Serap Erdem Kuruca, Esra Yuca Muge, Sennaroglu Bostan, Mehmet S. Eroglu, Fakhra Ikram, Muhammet Uzun, Oguzhan Gunduz.	Bioprinting	Published	13: e00046	March 2019	2.6
341.	A Review of the Construction of Nano-Hybrids for Electrochemical Biosensing of Glucose	Razia Batool, Amina Rhouati, Mian Hasnain Nawaz, Akhtar Hayat, Jean Louis Marty	Biosensors	Published	9(1):46	March 2019	2.1
342.	Facile green synthesis of 3D nano-pyramids Cu/Carbon hybrid sensor electrode materials for simultaneous monitoring of phenolic compounds	Waseem Abbasa, Naeem Akhtar, Qingle Liu, Tengfei Li Imran Zada, Lulu Yao, Raheela Naz, Wang Zhanga, Muhammad Ehsan Mazhar, Di Zhang Dongling MadJia	Sensors and Actuators B: Chemical	Published	282: 617-625	March 2019	5.66
343.	Lignin and Lignin Based Materials for the Removal of Heavy Metals from Waste Water-An Overview	Ayesha Naseer, Anum Jamshaid, Almas Hamid, Nawshad Muhammad, Moinuddin Ghauri, Jibrán Iqbal*,	International journal of research in physical	Published	233(3):315-45	March 2019	1.144

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		Sikander Rafiq, Shahzad khuram and Noor Samad Shah	chemistry and chemical physics				
344.	Solanum Xanthocarpum plant as a potential low cost adsorbent for the removal of Methylene Blue from aqueous solutions	Muhammad Iqbal Zaman, Siffat Ullah Khan, Aysha Shahnaz, Abdul Niaz, Sadullah Khan, Nawshad Muhammad, Matiullah Khan and Khizar Hussain	Environmental Progress & Sustainable Energy	Published	38(s1):S66-S175	March 2019	1.3
345.	Fabrication and performance evaluation of blood compatible hemodialysis membrane using carboxylic multiwall carbon nanotubes and low molecular weight polyvinylpyrrolidone based nanocomposites	Muhammad Irfan, Masooma Irfan, Ani Idris, Nadeem Baig. Tawfik A. Saleh, Rozita Nasiri, Younas Iqbal, Nawshad Muhammad, Fozia Rehman, Hamad Khalid	Journal of Biomedical Materials Research	Published	107(3):513-525	March 2019	3.231
346.	Carbon-dot wrapped ZnO nanoparticle-based photoelectrochemical sensor for selective monitoring of H ₂ O ₂ released from cancer cells	Faria Khan, Naeem Akhtar, Nasir Jalal, Irshad Hussain Rafal Szmigielski, Muhammad Qasim Hayat, Hafiz B. Ahmad, Waleed A. El-Said, Minghui Yang, Hussnain Ahmed Janjua	Microchimica Acta	Published	186:127	Feb 2019	5.7
347.	Study of Thermo-elastic and Lattice Dynamics Properties of Half Heusler Compounds XMgAl (X=Li, Na) by Computational Investigations	A. Afaq, Abu Bakar, M. Rizwan, and Anila Asif	Modern Physics letter B	Published	33:No. 8 (1950093)	Feb 2019	0.731
348.	Synthesis and characterization of immobilized 1-(1,3-diphenyl-5-hydroxy-1 <i>H</i> -pyrazol-4-yl) ethanone on silica gel and its use for aqueous heavy metal removal	Farah Suhail, Madeeha Batool, Muhammad Imran Din, Misbahul Ain Khan, Khurshid Ayub, Sobia Tabassum, Asma Tufail Shah	Desalination and Water Treatment,	Published	142:213-224,	Feb 2019	1.3
349.	2-deoxy-D-ribose and 17 β -Estradiol as alternatives to VEGF to promote angiogenesis in tissue engineered constructs	Serkan Dikici, Naşide Mangır Frederik Claeysens, Muhammad Yar, Sheila MacNeil.	Regenerative Medicine	Published	14(3)	Feb 2019	2.8
350.	Fabrication, In Vitro and In Vivo Studies of Bilayer Composite Membrane for Periodontal Guided Tissue Regeneration	Saba Zahid, Abdul Samad Khan, Aqif Anwar Chaudhry, Sarah Ghafoor, Qurat Ul Ain, Ahtasham Raza, Muhammad Imran Rahim, Oliver Goerke, Ihtesham Ur Rehman, Asma Tufail shah	Journal of Biomaterials Applications	Published	33(7): 967-978	Feb 2019	2.76
351.	Enhancement of Electrical and Magnetic Properties of cobalt ferrite nanoparticles by co-substitution of Li-Cd ions	Saadia Rasheed , Razaqat Ali Khan , Faheem Shah , Bushra Ismail, Jan Nisar, Syed Mujtaba Shah, Abdur Rahim, Abdur Rahman Khan	Journal of Magnetism and Magnetic Materials	Published	471: 236241	Feb 2019	3.046
352.	Keggin type butterfly core phosphate-bridged poly-nuclear copper (II) complex photo/bi-functional electro-catalytic material	Shifa Ullah Khan, Jing Du, Yuanyuan Ma, Mansoor Akhtar, Mian Hassnain Nawaz, Jun Peng, Sihang Cheng, Yingnan Zhao, Yangguang Li	Inorganic Chemistry Communications	Published	100, Pages 21-26	Feb 2019	1.8
353.	Recent concepts in biodegradable polymers for tissue engineering paradigms: a critical review	N.Iqbal, A.S.Khan, A. Asif, M.Yar, J.W Haycock, I.U.Rehman	International Materials Reviews	Published	64(2): 91-126	Feb 2019	8

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354.	In-Vitro Investigation of Graphene Oxide Reinforced Bioactive Glass Nanoparticles	Kanwal Ilyas; Saba Zahid; Aqif Anwar Chaudhry; Arshad Jamal; Farasat Iqbal; Mian Hasnain Nawaz; Oliver Goerke; Ihtesham ur Rehman	Journal of Non-Crystalline Solids	Published	505: 122-130	Feb 2019	2.488
355.	Hydroxyl and sulfate radical mediated degradation of ciprofloxacin using nano zerovalent manganese catalyzed S2O8 ²⁻	Shah, Noor S., Javed Ali Khan, Murtaza Sayed, Zia Ul Haq Khan, Hafiz Sajid Ali, Behzad Murtaza, Hasan M. Khan, Muhammad Imran, and Nawshad Muhammad	Chemical Engineering Journal	Published	356:199-209	Jan 2019	8.355
356.	A highly sensitive electrochemical immunosensor for zearalenone using screen-printed disposable electrodes	Goud, K. Yugender, V. Sunil Kumar, Akhtar Hayat, K. Vengatajalabathy Gobi, Hocheol Song, Ki-Hyun Kim, and Jean Louis Marty	Journal of Electroanalytical Chemistry	Published	832:336-342	Jan 2019	3.218
357.	eIF2 alpha Phosphorylation alleviate UVA-induced HO-1 expression in mouse epidermal cells	Fangfang Xue, ShiDa Chen Bian ChunXiang, Muhammad Farrukh Nisar ,Yong Liu , Lina Whittle,yuancai xiang ,Yiguo Zhang Qingchun Diao, Mao Lin , Julia Li Zhong	Free Radical research	Published	52(11-12): 1359-1370	Jan 2019	3.188
358.	Co3O4 nanostructures on flexible carbon cloth for crystal plane effect of nonenzymatic electrocatalysis for glucose	Li Niu Jianan Xu, Fenghua Li, Dandan Wang, Mian Hasnain Nawaz, Qingbo An, Dongxue Han	Biosensors and Bioelectronics	Published	123, 25-29	Jan 2019	8.173
359.	Facile CO2 Separation in Composite Membranes	Sidra Saqib, Sikander Rafiq , Muhammad Chawla , Muhammad Saeed, Nawshad Muhammad, Shahzad Khurram, Khaliq Majeed, Asim Laeeq Khan, Moinuddin Ghauri, Farrukh Jamil, Muhammad Aslam	Chemical Engineering Technology	Published	42(1): 30-44	Jan 2019	1.6
360.	Optimization of ionic liquid assisted sugar conversion and nanofiltration membrane separation for 5-hydroxymethylfurfural	Ariyanti Sarwono, Zakaria Mana, Alamin Idrisa, Amir Sada Khana, Nawshad Muhammad, Cecilia Devi Wilfred	Journal of Industrial and Engineering Chemistry	Published	69: 171-178	Jan 2019	4.8
361.	Hydrothermal deposition of high strength calcium phosphate coatings on magnesium alloy for biomedical applications	Asif Ali, Farasat Iqbal, Akhlaq Ahmad, Fakhera Ikram, Anaum Nawaz, Aqif Anwar Chaudhry, Saadat Anwar Siddiqi, Ihtesham ur Rehman	Surface and Coatings Technology	Published	357: 716-727	Jan 2019	2.906
362.	COSMO-RS predictions, hydrogen bond basicity values and experimental evaluation of amino acid-based ionic liquids for lignocellulosic biomass dissolution Journal of Molecular Liquids	Jibran Iqbal, Nawshad Muhammad, Abdur Rahim, Amir Sada Khan, Girma Gonfa, Pervaiz Ahmad	Journal of Molecular Liquids	Published	273: 215-221	Jan 2019	4.5
363.	Biomass Power Generation Potential and Utilization in Pakistan	Muhammad Ghaffar Doggar, M. Shahzad Khurram, Saima Mirza, Moinuddin Ghauri, Farrukh Jamil, Nawshad Muhammad*, Sikandar Rafiq, Mujtaba Hussain Jaffery	Current Organic Chemistry	e-Published	DOI : 10.2174/1385272822666180820143707	2018	2.1

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364.	Beta Adrenergic Receptors Stimulation Attenuates Phosphorylation of NF- κ B and I κ B α in Hyperglycemic Endothelial Cells	Sher Zaman Safi, Humaira Shah, Rajes Qvist, Priya Bindal, Marzida Mansor, GOS Yan, ISB Ismail	. Cellular Physiology and Biochemistry	Published	51:1429–1436	Dec 2018	5.6
365.	A mechanistic classification of clinical phenotypes in neuroblastoma	Sandra Ackermann, Maria Cartolano, Barbara Hero, Anne Welte, Yvonne Kahlert, Andrea Roderwieser, Christoph Bartenhagen, Esther Walter, Judith Gecht, Laura Kerschke, Ruth Volland, Roopika Menon, Johannes M. Heuckmann, Moritz Gartlgruber, Sabine Hartlieb, Kai-Oliver Henrich, Konstantin Okonechnikov, Janine Altmüller, Peter Nürnberg, Steve Lefever, Bram de Wilde, Frederik Sand, Fakhera Ikram, et al.	Science	Published	362(641907): 1165-1170	Dec 2018	37.205
366.	Design of Gravel-Sand-Filter for arsenic removal: A case study of Muzaffargarh district in Pakistan	Yasir Abbas, Sahresh Majeed, Shafqat Sli, Hafiz Badaruddin Ahmad, Naeem Akhtar, Hiroshi Yokota	Water Environment Research	Published	90(12): 2106-2113	Dec 2018	1.34
367.	Phytochemical and Pharmacological Properties of Chaenomeles speciosa: An Edible Medicinal Chinese Mugua	Weifeng Huang, Junwei He, Muhammad Farrukh Nisar, Hongshui Li, and Chunpeng Wan	Evidence-Based Complementary and Alternative Medicine	Published	2018: Article ID 9591845	Dec 2018	2.064
368.	Recent progress in the utilization of biosynthesized polyhydroxyalkanoates for biomedical applications – Review	Fatima Imran Butt, Nawshad Muhammad, Almas Hamid Muhammad Moniruzzaman, FaizaSharif	International Journal of Biological Macromolecules	Published	120 PartA: 1294-1305	Dec 2018	3.9
369.	Fabrication of biocompatible nanocarbonated hydroxyapatite/polymer spongy scaffolds	Saadat Anwar Siddiqi, Usaid Azhar, Faisal Manzoor, Arshad Jamal, Muhammad Tariq, Murtaza Saleem, Aqif Anwar Chaudhry, Ihtesham Ur Rehman	Digest Journal of Nanomaterials and Biostructures	Published	Vol. 13, No. 2, p. 439 - 450	2018	0.673
370.	Decomposition-adsorption-deposition: An effective and novel technique for synthesis of hexagonal boron nitride microsheets	Pervaiz Ahmad, Mayeen Uddin Khandaker, Nawshad Muhammad, IftikharAhmad, M. Abdul Rauf Khan, Ayaz Ari fKhan, Ghulamullah Khan, Amir Sada Khan, Zahoor Ullah, Fida Rehman, Syed Muzamil Ahmed, Hazrat Ali, Muhammad Abdur Rehman, Mubashar Gulzar, Javed Iqbal, Syed Tawab Shah, Sohail Ahmed, Muhammad Shafiq	Materials Science in Semiconductor Processing	Published	88: 161-166	Dec 2018	2.6
371.	Development of K-doped ZnO nanoparticles encapsulated crosslinked chitosan based new membranes to stimulate angiogenesis in tissue engineered skin grafts	Lubna Shahzadi, Aqif Anwar Chaudhry, Abdur Raheem Aleem, Muhammad Hamza Malik, Kashif Ijaz, Hafsah Akhtar, Farah Alvi, Ather Farooq Khan, Ihtesham Ur Rehman, Muhammad Yar	International Journal of Biological Macromolecules	Published	120 Part A, 721–728	Dec 2018	3.909
372.	Solar light driven degradation of norfloxacin using as-synthesized Bi ³⁺ and Fe ²⁺ co-doped ZnO with the	Noor S.Shah Javed Ali Khan Murtaza Sayed, Zia Ul Haq Khan, Allah Ditta Rizwan, Nawshad Muhammad	Chemical Engineering Journal	Published	351:841-855	Nov 2018	6.7

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	addition of HSO ₅ ⁻ : Toxicities and degradation pathways investigation						
373.	Chemical Components and Biological Activities of the Genus <i>Phyllanthus</i> : A Review of the Recent Literature	Muhammad Farrukh Nisar, Junwei He, Arsalan Ahmed, Youxin Yang, Mingxi Li, Chunpeng Wan	Molecules	Published	23, 2567	Oct 2018	3.06
374.	Aptamer-based assays and aptasensors for detection of pathogenic bacteria in food samples	Marjan Majdinasab, Akhtar Hayat, Jean Louis Marty	TrAC Trends in Analytical Chemistry	Published	107:60-77	Oct 2018	7.034
375.	Bacterial adaptability of enzyme and pH dual-responsive surface for infection resistance	Xianghong Wang, Lingjie Song, Jie Zhao, Rongtao Zhou, Shifang Luan, Yubin Huang, Jinghua Yin, Ather Farooq Khan	Mater. Chem. B	Published	6, 7710-7718	Oct 2018	4.776
376.	Polypyrrole entrapped 18-molybdodisulphate anion for the detection of hydrogen peroxide	Mustansara Yaqub, James Walsh, Fathima Laffir, Paula Olstoom, Lekshmi Kailas, Robert Forster, Tia E Keyes, Mikhail Vagin, Timothy McCormac	Electrochimica Acta	Published	287, 78-86	Oct 2018	5.11
377.	A perspective on non-enzymatic electrochemical nanosensors for direct detection of pesticides	A Rhouati, M Majdinasab, A Hayat	Current Opinion in Electrochemistry	Published	11: 12-18	Oct 2018	
378.	Electrospun nanofibers and spin coated films prepared from side-chain copolymers with chemically bounded platinum (II) porphyrin moieties for oxygen sensing and pressure sensitive paints	Muhammad Akram, Zhipeng Mei, Jiayan Shi, Jiayue Wen, Hamad Khalid, Jiapei Jiang, Yanhong Tian, Yanqing Tian	Talanta	Published	188:124-134	Oct 2018	3.545
379.	Sol-gel derived fluoride-doped bioactive glass powders: Structural and longterm fluoride release/pH analysis	Hashmat Gul, Saba Zahid, Shahreen Zahid, Muhammad Kaleem, Abdul S. Khan, Asma T. Shah	Journal of Non-Crystalline Solids	Published	498, 216-222	Oct 2018	2.48
380.	Hydrocarbonaceous fuel upgradation in the presence of modified bi-functional catalyst	Muhammad Chawla, Sikander Rafiq, Farrukh Jamil, Muhammad Shahzad Khurram, Nawshad Muhammad	Journal of Cleaner Production	Published	198, 683-692	Oct 2018	6.395
381.	Effect of zeolite surface modification with ionic liquid [APTMS][Ac] on gas separation performance of mixed matrix membranes	Ayesha Ilyas, Nawshad Muhammad, Mazhar Gilani, I.F.J Vankelecom, Asim Laeeq Khan	Separation and Purification Technology	Published	205, 176-183	Oct 2018	3.9
382.	Design of a portable luminescence bio-tool for on-site analysis of heavy metals in water samples	Rupesh K Mishra, Amina Rhouati, Diana Bueno, Muhammad Waqas Anwar, Shakir Ahmad Shahid, Vinay Sharma, Jean Louis Marty, Akhtar Hayat	International Journal of Environmental Analytical Chemistry	Published	98 (12): 1081-1094	Sep 2018	1.372
383.	Eu-Doped Ceria Nanocrystals as Nanoenzyme Fluorescent Probes for Biosensing	Ali Othman, Akhtar Hayat, Silvana Andreescu	ACS Applied Nano Materials	Published	1(10): 5722-5735	Sep 2018	ISI index

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384.	Development of a disposable electrochemical sensor for detection of cholesterol using differential pulse voltammetry	Nawaz, M. A. H.; Majdinasab, M.; Latif, U.; Nasir, M.; Gokce, G.; Anwar, M. W.; Hayat, A	J. Pharm. Biomed. Anal	Published	159, 398-405	Sep 2018	2.831
385.	Label-free Electrochemical Sensor to Investigate the Effect of Tocopherol on Generation of Superoxide Following UV Irradiation	Gao LX, CX Bian, Muhammad Farrukh Nisar, SD Chen, CM Li, L Yu, P Ji, EY Huang, JL Zhong.	Journal of Biological Engineering	Published	12(1): 17	Sep 2018	3.66
386.	Pyridinium based ionic liquid: A pretreatment solvent and reaction medium for catalytic conversion of cellulose to total reducing sugars (TRS)	Saliha Saher, Haris Saleem, Azmat Mehmood Asim, Maliha Uroos, Nawshad Muhammad	Journal of Molecular Liquids	Published	272:330-336	Sep 2018	4.5
387.	A review on ionic liquids as perspective catalysts in transesterification of different feedstock oil into biodiesel	Zahoor Ullah, Amir Sada Khan, Nawshad Muhammad, Ali S. Alqahtani, Syed Nasir Shah, Ouahid Ben Ghanem, Mohamad Azmi Bustam, Zakaria Man	Journal of Molecular Liquids	Published	266, 673-686	Sep 2018	4.5
388.	Alkyd paint removal: Ionic Liquid vs volatile organic compound (VOC)	Ariyanti Sarwono, Zakaria Man, Alamin Idris, Tan Hua Nee, Nawshad Muhammad	journal of Progress in Organic Coatings POC	Published	122: 79-87	Sep 2018	2.9
389.	MicroRNA Let-7b inhibits keratinocytes differentiation by targeting IL-6 in psoriasis	Wu Y, L Liu, CX Bian, Muhammad Farrukh Nisar, XY Hu, XM Jiang, Jörg W. Bartsch, MJ Zhong, QC Diaoy, JL Zhong	Cell Communication and Signaling	Published	16(0): 58 pp.	Sep 2018	5.325
390.	Synthetic modifications of chitin and chitosan as multipurpose biopolymers: A review	Muhammad Aamir Sajid, Sohail Anjum Shahzad, Fatima Hussain, W. G. Skene, Zulfiqar Ali Khan & Muhammad Yar	Synthetic Communications	Published	48:15,1893-1908	Aug 2018	1.06
391.	Hydroxypropylmethyl cellulose (HPMC) crosslinked chitosan (CH) based scaffolds containing bioactive glass (BG) and zinc oxide (ZnO) for alveolar bone repair	Rabia Zeeshan, Zeeshan Mutahir, Haffsah Iqbal, Moazzam Ali, Farasat Iqbal, Kashif Ijaz, Faiza Sharif, Asma Tufail Shah, Aqif Anwar Chaudhry, Muhammad Yar, Shifang Luan, Ather Farooq Khan, Ihtesham-ur-Rehman	Carbohydrate Polymers	Published	193:9-18	Aug 2018	4.811
392.	Association of Interleukin 10 (IL-10) Gene with Type 2 Diabetes Mellitus by Single Nucleotide Polymorphism of Its Promotor Region G/A 1082	Shagufta Naz, Nida Shafique, Saima Sharif, Farkhanda Manzoor, Sher Zaman Saifi, Sabika Firasat, Haiba Kaul	Critical Review in Eukaryot Gene Expression	Published	30(4):285-289	July 2020	1.8
393.	Microwave Assisted Synthesis and Evaluation of Type 1 Collagen-Apatite Composites for Dental Tissue Regeneration	Iyas, Kanwal, Saba W. Qureshi, Sadia Afzal, Roquyya Gul, Muhammad Yar, Muhammad Kaleem, and Abdul S. Khan.	J Biomaterials Applications	Published	48:15,1893-1908	July 2018	1.06
394.	Development of Amoxicillin-Loaded Electrospun Polyurethane/Chitosan/ β -Tricalcium Phosphate Scaffold for Bone Tissue Regeneration	Topsakal, Aysenur, Muhammet Uzun, Gaye Ugar, Aslihan Ozcan, Esra Altun, Faik Nuzhet Oktar, Fakhera Ikram, Ozan Ozkan, Hilal Turkoglu Sasmazel, and Oguzhan Gunduz	IEEE transactions on nanobioscience	Published	17(3): 321-328	July 2018	2.158

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395.	Nanoscale and Macroscale Scaffolds with Controlled-Release Polymeric Systems for Dental Craniomaxillofacial Tissue Engineering	Saeed Ur Rahman, Malvika Nagrath, Sasikumar Ponnusamy, Praveen R. Arany	Materials	Published	11(8), 1478	July 2018	2.46
396.	Single-Step Fabrication of Visible-Light-Active ZnO-GaN:ZnO Branched Nanowire Arrays as Photoanode for Efficient Water Splitting	Yasir Abbas, Zareen Zuhra, Naeem Akhtar, Shafqat Ali	ACS Applied Energy Materials	Published	1 (8), pp 3529–3536	July 2018	Pending
397.	Microwave Assisted Synthesis and Evaluation of Type 1 Collagen- Apatite Composites for Dental Tissue Regeneration	K. Ilyas, S. Qureshi, S. Afzal, R. Gul, M. Yar, M. Kaleem, A.S. Khan	Journal of Biomaterials Applications JBA	Published	33(1): 103-115	July 2018	2.31
398.	Toxicities, kinetics and degradation pathways investigation of ciprofloxacin degradation using iron-mediated H ₂ O ₂ based advanced oxidation processes	Noor S. Shah, Allah Ditta Rizwan, Javed Ali Khan, Murtaza Sayed, Zia Ul Haq Khan, Behzad Murtaza, Nawshad Muhammad	Process Safety and Environmental Protection	Published	117:473-482	July 2018	2.91
399.	Design of a novel filter paper based construct for rapid analysis of acetone	S Rauf, Y Ali, S Hussain, F Ullah, A Hayat	PloS one	Published	13 (7): e0199978	July 2018	2.8
400.	A miniaturized electronic sensor for instant monitoring of ethanol in gasohol fuel blends	Irshad, M.; Mujahid, A.; Afzal, A.; Bajwa, S. Z.; Hussain, T.; Latif, U.; Athar, M. M.,	RSC Advances	Published	8, (41), 22952-22962	June 2018	2.936
401.	A novel heme oxygenase-1 splice variant, 14kDa HO-1, promotes cell proliferation and increases relative telomere length.	Bian CX, MJ Zhong, Muhammad Farrukh Nisar, Y Wu, MY Ouyang, Jörg W. Bartsch, JL Zhong	Biochemical and Biophysical Research Communications	Published	500(2): 429-434	June 2018	2.466
402.	Highly efficient catalytic degradation of low-density polyethylene Using a novel tungstophosphoric acid/kaolin clay composite catalyst	Saira Attique, Madeeh Batool, Muhammad Irfan Jalees, Khurram Shehzad, Umar Farooq, Zakir Khan, Fawad Ashraf, Asma Tufail Shah	Turkish Journal of Chemistry	Published	42, 686-693	June 2018	1.29
403.	Swelling mechanism of urea cross-linked starch-lignin films in water	Sarwono A, Man Z, Bustam MA, Subbarao D, Idris A, Muhammad N, Khan AS, Ullah Z	Environmental technology	Published	39(12):1522-1532	June 2018	1.751
404.	Fabrication of highly stable silver nanoparticles with shape-dependent electrochemical efficacy	Muhammad Waqas, Anam Zulfiqar, Hafiz Badar ud din Ahmad, Naeem Akhtar, Mazhar Hussain, Zahid Shafiq, Yasir Abbas, Khalid Mehmood, Muhammad Ajmal, Minghui Yangg	Electrochimica Acta	Published	271:641-651	May 2018	4.79
405.	Organo-bridged Silsesquioxane incorporated Mesoporous silica as a carrier for the Controlled delivery of Ibuprofen and Fluorouracil	Fozia Rehman, Khalid Ahmed, Abdur Rahim, Nawshad Muhammad, Sarah Tariq, Usaid Azhar, Asif Jamal Khan, Zaibus Samad, Pedro L.O.Volpe, ClaudioAiroldi	Journal of Molecular Liquids	Published	258:319-326	May 2018	3.47
406.	Triphenylvinyl anthracene based emitter for non-doped blue light emitting devices with unusual emission behavior	Amjad Islama, Dongdong Zhang, Khurram Usman, Ahmad Hassan Siddique, Abdul Ghafar Wattoo, Hamad Khalid, Xinhua Ouyang, Lian Duan, Ziyi Ge	Optical Materials	Published	79:8-11	May 2018	2.238
407.	Development of biocomposites from coir fibre and poly (caprolactone) by solvent casting technique	Obasi, H.C, Chaudhry, A.A, Ijaz. K, Akhtar. H, Malik, M.H.	Polymer Bulletin	Published	75, 5, 1775-1787	May,2018	1.430

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408.	Probing the interactions between DNA nucleotides and biocompatible liquids: COSMO-RS and molecular simulation study	Gonfa, Girma, Nawshad Muhammad, and Mohamad Azmi	Separation and Purification Technology	Published	196:237-243	May 2018	3.299
409.	Efficacy of Rebamipide in Organic and Functional Dyspepsia: A Systematic Review and Meta-Analysis	Mohamed Hasif Jaafar, Sher Zaman Safi, Maw-Pin Tan, Sanjay Rampal, Sanjiv Mahadeva	Digestive diseases and sciences	Published	63(5): 1250-1260	May 2018	2.875
410.	One step growth of electro-assisted BSA functionalized screen-printed carbon interface with improved antifouling characteristics	Mian Hasnain Nawaz, Gaele Catanante, Jean Louis Marty, Akhtar Hayat	Journal of Electroanalytical Chemistry	Published	816: 107-113	May 2018	3.012
411.	Designed Strategies for Fluorescence-Based Biosensors for the Detection of Mycotoxins	Atul Sharma, Reem Khan, Gaele Catanante, Tauqir A Sherazi, Sunil Bhand, Akhtar Hayat, Jean Louis Marty	Toxins	Published	10(5):197	May 2018	3.03
412.	Biocompatibility through Cell Attachment and Cell Proliferation Studies of Nylon 6/Chitosan/Ha Electrospun Mats	Lubna Shahzadi, Rabia Zeeshan, Muhammad Yar, Aqif Anwar Chaudhry, Ather Farooq Khan, Nawshad Muhammad	Journal of Polymers and the Environment	Published	26, 5, 2030-2038	May 2018	1.877
413.	Synthesis of antibacterial poly(o-chloroaniline)/chromium hybrid composites with enhanced electrical conductivity	Mirza Nadeem Ahmad, Fakher Rafique, Faisal Nawaz, Tahir Farooq, Muhammad Naveed Anjum, Tajamal Hussain, Sajjad Hassan, Madeeha Batool, Hamad Khalid and Khurram Shehzad	Chemistry Central Journal	Published	12(1):46	April 2018	2.442
414.	Development of a portable and disposable NS1 based electrochemical immunosensor for early diagnosis of dengue virus	Mian Hasnain Nawaz, Akhtar Hayat, Gaele Catanante, Usman Latif, Jean Louis Marty	Analytica Chimica Acta	Published	1026:1-7	April 2018	4.95
415.	Ionic liquid coated iron nanoparticles are promising peroxidase mimics for optical determination of H ₂ O ₂ .	Zarif F, Rauf S, Qureshi MZ, Shah NS, Hayat A, Muhammad N, Rahim A, Nawaz MH, Nasir M	Microchimica Acta	Published	185(6):302	April. 2018	4.58
416.	Electrochemical Sensor for The Determination of Ketoconazole Based on Gold Nanoparticles Modified Carbon Paste Electrode	T. A. Saleh, K.M.M. AlAqad, A. Rahim	Journal of Molecular Liquids	Published	256: 39-48	April 2018	3.648
417.	Synthesis of novel organo-soluble, biocompatible and anti-bacterial chitosan derivative for biomedical applications	Rizwan, M., Yahya, R., Hassan, A., Yar, M., Anita Omar, R., Azari, P., Danial Azzahari, A., Selvanathan, V., Rageh Al-Maleki, A. and Venkatraman, G.	Journal of Applied Polymer Science	Published	135(9):4590-5	March 2018	1.86
418.	Ion-Imprinted Polymer-Based Receptors for Sensitive and Selective Detection of Mercury Ions in Aqueous Environment	Maimoona Yasinzai, Ghulam Mustafa, Nazia Asghar, Ikram Ullah, Peter A. Lieberzeit, Muhammad Zahid, and Usman Latif	Journal of Sensors	Published	2018	March 2018	1.704

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419.	FTIR Analysis of Natural and Synthetic Collagen	T. Riaz, R. Zeshan, K. Ilyas, F. Zarif, A. Rahim, S. Z. Safi, N. Muhammad, I. U. Rehman,	Journal of applied spectroscopy review	Published	53 (9): 703-746	March 2018	4.254
420.	A Potential Solvent for Preparation of Collagen-Alginate-Hydroxyapatite Beads as Bone Filler	Bushra Iqbal, Zenab Sarfaraz, Nawshad Muhammad, Pervaiz Ahmad, Jibran Iqbal, Zia Ul Haq Khan, Girma Gonfa, Farasat Iqbal, Arshad Jamal & Abdur Rahim	Journal of Biomaterials Science, Polymer Edition	Published	29(10):1168-1184	March 2018	2.158
421.	Conductometric Sensor for PAH detection with Molecularly Imprinted Polymer as Recognition Layer	Usman Latif, Liu Ping, Franz L. Dickert	Sensors	Published	18(3), 767	March 2018	2.677
422.	Fabrication of layered Al-silicate Magadiites for the Removal of reactive dyes from Textile effluents	K. Ahmed, F. Rehman, C. T.G.V.M.T. Pires, A. Rahim, M. Yamin, A. J. Khan, C. Airoidi,	Journal of Desalination and Water Treatment	Published	104: 159-168	Feb 2018	1.66
423.	Efficient Conversion of Lignocellulosic Biomass to Levulinic Acid Using Acidic Ionic Liquids	Amir Sada Khan, Zakaria Man, Mohamad A Bustam, Chong F Kait, Nawshad Muhammad	Carbohydrates Polymer	Published	181, 208-214	Feb 2018	5.2
424.	Ionic Liquid as A Potential Solvent for Preparation of Collagen-Alginate-Hydroxyapatite Beads as Bone Filler	B. Iqbal, Z.Sarfaraz, N.Muhammad, P. Ahmad, J. Iqbal, ZUH Khan, G.Gonfa, F. Iqbal, A. Jamal, A .Rahim	J Biomater Sci Polym Ed	Published	29(10): 1168-1184	Feb 2018	1.9
425.	Effect of extraction methods on structural, physiochemical and functional properties of dietary fiber from defatted walnut flour	Gul Mali Khan, Nasir Mehmood Khan, Zia Ullah Khan, Farman Ali, Abdul Khaliq Jan, Nawshad Muhammad & Rizwan Elahi	Food Science and Biotechnology	Published	1-8	Feb 2018	0.7
426.	Synthesis of cubic Ag@ AgCl and Ag@ AgBr plasmonic photocatalysts and comparison of their photocatalytic activity for degradation of methyl orange and 2, 4-dichlorophenol	Qiaoying Li, Shunzhou Chang, Di Wu, Shenyuan Bao, Cuiyun Zeng, Muhammad Nasir, Baozhu Tian, Jinlong Zhang	Research on Chemical Intermediates	Published	1-11	Feb 2018	1.369
427.	Phytochemical composition, biological potential and enzyme inhibition activity of Scandix pecten-veneris L.	Abdul Wahab, Syed Aleem Jan, Abdur Rauf, Zia ur REHMAN, Zahid Khan, Aftab Ahmed, Fatima Syed, Sher Zaman Safi, Hamayun Khan, Muhammad Imran	Journal of Zhejiang University- SCIENCE B	Published	19 (2), 120-129	Feb 2018	1.6
428.	In situ immobilization of CuO on SiO ₂ /graphite matrix, modified with benzimidazolium-1-acatate ionic liquid: application as catechol sensor	B. Khalid, A. Rahim, M. A. Gilani,N. Muhammad, S. Tabassum, A.Rehman, A.Alharati	Journal of Molecular Liquids	Published	251: 450-457	Feb 2018	3.68
429.	Nano-silver: new ageless and versatile biomedical therapeutic scaffold	S. U. Khan, T. A Saleh, A. Wahab, M. H. U. Khan, D. Khan, W. U. Khan, A. Rahim, S. Kamal, F. U. Khan, S. Fahad,	International Journal of Nanomedicine	Published	13:733-762	Feb 2018	4.33
430.	Magnesium diboride (MgB ₂): An effective and novel precursor for the synthesis of vertically aligned BNNTs	Ahmad, P., Khandaker, M.U., Muhammad, N., Rehman, F., Khan, G., Khan, A.S., Ullah, Z., Rehman, M.A., Ahmed, S., Gulzar, M. and Din, I.U.	Materials Research Bulletin	Published	98:235-239	Feb 2018	2.446
431.	UVA irradiation enhances Brusatol mediated inhibition of melanoma growth by downregulation of the Nrf2-mediated antioxidant response	Mei Wang, Guangwei Shi, Chunxiang Bian, Muhammad Farrukh Nisar, Yingying Guo, Yan Wu, Wei Li, Xiao Huang, Xuemei Jiang, Jörg W. Bartsch, Ping Ji, Julia Li Zhong	Oxidative Medicine and Cellular Longevity	Published	2018	Feb 2018	4.593

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432.	DNA assay based on Nanoceria as Fluorescence Quenchers (NanoCeraCQ DNA assay)	Gonca Bülbül, Akhtar Hayat, Fatima Mustafa, Silvana Andreescu	Scientific Report	published	8(1) 2426	Feb 2018	4.25
433.	Identification of anti-cancer potential of doxazocin: loading into chitosan based biodegradable hydrogels for on-site delivery to treat cervical cancer	Arshad Jamal, Lubna Shahzadi, Samreen Ahtzaz, Saba Zahid, Aqif Anwar Chaudhry, Ihtesham Rehman, Muhammad Yar.	Materials Science & Engineering C	Published	82 : 102-109	Jan 2018	4.164
434.	Highly selective and ecofriendly colorimetric method for the detection of iodide using green tea synthesized silver nanoparticles	A. Niaz A. Bibia, Huma, M. I. Zaman M. Khan ,Abdur Rahim	Journal of Molecular Liquids	Published	249,1047–1051	Jan 2018	3.648
435.	Dicationic ionic liquids as sustainable approach for direct conversion of cellulose to levulinic acid	Khan, Amir Sada, Zakaria Man, Mohammad Azmi Bustam, Chong Fai Kait, Asma Nasrullah, Zahoor Ullah, Ariyanti Sarwono, Pervaiz Ahamd, and Nawshad Muhammad	Journal of Cleaner Production	Published	17 : 591-600	Jan 2018	6.395
436.	Carboxylic group riched graphene oxide based disposable electrochemical immunosensor for cancer biomarker detection	Sajid Rauf, Geetesh K Mishra, Jahanzaib Azhar, Rupesh K Mishra, K Yugender Goud, Muhammad Azhar Hayat Nawaz, Jean Louis Marty, Akhtar Hayat	Analytical Biochemistry	Published	5 45 13-19	Jan 2018	2.219
437.	Advantages of Carbon Nanomaterials in Electrochemical Aptasensors for Food Analysis	Alina Vasilescu, Akhtar Hayat, Szilveszter Gáspár, Jean-Louis Marty	Electroanalysis	published	30(1):2-19	Jan 2018	2.85
438.	Photoinduced discharge of electrons stored in a TiO ₂ -MWCNT composite to an analyte: Application to the fluorometric determination of hydrogen peroxide, glucose and aflatoxin B1	Amina Rhouati, Muhammad Nasir, Jean Louis Marty, Akhtar Hayat	Microchimica Acta	Published	185:26	Jan 2018	4.58
439.	Acid catalysed synthesis of bioactive glass by evaporation induced self assembly method	Asma Tufail Shah, Qurat ul Ain, Aqif Anwar Chaudhry, Sana Ahmad, Faiza Zarif, Saadat Anwar Siddiqi, Saad bin Qasim, Oliver Görke, Abdul Samad Khan, Ihtesham ur Rehman	Journal of Non-Crystalline Solids	Published	479 (1):1-8	Jan 2018	2.124
440.	Copper Doped Al ₁₂ N ₁₂ Nano-cages: Potential Candidates for Nonlinear Optical Materials	Mazhar Amjad Gilani, Sobia Tabassum, Urooj Gul, Tariq Mahmood, Abdulrahman I. Alharthi, Mshari A. Alotaibi Mohammed Geesi, Rizwan Sheikh, Khurshid Ayub	Applied Physics A	Published	124:14	Jan 2018	1.445
441.	New natural product -an efficient antimicrobial applications of new newly synthesized pyrimidine derivatives by the electrochemical oxidation of hydroxyl phenol in the presence of 2-mercapto-6-(trifluoromethyl) pyrimidine-4-ol as nucleophile.	Khan ZUH, Khan A, Wan P, Khan AU, Tahir K, Muhammad N, Khan FU, Shah HU, Khan ZU	Natural Product Research	Published	32(10):1161-1169	2018	1.828
442.	Thermophysical properties and ecotoxicity of new nitrile functionalised protic ionic liquids	Khan, Amir Sada, Asma Nasrullah, Zahoor Ullah, A. H. Bhat, Ouahid Ben Ghanem, Nawshad Muhammad, Mamoon Ur Rashid, and Zakaria Man	Journal of Molecular Liquids	Published	249:583-590	Jan 2018	3.648

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443.	Organocatalyzed and mechanochemical solvent-free synthesis of novel and functionalized bis-biphenyl substituted thiazolidinones as potent tyrosinase inhibitors: SAR and molecular modeling studies	Mutahir, S., Khan, M.A., Khan, I.U., Yar, M., Ashraf, M., Tariq, S., Ye, R.L. and Zhou, B.J.	European Journal of Medicinal Chemistry	Published	134:406-414	2017	4.5
444.	Deoxy-sugar releasing biodegradable hydrogels promote angiogenesis and stimulate wound healing	Muhammad Yar, Lubna Shahzadi, Azra Mehmood, Muhammad Imran Raheem, Sabiniano Román, Aqif Anwar Chaudhry, Ihtesham ur Rehman, C.W. Ian Douglas, Sheila MacNeil	Materials Today Communication	Published	13, 295–305	Dec 2017	0.718
445.	Chitosan/ hydroxyapatite (HA)/hydroxypropylmethyl cellulose (HPMC) spongy scaffolds-Synthesis and evaluation as potential alveolar bone substitutes	Haffsah Iqbal, Moazzam Ali, Rabia Zeeshan, Zeeshan Mutahir, Farasat Iqbal, Muhammad Azhar Hayat Nawaz, Lubna Shahzadi, Aqif Anwar Chaudhry, Muhammad Yar, Shifang Luan, Ather Farooq Khan, Ihtesham-ur-Rehman	Colloids and Surfaces B: Biointerfaces	Published	160, 553–563	Dec 2017	3.887
446.	Molecular docking and glucosidase inhibition studies of novel N-arylthiazole-2-amines and Ethyl 2-[aryl (thiazol-2-yl) amino] acetates	Ayesha Babar, Muhammad Yar, Hamadeh Tarazi, Vera Duarte, Mohammed B Alshammari, Mazhar Amjad Gilani, Haffsah Iqbal, Munawwar Ali Munawwar, Maria J Alves, Ather Farooq Khan	Medicinal Chemistry Research	Published	26(12): 3447-3261	Dec 2017	1.8
447.	A non-enzymatic glucose sensor based on CuO-nanostructure modified carbon ceramic electrode	Abdur Rahim, Zia Ur Rehman, Sadullah Mir, , Fozia Rehman, Mian Hasnain Nawaz, MustansaraYaqub, Saadat Anwar Siddiqi, Aqif Anwar Chaudhry	Journal of Molecular Liquids	Published	248, 425-431	Dec 2017	3.647
448.	Supported protic ionic liquid membrane based on 3-(trimethoxysilyl) propan-1-aminium acetate for the highly selective separation of CO ₂	Ilyas, Ayesha, Nawshad Muhammad, Mazhar Amjad Gilani, Khurshid Ayub, Ivo FJ Vankelecom, and Asim Laeeq Khan	Membrane Science	Published	543: 301-309	Dec 2017	6.035
449.	Preparation and kinetics study of biodiesel production from waste cooking oil using new functionalized ionic liquids as catalysts	Ullah, Zahoor, M. Azmi Bustam, Zakaria Man, Amir Sada Khan, Nawshad Muhammad, and Ariyanti Sarwono	Renewable Energy	Published	114 Part B: 755-765	Dec 2017	4.357
450.	Enzyme-mimicking polymer brush-functionalized surface for combating biomaterial-associated infections	Rujian Jiang, Zhirong Xin, Shiai Xu, Hengchong Shi, Huawei Yang, Lingjie Song, Shunjie Yan, Shifang Luan, Jinghua Yin, Ather Farooq Khan, Yonggang Li	Applied Surface Science	Published	423: 869-880	Nov 2017	3.2
451.	Desquamation takes center stage at the origin of proliferative inflammatory atrophy, epithelial–mesenchymal transition, and stromal growth in benign prostate hyperplasia	Danilo Ferrucci, Manoel F. Biancardi, Umar Nishan, Rafaela Rosa-Ribeiro, and Hernandes F. Carvalho	Cell Biology International	Published	41(11): 1265-1270	Nov 2017	1.83
452.	Aptamer-based zearalenone assay based on the use of a fluorescein label and a functional graphene oxide as a quencher	K. Y.Goud, A. Hayat, M. Satyanarayana, V. S.Kumar, G. Catanante K. Vengatajalabathy Gobi, J. L. Marty	Microchimica Acta	Published	184(11): 4401–4408	Nov 2017	4.580
453.	Temperature-Responsive Hierarchical Polymer Brushes Switching from Bactericidal to Cell Repellency	Xianghong Wang, Shunjie Yan, Lingjie Song, Hengchong Shi, Huawei Yang, Shifang Luan, Yubin	ACS Appl. Mater. Interface	Published	9 (46): pp 40930–40939	Nov 2017	7.5

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		Huang , Jinghua Yin, Ather Farooq Khan, and Jie Zhao					
454.	Fabrication and in vivo evaluation of hydroxyapatite/carbon nanotube electrospun fibers for biomedical/dental application	A.S. Khan , A.N.Hussain, L. Sidra, Z. Sarfraz, H. Khalid, M. Khan, F. Manzoor, L. Shahzadi, M. Yar, I.U. Rehman	Materials Science and Engineering C	Published	80: 387–396	Nov 2017	4.164
455.	Development of ethanolamine-based ionic liquid membranes for efficient CO ₂ /CH ₄ separation	Rashid Ur Rehman, Sikander Rafiq, Nawshad Muhammad, Asim Laeeq Khan, Asif Ur Rehman, Liu TingTing, Muhammad Saeed, Farrukh Jamil, Moinuddin Ghauri, Xuehong Gu	Applied Polymer Science	Published	134(44): 45395	Nov 2017	1.6
456.	Photo catalytic applications of gold nanoparticles synthesized by green route and electrochemical degradation of phenolic Azo dyes using AuNPs/GC as modified paste electrode	Khan, Zia Ul Haq, Amjad Khan, Yongmei Chen, Arif ullah Khan, Noor S. Shah, Nawshad Muhammad, Behzad Murtaza, Kamran Tahir, Faheem Ullah Khan, and Pingyu Wan	Journal of Alloys and Compounds	Published	725: 869-876	Nov 2017	3.133
457.	Thyroxin releasing chitosan/collagen based smart hydrogels to stimulate neovascularization	Abdur Raheem Aleem, Lubna Shahzadi, Farah Alvi, Ather Farooq Khan, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Muhammad Yar.	Material & Design	Published	135: 416-425	Nov 2017	4.364
458.	Biomimetic nitrogen doped titania nanoparticles as a colorimetric platform for hydrogen peroxide detection	Muhammad Nasir, Sajid Rauf, Nawshad Muhammad, Mian Hasnain Nawaz, Aqif Anwar Chaudhry, Muhammad Hamza Malik, Shakir Ahmad Shahid, Akhtar Hayat	Colloid and Interface Science	Published	505: 1147-1157	Nov 2017	4.233
459.	Nano-Aptasensing in Mycotoxin Analysis: Recent Updates and Progress	Amina Rhouati, Gonca Bulbul, Usman Latif, Akhtar Hayat, Zhan-Hong Li and Jean Louis Marty	Toxins	Published	9(11):349	28 October 2017	3.03
460.	Biomass gasification for energy generation: parametric investigation on continuous updraft Gasifier	Abid Farooq, M. Shahzad Khurram, Sikander Rafiq, Sheeraz Ahmed Memon, Moinuddin Ghauri, Khurram Shahzad, Mujtaba Jaffery, M. Ghaffar Doggar, Nawshad Muhammad,	Journal of Engineering Technology	Published	6:352-360	Oct 2017	0.7
461.	Modern biotechnology-based therapeutic approaches against HIV infection	Muhammad Imran, Yasir Waheed, Ayesha Ghazal, Sajjad Ullah, Sher Zaman Safi, Muhsin Jamal, Muhammad Ali, Muhammad Atif, Farman Ullah	Biomedical reports	Published	504-507	October 2017	
462.	Functionalized graphene oxide– polypyrrole–chitosan (fGO–PPy–CS) modified screen-printed electrodes for non-enzymatic hydrogen peroxide detection	Muhammad Asim Akhtar, Akhtar Hayat, Naseer Iqbal, Jean Louis Marty, Mian Hasnain Nawaz	Journal of Nanoparticle Research	Published	19(10):334.	October 2017	2.020
463.	A study on the effect of zinc oxide and zinc peroxide nanoparticles to enhance angiogenesis-pro-angiogenic grafts for tissue regeneration applications	Ahtzaz S, Nasir M, Shahzadi L, Amir W, Anjum A, Arshad R, Iqbal F, Chaudhry AA, Yar M, ur Rehman I	Materials & Design	Published	132:409-418	Oct 2017	4.3
464.	Protic ionic liquids as a versatile modulator and stabilizer in regulating artificial peroxidase activity of carbon	Sajid Rauf, Muhammad Azhar Hayat Nawaz, Nawshad Muhammad,	Journal of Molecular Liquids	Published	243: 333-340	Oct. 2017	3.64

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	materials for glucose colorimetric sensing	Rizwan Raza, Shakir Ahmad Shahid, Jean Louis Marty, and Akhtar Hayat					
465.	An application of ionic liquid for preparation of homogeneous collagen and alginate hydrogels for skin dressing	B. Iqbal, N. Muhammad, Arshad Jamal, P. Ahmad, Z. U. Haq, A. Rahim, A. S. Khan, , J. Iqbal, I. Ur Rehman	Journal of Molecular Liquids	Published	243, 720-725	Oct. 2017	3.64
466.	Ionic liquids pretreatment for fabrication of agro-residue/thermoplastic starch based composites: A comparative study with other pretreatment technologies	Hamayoun Mahmood, Muhammad Moniruzzmana ,Suzana Yusup, Nawshad Muhammad, Tanveer Iqbal, Hazizan Md Akil	Cleaner Production	Published	161:257-266	Sep 2017	6.395
467.	Fabrication and characterization of ZnO/MnO ₂ and ZnO/TiO ₂ flexible nanocomposites for energy storage applications	M. Yasir Rafiq, Faisal Iqbal, Fawad Aslam, Muhammad Bilal, Naeem Munir, I. Sultana, Fawad Ashraf, Faisal Manzoor, Najmul Hassan, Aamir Razaq	Journal of Alloys and Compounds	Published	729: 1072-1078	September 2017	3.133
468.	The pyrolysis kinetics of the conversion of Malaysian kaolin to metakaolin	M.I. Khan,H. U. Khan, K. A. S. Sufian, Z. Man, A. A, N. Muhammad, M.Faiz ur Rehman	Applied Clay Science	Published	146, 152-161	September, 2017	3.1
469.	Prevalence of hepatitis C in people who inject drugs in the cities of Rawalpindi and Islamabad, Pakistan.	Yasir Waheed, Muzammil Hasan Najmi, Hafsa Aziz, Hasnain Waheed, Muhammad Imran, Sher Zaman Safi.	Biomedical reports	Published	7(3):263-266	September 2017	
470.	A Detail Description on Catalytic Conversion of Waste Palm Cooking Oil into Biodiesel and Its Derivatives: New Functionalized Ionic Liquid Process	Ullah, Z., Bustam, M.A., Man, Z., Khan, A.S., Muhammad, N., Sarwono, A., Farooq, M., Ullah, R. and Mengal, A.N.	Chemistry Select	Published	2(27): 8583-8595	September 2017	5.771
471.	Kinetics of glucocorticoid exposure in developing zebrafish: a tracer study	Peter Steenbergen, Nabila Bardine, Faiza Sharif	Chemosphere	Published	183:147-155	Sep 2017	4.1
472.	The pyrolysis kinetics of the conversion of Malaysian kaolin to metakaolin	M. Irfan Khan, Hafeez Ullah Khan, Khairun Azizli, Suriati Sufian, Zakaria Man, Ahmer Ali Siyal, Nawshad Muhammad, M. Faiz ur Rehman	Applied Clay Science	Published	146:152-161	Sep 2017	3.101
473.	Prediction of promiscuous T cell epitopes in RNA dependent RNA polymerase of Chikungunya virus	Yasir Waheed, Sher Zaman Safi, Muzammil Hasan Najmi, Hafsa Aziz, Muhammad Imran.	Asian Pacific journal of tropical medicine	Published	10(8): 760-764	August 2017	0.925
474.	An overview on recent progress in electrochemical biosensors for antimicrobial drug residues in animal-derived food	M. Majdinasab, M. Yaqub, A. Rahim, G. Catanante, A. Hayat, J. L. Marty,	Sensors	Published	17 (9): 1947	August 2017	2.67
475.	Efficient removal of methylene blue dye using mangosteen peel waste: kinetics, isotherms and artificial neural network (ANN) modeling	Asma Nasrullah, A.H. Bhat, Mohamed Hasnain Isa, Mohammed Danish, Abdul Naeem, Nawshad Muhammad, Taimur Khan	Desalination and Water Treatment	Published	86:191-202	Aug 2017	1.631
476.	Controlled synthesis of anisotropic hexagonal boron nitride nano-web	Ahmad, P., Khandaker, M.U., Shah, S.T., Rehman, F., Khan, G., Muhammad, N., Rehman, M.A.,	Materials Science in Semiconductor Processing	Published	66:44-49	August 2017	2.359

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		Khan, A.S., Ahmed, S.M., Gulzar, M. and Numan, A.					
477.	Cancer metastasis - tricks of the trade.	Rabia Zeeshan , Zeeshan Mutahir	Bosn. J Basic Med Sci.	Published	17(3):172-182	August 2017	0.906
478.	Cellulose-based Materials for the Removal of Heavy Metals from Wastewater – An Overview	Anum Jamshaid, Almas Hamid, Nawshad Muhammad, Ayesha Naseer, Moinuddin Ghauri, Jibran Iqbal, Sikander Rafiq, Noor Samad Shah	ChemBioEng Reviews	Published	4(4): 240-256	August 2017	
479.	Effect of Structural Variations on the Thermophysical Properties of Protic Ionic Liquids: Insights from Experimental and Computational Studies	Khan, A.S., Man, Z., Bustam, M.A., Gonfa, G., Chong, F.K., Ullah, Z., Nasrullah, A., Sarwono, A., Ahmad, P. and Muhammad, N.	Journal of Chemical & Engineering Data	Published	62 (10): 2993–3003	Aug 2017	2.045
480.	Electrospinning of graphene-oxide onto screen printed electrodes for heavy metal biosensor	Rupesh K. Mishra, Mian Hasnain Nawaz, Akhtar Hayat, Muhammad Azhar Hayat Nawaz, Vinay Sharma, Jean-Louis Marty	Sensors and Actuators B: Chemicals	Published	247:363-373	August 2017	4.758
481.	Biomedical applications of green synthesized Nobel metal nanoparticles	Zia Ul Haq Khan, Amjad Khan, Yongmei Chen, Noor S. Shah, Nawshad Muhammad, Arif Ullah Khan, Kamran Tahir, Faheem Ullah Khan, Behzad Murtaza, Sadaf Ul Hassan, Saeed Ahmad Qaisrani, Pingyu Wan	Photochemistry and Photobiology B: Biology	Published	173:150-164	August 2017	2.24
482.	An electrochemical aptasensor based on functionalized graphene oxide assisted electrocatalytic signal amplification of methylene blue for aflatoxin B1 detection	Goud, K. Yugender, Akhtar Hayat, Gaëlle Catanante, M. Satyanarayana, K. Vengatajalabathy Gobi, and Jean Louis Marty	Electrochimica Acta	Published	244: 96-103	August 2017	4.798
483.	A new approach of probe sonication assisted ionic liquid conversion of glucose, cellulose and biomass into 5-hydroxymethylfurfural	Sarwono, A., Man, Z., Muhammad, N., Khan, A.S., Hamzah, W.S.W., Rahim, A.H.A., Ullah, Z. and Wilfred, C.D.	Ultrasonics Sonochemistry	Published	37: 310-319	July 2017	4.218
484.	Electrical impedance functionality and spin orientation transformation of nanostructured Sr-substituted BaMnO3 hexagonal perovskites	Abbas, S.K, Aslam, M.A., Amir, M, Atiq, S. Email Author, Ahmed, Z, Siddiqi, S.A Naseem, S.	Journal of Alloys and Compounds	Published	712, 25, 720-731	July 2017	3.13
485.	Catalase-imprinted Fe ₃ O ₄ /Fe@fibrous SiO ₂ /polydopamine nanoparticles: An integrated nanoplatform of magnetic targeting, magnetic resonance imaging, and dual-mode cancer therapy	Jinxing Chen , Kun Zeng , Mozhen Wang, Anila Asif , and Xuewu Ge	Nano Research	Published	10(7): 2351–2363	July 2017	8.893
486.	Electrical impedance functionality and spin orientation transformation of nanostructured Sr-substituted BaMnO3 hexagonal perovskites	S. Kumail Abbas, M. Adnan Aslam, Muhammad Amir, Shahid Atiq, Zahoor Ahmed, Saadat A. Siddiqi, Shahzad Naseem	J. Alloys and Compounds	Published	712: 720-731	July 2017	3.014

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487.	Removal efficiency and economic cost comparison of hydrated electron-mediated reductive pathways for treatment of bromate	Shah Nawaz, Noor S. Shah, Javed Ali Khan, Murtaza Sayed, Ala'a H. Al-Muhtaseb, Henrik Rasmus Andersen, Nawshad Muhammad, Behzad Murtaza, Hasan M. Khan	Chemical Engineering Journal	Published	320:523-531	July 2017	6.216
488.	Effect of task specific thiocyanate based ionic liquids on relative volatility of cyclohexane and benzene azeotropic mixture	GirmaGonfa, Mohamad AzmiBustam, Nawshad Muhammad, Sami Ullah	Molecular Liquids	Published	238:208-214	July 2017	3.648
489.	Low temperature synthesis and properties of BiFeO ₃ .	Asad Feroze, M. Idrees,Deok-Kee Kim, Muhammad Nadeem, Saadat A. Siddiqi,Saleem F. Shaukat, M. Atif, M. Siddique	Journal of Electronic Materials	Published	46 (7): 4582–4589	July 2017	1.491
490.	Disposable and portable aptamer functionalized impedimetric sensor for detection of kanamycin residue in milk sample	Sharma, Atul, Georges Istamboulie, Akhtar Hayat, Gaëlle Catanante, Sunil Bhand, and Jean Louis Marty	Sensors and Actuators B: Chemical	Published	245: 507-515	June 2017	5.401
491.	Hepatitis B and C Virus Infections Among Human Immunodeficiency Virus-Infected People Who Inject Drugs in Lahore, Pakistan	Mansha S, Imran M, Shah AMUH, Jamal M, Ahmed F, Atif M, Saleem M, Safi SZ, Fatima Z, Bilal Waqar A.	Viral Immunol	Published	30(5):366-370	June 2017	1.513
492.	Synthesis of multilayered hexagonal boron nitride microcrystals as a potential hydrogen storage element	Ahmad, P., Khandaker, M.U., Muhammad, N., Rehman, F., Khan, G., Rehman, M.A., Ahmed, S.M., Gulzar, M., Numan, A. and Khan, A.S	Ceramics International	Published	43(9): 7358-7361	June 2017	2.986
493.	Synthesis of nZVI@reduced graphene oxide: an efficient catalyst for degradation of 1,1,1-trichloroethane (TCA) in percarbonate system	Usman Farooq, Muhammad Danish, Shuguang Lu, Muhammmad Naqvi, Xiaogang Gu, Xiaro Fu, Xiang Zhang, Muhammad Nasir	Research on Chemical Intermediates	Published	43(5) 3219–3236	May 2017	1.369
494.	Heparin binding chitosan derivatives for production of proangiogenic hydrogels for promoting tissue healing	Muhammad Yar, Sohail Shahzad, Lubna Shahzadi, Sohail Anjum Shahzad, Nasir Mahmood, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Sheila MacNeil	Materials Science & Engineering C	Published	74:347-356	May 2017	3.420
495.	Investigation of ionic liquids as a pretreatment solvent for extraction of collagen biopolymer from waste fish scales using COSMO-RS and Experiment	Nawshad Muhammad, Girma Gonf, Abdur Rahim, Pervaiz Ahmad, Farasat Iqbal, Faiza Sharif, Amir Sada Khan, Farman Ullah Khan, Zia UL Haq Khan, Fozia Rehman	Journal of Molecular Liquids	Published	232: 258–264	April 2017	2.7
496.	Visible-light-induced Fe-Doped ZnO Magnetic Photocatalyst nanoparticles for degradation of methylene blue	Yousaf, M, Rafique, H. M., Amin, M, Ramay, SM, Atiq, S, Alzayed, NS, Siddiqi, SA	Digest Journal of Nanomaterials & Biostructures	Published	12 (1) :91-98	April 2017	0.756
497.	Fabrication of antibacterial electrospun nanofibers with vancomycin-carbon nanotube via ultrasonication assistance	Chunmei Liu, HengchongShi, Huawei Yang, , Shunjie Yan, Shifang Luan,	Materials and Design	Published	120: 128–134	April 2017	3.99

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		Yuchao Li, Mouyong Teng, Ather Farooq Khan, Jinghua Yin					
498.	Chitosan modified by γ -ray- induced grafting of poly(tributyl-(4-vinylbenzyl)phosphonium) as a biosafe and high-efficiency gene carrier	Kun Zeng, Juan Xie, Mo-zhen Wang, Ye-zi You, Anila Asif and Xue-wu Ge	New Journal of Chemistry	Published	41, 4182-4189,	April 2017	3.277
499.	A novel colorimetric competitive aptamer assay for lysozyme detection based on superparamagnetic nanobeads	Rupesh K. Mishra, Akhtar Hayat, Geetesh K. Mishra, Gaëlle Catanante, Vinay Sharma, Jean-Louis Marty	Talanta	Published	165:436-441	April 2017	3.545
500.	Monodispersed Polypyrrole Nanoparticle Prepared via γ -Ray Radiolysis of Water: An Efficient Near Infrared Photothermal Agent for Cancer Therapy	J Wang, Z Fang M Wang, Anila Asif, Q Wu, X Zhou, and X Ge	Particle and Particle Systems Characterization	Published	34 (3): 1600430	March 2017	4.367
501.	Simultaneous Enrichment and On-line Detection of Low-Concentration Copper, Cobalt, and Nickel Ions in Water by Near-Infrared Diffuse Reflectance Spectroscopy Combined with Chemometrics	Iqbal, Jibrán, Du, Yiping Howari, Fares, Bataineh, Mahmoud Muhammad, Nawshad , Rahim, Abdur	Journal of AOAC International	Published	100(2):560-565	March 2017	1.1
502.	Alteration in ocular blood flow (OBF) and its effect on the progression of glaucoma	Sher Zaman Safi , Mamoona Noreen, Muhammad Imran, Yasir Waheed, Muhammad Imran, Amir Miraj Ul Hussain Shah, Nawshad Muhammad	International Eye Science-IES	Published	17(3):394-398	Mar 2017	
503.	Differential magnesium implant corrosion coat formation and contribution to bone bonding: Magnesium implant bone bonding	Imran Rahim M, Weizbauer A, Evertz F, Hoffmann A, Rohde M, Glasmacher B, Windhagen H, Gross G, Seitz JM, Mueller PP	J Biomed Mater Res A	Published	105(3):697-709	Mar 2017	3.26
504.	Biocompatible, biodegradable polymeric antibacterial nanoparticles for enhancing the effects of the third generation cephalosporin against resistant bacteria	Mushtaq, S., Khan, J.A., Rabbani, F., Latif, U., Arfan, M., Yameen, M.A	Journal of Medical Microbiology	Published	66(3):318-327	March 2017	2.42
505.	Aging Study of the Powdered Magnetite Nanoparticles	Umar Saeed Khan, Abdur Rahim, Nasrullah Khan, Nawshad Muhammad, Fozia Rehman, Khalid Ahmad, Jibrán Iqba	Materials Chemistry and Physics	Published	189:86-89	March 2017	2.101
506.	In vitro modulatory effects of functionalized pyrimidines and piperidine derivatives on Aryl hydrocarbon receptor (AhR) and glucocorticoid receptor (GR) activities	Muhammad Yar, Lubna Shahzadi, Ariba Farooq, Saima Jalil Imran, José P. Cerón-Carrasco, Helena den Haan, Sanjay Kumar, Jorge Peña-García, Horacio Pérez-Sánchez, Aneta Grycov	Bioorganic Chemistry	Published	71:295-293	March 2017	2.25
507.	Stimulation of β -adrenergic receptors plays a protective role via increased expression of RAF-1 and PDX-1 in	Sher Zaman Safi, Rajes Qvist , Gracie Ong, Hamed Karimian, Muhammad Imran, Ikram Shah	Archivers of Medical Sciences	Published	13(2):470-480	Mar 2017	1.81

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508.	Amine bridges grafted mesoporous silica, as a prolonged/controlled drug release system for the enhanced therapeutic effect of short life drugs	Fozia Rehman, Khalid Ahmed, Claudio Airoidi, Simon Gaisford, Asma Buanz, Abdur Rahim, Nawshad Muhammad, Pedro L.O. Volpe	Materials Science and Engineering: C	Published	72(1) :34-41	March 2017	3.4
509.	Recent advances on Ebola virus	Yasir Waheed, Mehreen Tahir, Hasnain Waheed, Sher Zaman Safi	Asian Pac J Trop Dis	Published	7(2):65-67	Feb 2017	1.9
510.	Gravimetric Viral Diagnostics: QCM Based Biosensors for Early Detection of Viruses	Adeel Afzal, Adnan Mujahid, Romana Schirhag, Sadia Zafar Bajwa, Usman Latif, Saima Feroz	Chemosensors	Published	5(1):7	Feb 2017	
511.	Nanomaterial-based biosensors for food contaminant assessment	Rocio B. Dominguez, Akhtar Hayat, Gustavo A. Alonso, Juan M. Gutiérrez, Roberto Muñoz, Jean-Louis Marty	Nanobiosensors	Published	805-839	Feb 2017	
512.	An overview on enzyme-mimicking nanomaterials for use in electrochemical and optical assays	Muhammad Nasir, Mian Hasnain Nawaz, Usman Latif, Mustansara Yaqub, Akhtar Hayat, Abdur Rahim	Microchimica Acta	Published	184(2):323-342	Feb 2017	4.831
513.	RKKY magnetic interactions in chemically synthesized $Zn_{0.95-x}Fe_{0.05}Al_xO$ ($x = 0, 0.03, 0.05, 0.07$) nanocrystallites	Shahid M. Ramay, Murtaza Saleem, Shahid Atiq, Saadat A. Siddiqi, Muhammad Imran, Yousef S. Al-Zeghayera, Abdulrhman S. Al-Awadi, Sajjad Haider, Asif Mahmood	Arabian Journal of Chemistry	Published	10: S1204-S1208	Feb 2017	2.684
514.	Dicationic Imidazolium Based Ionic Liquids: Synthesis and Properties	Amir Sada Khan, Zakaria Man, Annie Arvina, Mohammad Azmi Bustam, Asma Nasrullah, Zahoor Ullah, Ariyanti Sarwono, Nawshad Muhammad	Journal of Molecular Liquids	Published	227: 98-105	Feb 2017	2.74
515.	Doxorubicin-loaded platelets as a smart drug delivery system: An improved therapy for lymphoma	Peipei Xu, Huaqin Zuo, Bing Chen, Ruju Wang, Arsalan Ahmed, Yong Hu, Jian Ouyang	Scientific Reports	Published	7: 42632.	February 2017	5.228
516.	Poly (ethylene oxide) tethered porphyrin: Synthesis, self-assembly with fullerene (C60) and DNA binding studies	Muhammad Asim Akhtar, Sara Riaz, Akhtar Hayat, Muhammad Nasir, Nawshad Muhammad, Abdur Rahim, Mian Hasnain Nawaz	Journal of Molecular Liquids	Published	225, 235-239	Jan 2017	2.7
517.	New biorecognition molecules in biosensors for the detection of toxins	Ingrid Bazine, Scherrine Teria, Akhtar Hayat, Jean Louis Marty	Biosensors and Bioelectronics	Published	87:285-298	15 Jan 2017	7.47
518.	Vibrational spectroscopy of selective dental restorative materials	Abdul S. Khan, Hina Khalid, Zenab Sarfraz, Maria Khan, Jibran Iqbal, Nawshad Muhammad, Muhammad A Fareed, Ihtesham Ur Rehman	Applied Spectroscopy Review	Published	52(6):507-540	2017	4.6

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519.	Organic Solvents Transport Through Alkali-Treated Agro-waste Microfibre Incorporated with Low Density Polyethylene Composites	Henry Chinedu Obasi ¹ , Simeon Nwanonenyi , Innocent Eze , Ihuoma Chukwujike, Chioma Anyiam, Felix Aguele, Kashif Ijaz	American Journal of Polymer Science and Technology	Published	3(4): 50-63	2017	
520.	Recent Advances in Electrochemical-Based Sensing Platforms for Aflatoxins Detection	Atul Sharma, Kotagiri Yugender Goud, Akhtar Hayat , Sunil Bhand- Jean Louis Marty	Chemosensors	Published	5(1):1	Dec 2016	
521.	Liquid-Liquid extraction of aromatics and sulfur compounds from base oil using ionic liquids	Hassan M.J. Al Kaisy, Mohamad Ibrahim Abdul Mutalib, Mohamad Azmi Bustam, Jean-Marc Leveque, Nawshad Muhammad	Journal of Environmental Chemical Engineering	Published	4(4), 4786-4793	Dec 2016	
522.	Origin of magnetic and dielectric response in single phase nano crystalline BiFeO ₃	Asad Feroze, Muhammad Idrees, Muhammad Nadeem, Saadat A. Siddiqi, Murtaza Saleem, Muhammad Atif, Muhammad Siddique and Saleem F. Shaukat	Material Research Express	Published	3(12)	Dec 2016	0.968
523.	Label-Free Aptasensors for the Detection of Mycotoxins	Amina Rhouati, Gaelle Catanante, Gilvanda Nunes, Akhtar Hayat, Jean-Louis Marty	Sensors	Published	16(12), 2178	Dec 2016	2.033
524.	Effect of the carbon nanotube size dispersity on the electrical properties and pressure sensing of the polymer composites	Khurram Shehzad, Tajamal Hussain, Asma Tufail Shah, Adnan Mujahid, Mirza Nadeem Ahmad, Rizwan ur Rahman, Sagar Tauseef Anwar, Syed Nasir, Ayaz Ali	Journal of Materials Science	Published	51(24), 11014–11020	Dec 2016	2.302
525.	Aluminum doped mesoporous silica SBA-15 for the removal of remazol yellow dye from water	K. Ahmed, F. Rehman, C.T.G.V.M.T. Pires, A. Rahim, A. L. Santos, C. Airoidi	Microporous and Mesoporous Materials	Published	236, 167-175, 2016	Dec. 2016	3.35
526.	Electrochemical Affinity Biosensors Based on Disposable Screen-Printed Electrodes for Detection of Food Allergens	Vasilescu A, Nunes G, Hayat A, Latif U, Marty JL	Sensors	Published	16(11):1863	Nov 2016	2.033
527.	Synthesis, characterization and physicochemical properties of dual-functional acidic ionic liquids	Zahoor Ullah, M. Azmi Bustam, Zakaria Man, Syed Nasir Shah, Amir Sada Khan, Nawshad Muhammad	Journal of Molecular Liquids	Published	223:81-88	Nov 2016	2.740
528.	Kinetics and thermodynamic parameters of ionic liquid pretreated rubber wood biomass	Amir Sada Khan, Zakaria Man, Mohammad Azmi Bustam, Chong Fai Kait, Zahoor Ullah, Asma Nasrullah, Muhammad Irfan Khan, Girma Gonfa, Pervaiz Ahmad, Nawshad Muhammad	Journal of Molecular Liquids	Published	223:754–762	Nov 2016	2.740

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529.	Nano-engineered biomimetic optical sensors for glucose monitoring in diabetes	Sajid Rauf, Muhammad Azahar Hayat Nawaz, Mihaela Badea, Akhtar Hayat, Jean Louis Marty	Sensors	Published	16 (11): 1931	Nov 2016	2.033
530.	Disposable and portable electrochemical aptasensor for label free detection of aflatoxin B1 in alcoholic beverages	K. Yugender Goud, Gaëlle Catanante, Akhtar Hayat, Satyanarayana M.b, K. Vengatajalabathy Gobib, Jean Louis Marty	Sensors and Actuators B: Chemical	Published	235: 466–473	Nov. 2016	4.758
531.	Protein adsorption capability on polyurethane and modified-polyurethane membrane for periodontal guided tissue regeneration applications	Zeeshan Sheikh, Abdul Samad Khan, Nima Roohpour, Michael Glogauer, Ihtesham u Rehman	Materials Science and Engineering C	Published	68:267-275	Nov. 2016	3.08
532.	Efficient drug delivery system for bone repair by tuning the surface of hydroxyapatite particles	Sobia Tabassum, Saba Zahid, Faiza Zarif, Mazhar Amjad Gilani, Faisal Manzoor, Fozia Rehman, Arshad Jamal, Aqif Anwar Chaudhry, Saadat Anwar Siddiqi and Ihtesham ur Rehman	RSC Adv	Published	107:104969-104978	Oct 2016	3.289
533.	Dental Composites with Calcium / Strontium Phosphates and Polylysine	Piyaphong Panpisut, Saad Liaqat, Eleni Zacharaki, Wendy Xia, Haralampos Petridis, Anne Margaret Young	PLOS ONE	Available online	10.1371/journal.pone.0164653	October 2016	3.234
534.	Mixed Matrix Membranes Based on Polysulfone and Rice Husk Extracted Silica for CO ₂ Separation	Nazim Waheed, Azeem Mushtaq, Sobia Tabassum, Mazhar Amjad Gilani, Ayesha Ilyas, Fawad Ashraf, Younis Jamal, Muhammad Roil Bilad, Asad Ullah Khan, Asim Laeeq Khan	Separation and Purification Technology	Published	170: 122-129	1 Oct 2016	3.299
535.	One Step Assembly of Thin Films of Carbon Nanotubes on Screen Printed Interface for Electrochemical Aptasensing of Breast Cancer Biomarker	Muhammad Azhar Hayat Nawaz, Sajid Rauf, Gaelle Catanante, Mian Hasnain Nawaz, Gilvanda Nunes, Jean Louis Marty, and Akhtar Hayat	Sensors	Published	16(10):1651	October 2016	2.033
536.	Synthesis of hexagonal boron nitride fibers within two hour annealing at 500° C and two hour growth duration at 1000° C	Pervaiz Ahmad, Mayeen Uddin Khandaker, Yusoff Mohd Amin, Nawshad Muhammad, Ghulamullah Khan, Amir Sada Khan, Arshid Numan, Muhammad Abdur Rehman, Syed Muzamil Ahmed, Asif Khan	Ceramics International	Published	42(13):14661-14666	Oct 2016	2.986
537.	Triethyl orthoformate covalently cross-linked chitosan-(poly vinyl) alcohol based biodegradable scaffolds with heparin-binding ability for promoting neovascularisation	Lubna Shahzadi, Saadat Anwar Siddiqi, Muhammad Tariq, Muhammad Yar, Aqif Anwar Chaudhry, Ihtesham ur Rehman and Sheila MacNeil, Arshad Jamal, Saba Zahid	Journal of Biomaterials Applications	Published	31(4): 582-593	Oct 2016	2.197
538.	Portable and low cost fluorescence set-up for in-situ screening of Ochratoxin A	Diana Bueno, Rupesh K. Mishra, Akhtar Hayata, Gaëlle Catanantea, Vinay Sharmad, Roberto Muñozb, Jean-Louis Marty	Talanta	Published	159: 395-400	1 Oct 2016	4.035

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539.	Structural and magnetic phase transition of sol-gel synthesized Cr ₂ O ₃ and MnCr ₂ O ₄ nanoparticles	Adnan Afzal, Shahid Atiq, Murtaza Saleem, Shahid M. Ramay, Shahzad Naseem and Saadat A. Siddiqi	Journal of Sol-gel Science and Technology	Published	80(1): 96-102	Oct 2016	1.53
540.	Enhanced Electrochemical Performance in Al Incorporated Co ₃ O ₄ Based Electrode Materials	Noor U Iain Bhatti, M. Junaid Khan, Nauman Usmani, Murtaza Saleem, Saadat A. Siddiqi, Shahid M. Ramay	Digest Journal of Nanomaterials and Biostructures	Published	11(4) 1091-1097	Oct-Dec 2016	0.756
541.	Adsorption of amoxicillin on surfactant modified zeolites and their antibacterial activity	Hoda Hosseinpour Nasirmahaleh, Sher Zaman Safi, Mohammad Reza Sazegar, Rajes Qvist, Ikram Shah Bin Ismail, Muhammad Aqeel Ashraf, NANN Malek	Research Journal of Biotechnology	Published	11 (9): 75-78	Sept 2016	0.23
542.	Organocatalyzed Novel Synthetic Methodology for Highly Functionalized Piperidines as Potent α -Glucosidase Inhibitors	Ariba Farooq, Lubna Shahzadi, Marek Bajda, Nisar Ullah, Abdul Rauf, Sohail Anjum Shahzad, Ather Farooq Khan, Muhammad Ashraf, Muhammad Yar	Archiv der Pharmazie	Published	349(9):724-732	Sep. 2016	2.043
543.	Tetramethyl-6-carboxyrhodamine quenching-based aptasensing platform for aflatoxin B1: Analytical performance comparison of two aptamers	K. Yugender Goud, Atul Sharma, Akhtar Hayat, Gaëlle Catanante, K. Vengatajalabathy Gobib, Ana Maria Gurban, Jean Louis Marty	Analytical Biochemistry	Published	508: 19–24	Sep. 2016	2.243
544.	Development of structure switching aptamer assay for detection of aflatoxin M1 in milk sample	Atul Sharma, Gaëlle Catanante, Akhtar Hayat, Georges Istambouliea, Ines Ben Rejeb, Sunil Bhand, Jean Louis Marty	Talanta	Published	158: 35–41	Sep. 2016	4.035
545.	Role of reactive oxygen species and effect of solution matrix in trichloroethylene degradation from aqueous solution by zeolite-supported nano iron as percarbonate activator	Muhammad Danish, Xiaogang Gu, Shuguang Lu, Minhui Xu, Xiang Zhang, Xiaori Fu, Yunfei Xue, Zhouwei Miao, Muhammad Naqvi, Muhammad Nasir	Research on Chemical Intermediates	Published	42(9):6959-6973	Sep 2016	1.833
546.	Quantitative structure-activity relationships (QSARs) for estimation of activity coefficient at infinite dilution of water in ionic liquids for natural gas dehydration JTICE-D-15-01802R1)	Girma Gonfa Mohamad Azmi Bustam, Azmi M. Shariff, Nawshad Muhammad, Sami Ullah	Journal of the Taiwan Institute of Chemical Engineers	Published	66:222-229	Sep. 2016	2.84
547.	A new synthetic methodology for the preparation of biocompatible and organo-soluble barbituric- and thiobarbituric acid based chitosan derivatives for biomedical applications	Sohail Shahzad, Lubna Shahzadi, Nasir Mahmood, Saadat Anwar Siddiqi, Abdul Rauf, Faisal Manzoor, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Muhammad Yar	Materials Science and Engineering C	Published	66, 156–163	Sep. 2016	3.4
548.	An overview of recent electrochemical immunosensing strategies for mycotoxins detection	Gaëlle Catanante, Amina Rhouati, Akhtar Hayat, Jean Louis Marty	Electroanalysis	Published	8:1750-1763	Aug 2016	2.471

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549.	Enhanced Photocatalytic and Electrocatalytic Applications of Green Synthesized Silver Nanoparticles	Zia Ul Haq Khan, Amjad Khan, Afzal Shah, Pingyu Wan, Yongmei Chen, Gul Majid Khan, Arif Ullah Khan, Kamran Tahir, Nawshad Muhammad, Hidayat Ullah Khan	Journal of molecular liquids	Published	220: 248-257	Aug. 2016	2.74
550.	Calligonumpolygonoides biomass as a low-cost adsorbent: Surface characterization and methylene blue adsorption characteristics	Asma Nasrullah, Hizbullah Khan, Amir Sada Khan, Nawshad Muhammad, Zakaria Man, Farman Ullah Khan, Zahoor Ullah	Desalination and Water Treatment	Published	57 (16): 7345-7357	August 2016	1.17
551.	Effect of Calcium hydroxide on mechanical strength and biological properties of bioactive glass	Asma Tufail Shah, Madeeha Batool, Aqif Anwar Chaudhry, Farasat Iqbal, Ayesha Javaid, Saba Zahid, Kanwal Ilyas, Saad bin Qasim, Ather Farooq Khan, Abdul Samad Khan, Ihtesham ur Rehman	Journal of the Mechanical Behavior of Biomedical Materials	Published	61:617-626	Aug. 2016	2.876
552.	Catalytic Pyrolysis of Low Density Polyethylene Using Cetyltrimethyl Ammonium Encapsulated Monovacant Keggin Units and ZSM-5	Madeeha Batool, Asma Tufail Shah, Muhammad Imran Din, Baoshan Li	Journal of Chemistry	Published	2857162	Aug 2016	0.996
553.	Biological behavior of bioactive glasses and their composites	Saba Zahid, Asma Tufail Shah, Arshad Jamal, Aqif Anwar Chadhry, Abdul Samad khan, Ather Farooq Khan, Nawshad Muhammad, Ihtesham ur Rehman	RSC Advances	Published	6:70197-70214	Aug 2016	2.84
554.	An overview of recent electrochemical immunosensing strategies for mycotoxins detection	GaelleCatanante, Amina Rhouati, Akhtar Hayat, Jean Louis Marty	Electroanalysis	Published	8: 1750-1763	Jul 2016	2.471
555.	Design of fluorescence aptaswitch based on the aptamer modulated nano-surface impact on the fluorescence particles	Atul Sharma, Gaëlle Catanantea, Akhtar Hayat, Georges Istamboulie, Ines Ben Rejeb, Sunil Bhand, Jean Louis Marty	RSC advances	Published	6(70): 65579-65587	July 2016	3.289
556.	Modifications in Glass Ionomer Cements: Nano-Sized Fillers and Bioactive Nanoceramics	Shariq Najeeb, Zohaib Khurshid, Muhammad Sohail Zafar, Abdul Samad Khan, Sana Zohaib, Juan Manuel Nuñez Martí, Salvatore Sauro, Jukka Pekka Matinlinna and Ihtesham Ur Rehman,	International Journal of Molecular Sciences	Published	17(7): 1134	14 July 2016	3.213
557.	Novel Meloxicam Releasing Electrospun Polymer/Ceramic Reinforced Biodegradable Membranes for Periodontal Regeneration Applications	Muhammad Yar, Ariba Farooq, Lubna Shahzadi, Abdul Samad Khan, Nasir Mahmood, Abdul Rauf, Aqif Anwar Chaudhry, Ihtesham ur Rehman	Materials Science & Engineering C	Published	64: 148-156	1 July 2016	3.088
558.	Ligand Assisted Stabilization of Fluorescence Nanoparticles; an Insight on the Fluorescence Characteristics, Dispersion Stability and DNA Loading Efficiency of Nanoparticles	Amina Rhouati, Akhtar Hayat, Rupesh K. Mishra, Diana Bueno, Shakir Ahmad Shahid, Roberto Muñoz, Jean Louis Marty	Journal of Fluorescence	Published	26(4):1607-14	July 2016	1.601

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559.	In situ synthesis of Copper Nanoparticles on SBA-16 Silica Spheres	AsmaTufail Shah, Sana Ahmad, Muhammad Farhan Khan, KhurramShahzad, Sobia Tabassum, Adnan Mujahid	Arabian Journal of Chemistry	Published	9(4):537-541	July 2016	2.684
560.	Synthesis, structure–activity relationship and antinociceptive activities of some 2-(2'-pyridyl) benzimidazole derivatives	Arfa Kamil , Shamim Akhtar, Ajmal Khan , Erum Farooq, Umar Nishan, Reaz Uddin, Umar Farooq	Medicinal Chemistry Research	Published	25(6): 1216-1228	June 2016	1.436
561.	New Spectrophotometric Method for the Determination of Mirtazapine in Pharmaceutical Formulations	Fozia Rehman, Saima Gul, Sajjad Hussain, Sabir Khan	J. Chil. Chem. Soc.	Published	2: 2852-2854	June 2016	0.35
562.	Study of Conductive Properties of Chemically Synthesized Polyaniline/Crystalline Silica Composites	Farah Kanwal, Tehseen Riaz, Saadat Anwar Siddiqi et. Al.	International Journal of Scientific and Engineering Research	Published	7(6): 513-519	June 2016	0.478
563.	Reactivity of nanoceria particles exposed to biologically relevant catechol-containing molecules	Gonca Bülbül, Akhtar Hayat, Xiaobo Liua and Silvana Andreescu	RSC Advances	Published	6: 60007-60014	16 Jun 2016	3.289
564.	Sensitive analytical performance of folding based biosensor using methylene blue tagged aptamers	Gaëlle Catanante, Rupesh K. Mishra, Akhtar Hayat, Jean-Louis Marty	Talanta	Published	153: 138–144	June 2016	4.035
565.	Impact of Ball-Milling Pretreatment on Pyrolysis Behavior and Kinetics of Crystalline Cellulose	Amir Sada Khan · Zakaria Man · Mohammad Azmi Bustam ·Chong Fai Kait · Muhammad Irfan Khan · Nawshad Muhammad ·	Waste and biomass valorization	Published	7(3): 571-581	June 2016	1.06
566.	Spasmolytic and Ca ⁺⁺ Channel Blocking Potential of Nepetolide: Isolated from Nepeta Suavis	Khan FU, Khanc AU, Hussain J, Khan IU, Muhammad Nawshad, Khan A, Mehmood S, Asiri AM, Khan SB, Gilani AH	Natural Product Communications	Published	11 (5): 591-592	May 2016	0.85
567.	Dental materials for cleft palate repair	Faiza Sharif · Ihtesham UrRehman · Nawshad Muhammad ·Sheila MacNeil	Materials science and engineering C	Published	61(1): 1018–1028	April 2016	3.08
568.	Production of chitosan PVA PCL hydrogels to bind heparin and induce angiogenesis	Muhammad Yar, Giulia Gigliobianco, Lubna Shahzadi, Lindsey Dew, Saadat Anwar Siddiqi, Ather Farooq Khan, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Sheila MacNeil	International Journal of Polymeric Materials and Polymeric Biomaterials	Published	65 (9): 466-476	21 March 2016	3.568
569.	Photocatalytic, antimicrobial activities of biogenic silver nanoparticles and electrochemical degradation of water soluble dyes at glassy carbon /silver modified past electrode using buffer solution	Zia Ul Haq Khan, Amjad Khan, Afzal Shah, Yongmei Chen , Pingyu Wan, Arif ullah Khan, Kamran Tahir, Nawshad Muhammad,	Journal of Photochemistry and Photobiology B: Biology	Published	156: 100–107	March 2016	2.960

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570.	Mesenchymal stem cells (MSC) viability on PVA and PCL polymers coated hydroxyapatite scaffolds derived from cuttlefish	Saadat Anwar Siddiqi, Faisal Manzoor, A. Jamal, M. Tariq, R. Ahmad, Aqif Anwar Chaudhry, and I.U. Rehman	RSC Adv.	Published	6: 32897-32904	March 2016	3.84
571.	Extraction of Biocompatible Hydroxyapatite from Fish Scales using Novel Approach of Ionic Liquid Pretreatment	Nawshad Muhammad, YananGao, Farasat Iqbal, Jianqiang Zhang, Rile Ge, Chang Wang, Umar Nishan, Abdur Rahim, Girma Gonfae, Zahoor Ullaha	Separation and Purification Technology	Published	161(17): 129-135	Mar 2016	3.299
572.	Enzymatic browning reduction in white cabbage, potent antibacterial and antioxidant activities of biogenic silver nanoparticles	Arif Ullah Khan · Yun Wei · Aftab Ahmad · Zia Ul Haq Khan · Kamran Tahir · Shahab Ullah Khan · Nawshad Muhammad	Journal of molecular liquids	Published	215: 39-46	March 2016	2.52
573.	Study of synergistic effect of Sc and C co-doping on the enhancement of visible light photo-catalytic activity of TiO ₂	Muhammad Nasir, Juying Lei, Waheed Iqbal, Jinlong Zhang	Applied Surface Science	Published	364: 446-454	Feb. 2016	3.150
574.	Sensitive quantitation of Ochratoxin A in cocoa beans using differential pulse voltammetry based aptasensor	Rupesh K. Mishra, Akhtar Hayat, Gaëlle Catanante, Georges Istamboulie, Jean-Louis Marty	Food Chemistry	Published	192(1):799-804	February 2016	4.052
575.	Evaluation of extraction methods for ochratoxin A detection in cocoa beans employing HPLC	Rupesh K. Mishra, Gaëlle Catanante, Akhtar Hayat & Jean-Louis Marty	Food Additives & Contaminants: Part A	Published	33(3): 500-508	01 Feb 2016	1.878
576.	Preparation and characterization of glycidyl methacrylate organo bridges grafted mesoporous silica SBA-15 as ibuprofen and mesalamine carrier for controlled release	Fozia Rehman, Abdur Rahim, Claudio Airoidi, Pedro L.O. Volpe	Materials Science and Engineering: C	Published	59: 970-979	Feb. 2016	3.420
577.	In situ synthesis of mesoporous polyvinyl alcohol/hydroxyapatite composites for better biomedical coating adhesion	Riaz Hussain, Sobia Tabassum, Mazhar Amjad Gilani, Ejaz Ahmed, Ahsan Sharif, Faisal Manzoor, Asma Tufail Shah, Anila Asif, Faiza Sharif, Farasat Iqbal, Saadat Anwar Siddiqi	Applied Surface Science	Published	364(28): 117-123	Feb. 2016	3.150
578.	Sonication-induced self-assembly of polymeric porphyrin-fullerene: Formation of nanorings	S Riaz, W Feng, A F Khan, M H Nawaz	Journal of Applied Polymer Science	Published	133: 43537	Feb. 2016	1.6
579.	Synthesis of Highly Crystalline Multilayered Boron Nitride Microflakes	Pervaiz Ahmad, Mayeen Uddin Khandaker, Yusoff Mohd Amin, Nawshad Muhammad	Scientific Reports	Published	21403	Feb. 2016	5.2
580.	An electrochemical sensor based on TiO ₂ /activated carbon nanocomposite modified screen printed electrode and its performance for phenolic compounds detection in water samples	Georges Istamboulie & Jean Louis Marty Akhtar Hayat, Amina Rhouati, Rupesh K. Mishra, Gustavo A. Alonso, Muhammad Nasir	International Journal of Environmental Analytical Chemistry	Published	96(3):237-246	Feb. 2016	1.411
581.	Effect of silanization of hydroxyapatite fillers on physical and mechanical properties of a bis-GMA based resin composite	C.Y.Lung, Z. Sarfraz, A. Habib, Abdul Samad Khan*, J.P. Matinlinna	Journal of the Mechanical Behavior of	Published	54: 283-294	Feb. 2016	3.417

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			Biomedical Materials				
582.	Effect of Li-Cu doping on structural, electrical and magnetic properties of cobalt ferrite nanoparticles	Saadia Rasheed, Hafiz Sartaj Aziz, Razaqat Ali Khan, Asad Muhammad Khan, Abdur Rahim, Jan Nisar, Syed Mujtaba Shah, Farasat Iqbal, Abdur Rahman Khan	Ceramic International	Published	42(2): Part B, 3666–3672	1 Feb. 2016	2.605
583.	Novel Biphenyl bis-Sulfonamides as Acetyl and Butyryl Cholinesterase Inhibitors: Synthesis, Biological Evaluation and Molecular Modeling Studies	Sadaf Mutahir; Jakub Jonczyk; Marek Bajda; Islam U Khan; Muhammad A Khan; Nisar Ullah; Muhammad Ashraf; Sadaf Riaz; Sajjad Hussain; Muhammad Yar	Bioorganic Chemistry	Published	64: 13-20	Feb 2016	2.152
584.	Evaluation of electrical, dielectric and magnetic characteristics of Al–La doped nickel spinel ferrites	Hafiz Sartaj Aziz, Saadia Rasheed, Razaqat Ali Khan, Abdur Rahim, Jan Nisar, Syed Mujtaba Shah, Farasat Iqbal and Abdur Rahman Khan	RSC Advances	Published	6: 6589-6597	11 Jan 2016	3.84
585.	Catalytic Growth of Vertically Aligned Neutron Sensitive 10Boron nitride nanotubes	Pervaiz Ahmad, Mayeen Uddin Khandaker, Yusoff Mohd Amin, Nawshad Muhammad	Journal of Nanoparticle Research	Published	18 (1): 1-7	Jan 2016	2.184
586.	Biosorption of Nickel (II) and Copper (II) Ions from Aqueous Solution Using Novel Biomass Derived From Nannorrhops Ritchiana (Mazri Palm)	Sefath Ullah Khan, Farman Ullah Khan, Ihsan Ullah Khan, Nawshad Muhammad	Desalination and waste water treatment	Published	57(9): 3964-3974	2016	1.17
587.	Adsorption Characteristics of Magnesium-Modified Bentonite Clay with Respect to Acid Blue 129 in Aqueous Media	Sajjad Hussain, Zia Ullah, Saima Gul, Rozina Khattak, Nida Kazmi, Fozia Rehman, Sabir Khan, Khalid Ahmad, Mohammad Imad, and Adnan Khan	Polish Journal of Environmental Studies	Published	25(5) 1947-1953	2016	0.79
588.	Isolation of Two New Mallotoates with Antifungal and Radical Scavenging Activities from Mallotus phillipensis muell	M Afzal, L Zhang, RJ Cox, Nawshad Muhammad, S Khan	Asian Journal of Chemistry	Published	27 (10), 3891-3894	2015	0.34
589.	Portable Nanoparticle-Based Sensors for Food Safety Assessment	Gonca Bülbül, Akhtar Hayat, Silvana Andreescu	Sensors	Published	15 (12): 30736-30758	Dec 2015	2.245
590.	Pyridine sulfonamide as a small key organic molecule for the potential treatment of type-II diabetes mellitus and Alzheimer's disease: In vitro studies against yeast alpha-glucosidase, acetylcholinesterase and butyrylcholinesterase	Riaz, Sadaf; Khan, Islam Ullah; Rehman, Tanzeel Ur; Mutahir, Sadaf; Hussain, Sajjad; Mustafa, Ghulam, Yar, Muhammad Bajda, Marek Ashraf, Muhammad] ; [Qurat-ul-Ain; Shaukat, Ayesha]	Bioorganic Chemistry	Published	63: 64-71	Dec 2015	2.152
591.	Study of structural and magnetic properties of melt spun Nd ₂ Fe _{13.6} Zr _{0.4} B ingot and ribbon	Muhammad Amin, Saadat Anwar Siddiqi, Ashfaq Ahmad, Murtaza Saleem, Shahid M. Ramay, Asif Mahmood and Yousef S. Al-Zaghayer	Modern Physics Letters B	Published	29: 1550250	Dec 2015	

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592.	Ionic liquids based fluorination of organic compounds using electrochemical method	Zia Ul Haq Khan, Dondan Kong, Yongmei Chen, Nawshad Muhammad	Journal of Industrial and Engineering Chemistry	Published	31(25):26-38	Nov 2015	3.53
593.	Dielectric studies of environmentally friendly and flexible lignocelluloses fibrils for miniaturization of patch antenna	Razaq, Aamir; Asif, M. H.; Iqbal, Shahid; Khan, Asim Ali; Ali, Jawad; Manzoor, Faisal	Modern Physics Letters B	Published	29(30): 1550187	Nov 2015	
594.	Long-lasting effects of dexamethasone on immune cells and wound healing in the zebrafish	Sharif, Faiza; Steenbergen, Peter J.; Champagne, Danielle L.;	Wound Repair And Regeneration	Published	23(6): 855-865	Nov 2015	2.745
595.	Tuning Ionic liquids for Natural Gas Dehydration Using COSMO-RS Methodology	Girma Gonfa, Mohamad Azmi Bustam, Azmi M. Sharif, Nawshad Mohamad, Sami Ullah	Journal of Natural Gas Science and Engineering	Published	27: 1141-1148	Nov. 2015	2.1
596.	Triethyl orthoformate mediated a novel crosslinking method for the preparation of hydrogels for tissue engineering applications: characterization and in vitro cytocompatibility analysis”	Muhammad Yar, Sohail Shahzad, Saadat Anwar Siddiqi, Nasir Mahmood, Abdul Rauf, Aqif Anwar Chaudhry, Ihtesham ur Rehman	Materials Science and Engineering C;	Published	56:154-164	Nov 2015	3.088
597.	Microwave assisted synthesis and characterization of magnesium substituted calcium phosphate bioceramics	Nida Iqbal Khan, Kashif Ijaz, Muniza Zahid, Abdul Samad Khan, Mohammed Rafiq Abdul Kadir, Razaq Hussain, Anis-ur-Rehman, Jawwad A. Darr, Ihtesham-ur-Rehman, Aqif Anwar Chaudhry*	Material Science and Engineering	Published	56:286-293	Nov 2015	2.736
598.	Evaluation of Thermophysical Properties of Functionalized Imidazolium Thiocyanate Based Ionic Liquids	G Gonfa, MA Bustam, Nawshad Muhammad, Abdul Samad Khan	Industrial & Engineering Chemistry Research	Published	54(49): 12428-12437	Nov 2015	2.567
599.	Density and excess molar volume of binary mixture of thiocyanate-based ionic liquids and methanol at temperatures 293.15–323.15K	Girma Gonfa, Mohamad Azmi Bustam, Nawshad Muhammad	Journal of Molecular Liquids	Published	211: 734–741	Nov 2015	2.55
600.	Synthesis of piroxicam loaded novel electrospun biodegradable nanocomposite scaffolds for periodontal regeneration	Ariba Farooq, Muhammad Yar, Abdul Samad Khan, Lubna Shahzadi, Saadat Anwar Siddiqi, Nasir Mahmood, Abdul Rauf, Zafar-ul-Ahsan Qureshi, Faisal Manzoor, Aqif Anwar Chaudhry, Ihtesham-ur-Rehman	Materials Science and Engineering C	Published	56: 104–113	Nov 2015	3.088
601.	New transcription factors involved with postnatal ventral prostate gland development in male Wistar rats during the first week	Umar Nishan, Danilo M. Damas-Souza, Guilherme Oliveira Barbosa, Nawshad Muhammad, Abdur Rahim, Hernandes F. Carvalho	Life Sciences	Published	143 (2015) 168–173	31st Oct. 2015	2.70
602.	Development of an aptasensor based on a fluorescent particles-modified aptamer for ochratoxin A detection	Akhtar Hayat, Rupesh K. Mishra, Gaelle Catanante, Jean Louis Marty	Analytical and bio analytical chemistry	Published	407(25) : 7815-7822	Oct. 2015	3.436

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603.	Facile synthesis and conduction mechanism in RE-substituted oxide systems for enhanced thermoelectric performance	F. Ahmed, A. Munir, Abdul Samad Khan, Aqif Anwar Chaudhry, M.A.U. Rehman	Journal of Materials Science: Materials in Electronics	Published	26 : 7460-7467	Oct 2015	1.569
604.	Copper phthalocyanine modified SiO ₂ /C electrode as a biomimetic electrocatalyst for 4-aminophenol in the development of an amperometric sensor	Abdur Rahim · Nawshad Muhammad · Umar Nishan · Umar Saeed Khan · Fozia Rehman · Lauro Tatsuo Kubotaa · Yoshitaka Gushikema ·	RSC Advances	Published	5(2015)87043-87050	Oct. 2015	3.84
605.	Biologically synthesized silver nanoparticle-based colorimetric sensor for the selective detection of Zn ²⁺	Muhammad Ihsan, Abdul Niaz, Abdur Rahim, Muhammad Iqbal Zaman, Muhammad Balal Arain, Sirajuddin, Tehmina Sharif and Memoona Najeeb	RSC Advances	Published	2015, 5, 91158–91165	20th Oct 2015	3.84
606.	Synthesis, COSMO-RS analysis and optical properties of surface modified ZnS quantum dots using ionic liquids	Robina Shahid, Nawshad Muhammad, Girma Gonfa, Muhammet S. Toprak, Mamoun Muhammed	Journal of Physics and Chemistry of Solids	Published	85, 34–38	Oct 2015	1.85
607.	Dielectric Studies of Composite Paper Reinforced with Polypyrrole Coated Pulp Fibers from Wasted Egg Holders	Aamir Razaq, Muhammad Idrees, Adeel Malik, Nafeesa Mushtaq, Irshad Hussain, Muhammad Yar	Journal of Applied Polymer Science	Published	132(33): --	Sep. 2015	1.6
608.	Titanium Dioxide Nanoparticles (TiO ₂) Quenching Based Aptasensing Platform: Application to Ochratoxin A Detection	Atul Sharma, Akhtar Hayat, Rupesh K Mishra, Gaëlle Catanante, Sunil Bhand, Jean Louis Marty	Toxins	Published	7 (9) 3771-3784	22 Sep 2015	2.938
609.	Polystyrenic Porphyrins as Catalyst for Alkane Oxidation	Sara Riaz, Muhammad Nasir, Jibran Iqbal, Mian Hasnain Nawaz	Research on Chemical Intermediates	Published	41 (9): 6283-6287	Sep 2015	1.54
610.	Design and synthesis of new barbituric- and thiobarbituric acid derivatives as potent urease inhibitors: structure activity relationship and molecular modeling studies	Abdul Rauf, Sohail Shahzad, MarekBajda, <u>Muhammad Yar</u> [*] , Faiz Ahmed, Nazar Hussain, Muhammad Nadeem Akhtar, Ajmal Khan, Jakub Jończyk	Bioorganic and Medicinal Chemistry	Published	23(17): 6049–6058	Sep. 2015	2.951
611.	A Label Free Aptasensor for Ochratoxin A Detection in Cocoa Beans: An Application to Chocolate Industries	Rupesh K. Mishra, Akhtar Hayat, Gaëlle Catanante, Cristina Ocaña, Jean-Louis Marty	Analyticachimica acta	Published	889 : 106–112	19 Aug. 2015	4.513
612.	Conductive and electroactive composite paper reinforced by coating of polyaniline on lignocelluloses fibers	Aamir Razaq, M. H. Asif, Riffat Kalsoom, Ather Farooq Khan, M. S. Awan, S. Ishrat and Shahid M. Ramay	Journal of Applied Polymer Science	Published	132(29) :	5 Aug 2015	1.768
613.	Dissolution and Separation of Wood Biopolymers Using Ionic Liquids	Nawshad Muhammad, Zakaria Man, M. I. Abdul Mutalib	ChemBioEng Reviews	Published	2(4): 257–278	Aug 2015	Newly Launched wiley publisher
614.	The effect of reaction atmosphere and growth duration on the size and morphology of boron nitride nanotubes	Pervaiz Ahmad, Mayeen Uddin Khandaker, YusoffMohd Amin, Nawshad Muhammad	New J. Chem	Published	39(10): 7912-7915	30 Jul 2015	3.1
615.	The organic residue and synthesis of LaFeO ₃ by combustion of citrate and nitrate precursors	M. Idrees, M. Nadeem, Saadat Anwar Siddiqi, Riaz Ahmad, A. Hussnain, Mazhar Mehmood	Materials Chemistry And Physics	Publised	162: 652-658	Jul 2015	2.259

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616.	Synthesis, Characterization and Effect of Temperature on Different Physicochemical Properties of Protic Ionic Liquids	Zahoor Ullah, Mohamad Azmi Bustam, Zakaria Man, Nawshad Muhammad and Amir Sada Khan	RSC Adv	Published	5 (87): 71449-71461	30 Jul 2015	3.84
617.	Applications of Raman Spectroscopy in Dentistry: Analysis of Tooth Structure	R. Ramakrishnaiah, S. Basavarajappa, A.A. Al Kheraif, B. H. Durgesh, Abdul Samad Khan, I.U. Rehman	Applied Spectroscopy Reviews	Published	50: 332-350	July 2015	3.1
618.	First examples of carbene-catalyzed allylation of benzaldehyde: a combined experimental and theoretical study	Sobia Tabassum, Mazhar Amjad Gilani, Khurshid Ayub, René Wilhelm	Journal of the Iranian Chemical Society	Published	12(7): 1199-1205	July 2015	1.4
619.	Direct synthesis of mesoporous molecular sieves of Ni-SBA-16 by internal pH adjustment method and its performance for adsorption of toxic brilliant green dye	Asma Tufail Shah, Muhammad Imran Din, Farva Nausheen Kanwal, Muhammad Laif Mirza,	Arabian Journal of Chemistry	Published	8(4): 579-586	July 2015	2.684
620.	Evaluation of the oxidase like activity of nanoceria and its application in colorimetric assays	Akhtar Hayat, J Cunningham, G Bulbul, S Andreescu	Analytica chimica acta	Published	885: 140-147	23 Jul 2015	4.513
621.	Effect of beverages on viscoelastic properties of resin-based dental composites	M. Kaleem, Abdul Samad Khan, I. Rehman, F. Wong	Materials	Accepted	8(6):2863-2872	June 2015	1.87
622.	Towards thermally stable cyclophanediene-dihydropyrene photoswitches	Nasir Khan, Nadeem S. Sheikh, Ather Farooq Khan, Ralf Ludwig, Tariq Mahmood, Wajid Rehman, Yasair S. S. Al-Faiyz, Khurshid Ayub	Journal of Molecular Modeling	Published	21:148	June 2015	1.736
623.	Synthesis, Characterization, Lipoygenase inhibitory activity and in silico Molecular Docking of Biarylbis(benzenesulfonamide) and Indol-3-yl-hydrazide derivatives	Sadaf Mutahir, Muhammad Yar, Muhammad Asim Khan, Nisar Ullah, Sohail Anjum Shahzad, Islam Ullah Khan, Rana Atif Mehmood, Muhammad Ashraf, Rumana Nasar, Eleni Pontiki	Journal of Iranian Chemical Society	Published	12(6): 1123-1130	June 2015	1.4
624.	Transformation Mechanism of Magnetite Nanoparticles	U. S. Khan, N. S. Khattak, Amanullah A. Manan, Abdur Rahim	Material Science-Poland	Published	33(2): 278-285	June 2015	0.54
625.	(Hydroxypropyl)methylcellulose mediated synthesis of highly porous composite scaffolds for trabecular bone repair applications	Ather Farooq Khan, Adeel Afzal, Aqif Anwar Chaudhary, Muhammad Saleem, Lubna Shahzadi, Arshad Jamal, Muhammad Yar, Amir Habib, and Ihtesham ur Rehman	Science of Advanced Materials	Published	7(6) 1177-1186(10)	June 2015	2.9
626.	Synthesis, thymidine phosphorylase inhibition and molecular modeling studies of 1,3,4-oxadiazole-2-thione derivatives.	Sohail Anjum Shahzad, Muhammad Yar, Marek Bajda, Lubna Shahzadi, Zulfiqar Ali Khan, Syed Ali Raza Naqvi, Sadaf Mutahir, Nasir Mahmood, Khalid Mohammed Khan	Bioorganic Chemistry	Published	60: 37-41	June 2015	2.141
627.	Synthesis and characterization of boron nitride microtubes	Pervaiz Ahmad, Mayeen Uddin Khandaker, Yusoff Mohd Amin, and Nawshad Muhammad	Mater. Express	Published	5(3): 249-254	June 2015	2.3

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628.	Study of dielectric relaxations in co-precipitated Sr–Fe(Cr) nanoferrites	M. Anis-ur-Rehman, Fatima-tuz-Zahra, SeemabKanwal, Zeenat Khan, Anila Asif, Anam Noor Hussain, Saba Zahid	J Mater Sci: Mater Electron	Published	26(9):6539	June, 2015	1.569
629.	Structural, Surface, in vitro Bacterial Adhesion and Biofilm Formation Analysis of Three Dental Restorative Composites	Maria Tahir Azam, Abdul Samad Khan, Danish Muzzafar, Rani Faryal, Saadat Anwar Siddiqi, Riaz Ahmad, Aqif Anwar Chaudhry and Ihtesham U. Rehman	Materials	Published	8(6), 3221-3237	June 2015	2.651
630.	Analysis of Pulse-Laser-Induced Modifications on High-Density Polyethylene for Laser Processing of Polyethylene	Mamoon Bashir, Malik Sajjad Mehmood, Tariq Yasin, Izhar Ahmad, Anila Asif and Masroor Ikram	Journal of Russian Laser Research	Published	36 (3):258	May, 2015	0.6
631.	Defects induced magnetization in B-doped ZnFeO dilute magnetic semiconductors	Saleem, Murtaza, Anwar, M. Sabieh Mahmood, Asif Atiq, Shahid, Ramay, Shahid Siddiqi, Saadat A.	Physica B-Condensed Matter	Published	465: 16-20	May 2015	1.319
632.	Dielectric and magnetic investigations of mixed cubic spinel Co-ferrites with controlled Mg content	[Piracha, Afaq H.; Saleem, Murtaza; Anwar, Muhammad Sabieh]; [Atiq, Shahid]; [Siddiqi, Saadat A.] [Ramay, Shahid M.]	Journal Of Electroceramics	Published	34: 122-129	May 2015	1.744
633.	Colorimetric cholesterol sensor based on peroxidase like activity of zinc oxide nanoparticles incorporated carbon nanotubes	Akhtar Hayat, Waqar Haider, Yousof Raza, Jean Louis Marty	Talanta	Published	143: 157-161	27 May 2015	3.545
634.	Label free aptasensor for lysozyme detection: a comparison of the analytical performance of two aptamers	Cristina Ocaña, Akhtar Hayat, Rupesh K Mishra, Alina Vasilescu, Manel del Valle, Jean-Louis Marty	Bioelectrochemistry	Published	105(72-77)	16 May 2015	4.172
635.	Sol–gel synthesis and investigation of structural, electrical and magnetic properties of Pb doped La _{0.1} Bi _{0.9} FeO ₃ multiferroics	Imran Ghafoor, Saadat Anwar Siddiqi, Shahid Atiq, Saira Riaz, Shahzad Naseem	Journal of Sol-Gel Science and Technology	Published	74(2): 352-356	May 2015	1.66
636.	Effect of ionic liquid on thermo-physical properties of bamboo biomass	Nawshad Muhammad, Yanan Gao, Muhammad Irfan Khan, Zakir Khan, Abdur Rahim, Farasat Iqbal, Amir Sada Khan & Jibran Iqbal	Wood Science and Technology	Published	49:897–913	May 2015	1.92
637.	Determination of Trace Amount of Cobalt in Pond Water and Vitamin B12 Tablets by Visible Diffuse Reflectance Spectrometry With Membrane Filtration Enrichment.	Bilin Zhu, Jibran Iqbal, Yiping Du	Physical Testing and Chemical Analysis Part B: Chemical Analysis	Published	51:172-175.	May 2015	Nil
638.	A novel electrochemical aptamer-antibody sandwich assay for lysozyme detection	C Ocaña, Akhtar Hayat, R Mishra, A Vasilescu, M del Valle, JL Marty	Analyst	Published	140, 4148-4153	10 April 2015	4.107
639.	Synthesis and Thermophysical Properties of Hydrogensulfate-Based Acidic Ionic Liquids	Zahoor Ullah. M. Azmi Bustam. Nawshad Muhammad. Zakaria Man. Amir Sada Khana	Journal of Solution Chemistry	Published	4400, (3-4), pp 8	April 2015	1.14
640.	Chitosan-based electrospun nanofibrous mats, hydrogels and cast films: novel anti-bacterial wound dressing matrices.	Sohail Shahzad, Muhammad Yar, Saadat Anwar Siddiqi, Nasir Mahmood, Abdul Rauf, Zafar-ul-Ahsan Qureshi, Muhammad Sabieh Anwar, Shahida Afzaal	Journal of Materials Science: Materials in Medicine	Published	26(3):136	26 Mar 2015	2.45

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641.	Formation of self-ordered porous anodized alumina template for growing tungsten trioxide nanowires	Tajamal Hussain, Asma Tufail Shah, Zahoor Hussain Farooqi, Zaib Un Nisa, Khurram Shehzad, Muhammad Hamid Raza, Adnan Mujahid Mirza Nadeem Ahmed	International Nano Letters	Published	5:37–41	Mar 2015	Non ISI
642.	In vitro antibacterial activity of selected medicinal plants from lower Himalayas	Z. Zulqarnain, Abdur Rahim, K. Ahmad, F. Ullah, H. Ullah, U. Nishan, Rizwana A. Qureshi	Pakistan Journal of Pharmaceutical Sciences	Published	28(2): 581-587	Mar 2015	1.103
643.	Gold nanoparticle decorated single walled carbon nanotube nanocomposite with synergistic peroxidase like activity for D-alanine detection	W Haider, Akhtar Hayat, Y Raza, Aqif Anwar Chaudhry, JL Marty	RSC Advances	Published	5 (32), 24853-24858	2 March 2015	3.84
644.	Design of a novel magnetic particles based electrochemical biosensor for organophosphate insecticide detection in flow injection analysis	Rocio B. Dominguez, Gustavo A. Alonso, Roberto Muñoz, Akhtar Hayat, Jean-Louis Marty	Sensors and Actuators B: Chemical	Published	208: 491–496	1 March 2015	3.71
645.	Green Synthesis and Characterization of Silver Nanoparticles Using Ferocactus Echidne Extract as a Reducing Agent	Asma Tufail Shah, Muhammad Imran Din, Shahid Bashir, Muhammad Abdul Qadir & Farzana Rashid	Analytical Letters	Published	48, 180-189	09 Feb 2015	1.019
646.	An update on glass fiber dental restorative composites: A systematic review	Abdul Samad Khan, M,T, Azam, M. Khan, S.A. Mian, I.U. Rehman	Materials Science and Engineering C	Published	47: 26–39	1 Feb. 2015	2.73
647.	Organocatalyzed solvent free an efficient novel synthesis of 2,4,5-trisubstituted imidazoles for α -glucosidase inhibition to treat diabetes	Muhammad Yar, Marek Bajda, Sohail Shahzad, Nisar Ullah, Mazhar Amjad Gilani, Muhammad Ashraf, Abdul Rauf, Ayesha Shaikat	Bioorganic Chemistry	Published	58, 65–71,	Feb 2015	2.141
648.	A study of the effect of precursors on physical and biological properties of mesoporous bioactive glass	Asma Tufail Shah, Qurat ul Ain, Aqif Anwar Chaudhry, Ather Farooq Khan, Bushra Iqbal, Sana Ahmad, Saadat Anwar Siddiqi, Ihtesham ur Rehman	Journal of Materials Science	Published	50(4): 1794-1804	Feb 2015	2.305
649.	Recent Developments in Electrochemical Sensors for the Detection of Neurotransmitters for Applications in Biomedicine	Rifat Emrah Özel, Akhtar Hayat & Silvana Andreescu	Analytical letters	Published	48: 1044–1069	Feb 2015	1.019
650.	Modelling in mixed matrix membranes for gas separation	Sikander Rafiq, Abdul halim Maulud, Zakaria Man, Mohamed Ibrahim Abdul Mutalib, Faizan Ahmad, Asad Ullah Khan, Asim Laeeq Khan, Moinud din Ghauri and Nawshad Muhammad	Canadian Journal of Chemical Engineering	Published	93(1) 88–95,	Jan 2015	1.3
651.	Synthesis of New Camphor-Based Carbene Ligands and Their Application in a Copper Catalyzed Michael Addition with B2Pin2	Maximilian Koppen wallner, Eduard Rais, Magdalena Uzarewicz-Baig, Sobia Tabassum, Mazhar Amjad Gilani, René Wilhelm	Synthesis	Published	47, 789–800	Jan 2015	2.5
652.	Self-Assembly of Linear [MnII2MnIII] Units with End-On Azido Bridges: The Construction of Ferromagnetic Chain using ST = 7 High-Spin Trimers.	Yuan Jiang, Lei Qin, Guanghua Li, Ghulam Abbas, Yaqun Cao, Gang Wu, Tian Han, Yan-Zhen Zheng and ShilunQiu	Dalton Transactions	published	44, 5205-5210	Jan 2015	4.097

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653.	An overview of the role of ionic liquids in biodiesel reactions	Nawshad Muhammad, Yasir A. Elsheikh, Muhammad Ibrahim Abdul Mutalib, Aqeel Ahmed Bazmi, Rahmat Ali Khan, Hidayatullah Khan, Sikander Rafiq, Zakaria Man, Ihsanullah Khan	Journal of Industrial and Engineering Chemistry	Published	21(25): 1-10	Jan 2015	2.063
654.	The Concise Synthesis of Unsymmetric Triarylacetonitriles via Pd-Catalyzed Sequential Arylation: A New Synthetic Approach to Tri and Tetraarylmethanes	Masakazu Nambo, Muhammad Yar, Joel Smith, Cathleen Crudden	Organic Letters	Published	17, 50-53	Jan 2015	6.3
655.	Some Properties of Magnetite Nanoparticles Produced Under Different Conditions	Umar Saeed Khan, Nazir Shah Khattak, Abdul Manan, Aminur Rahman, Faridullah Khan, Abdur Rahim	Journal of Electronic Materials	Published	44(1): 303-312	Jan 2015	1.8
656.	Synthesis, Crystal Structure and Spectroscopic Properties of 1,2-Benzothiazine Derivatives: An Experimental and DFT Study	Muhammad Nadeem Arshad; Tariq Mahmood; Ather Faroque Khan; Muhammad Zia-Ur-Rehman; Abdullah M. Asiri; Islam Ullah Khan; Riffat-Un-Nisa; Khurshid Ayub; Azam Mukhtar; Muhammad Tariq Saeed	Chinese Journal of Structural Chemistry	Published	34(1): 15-25	05 Jan 2015	0.507
657.	A new Pentacoordinate Polymeric Copper (II) complex with 2-amino-2-methyl-1,3-propanediol: Structural Investigations using XRD and DFT	Ghulam Abbas, Ali Hassan, Ahmad Irfan, Mariam Mir, Mariya-al-Rashida and Gang Wu	Journal of Structural Chemistry	Published	55, (6): 1159-1168	Jan 2015	0.501
658.	Synthesis and DPPH scavenging assay of reserpine analogues, computational studies and in silico docking studies in AChE and BChE responsible for Alzheimer's disease	[Yar, Muhammad; Farooq, Ariba] IRCBM; [Gilani, Mazhar Amjad] Dept Chem Engn; [Arshad, Muhammad; Ayub, Khurshid] Dept Chem, Abbottabad; [Ayub, Khurshid]; [Ejaz, Asma; Ninomiya, Ichiya]; [Kumar, Anupriya]	Brazilian Journal of Pharmaceutical Sciences	Published	55(1):53-61	2015	
659.	Synthesis of piroxicam loaded Novel Electrospun Biodegradable Nanocomposite Scaffolds for Periodontal Regeneration	A. Farooq, M Yar, A.S. Khan, L. Shahzadi, S.A. Siddiqi, N. Mahmood, A. Rauf, Z. A. Qureshi, A.A. Chaudhry, I. Rehman	Materials Science and Engineering C	Published	56: 104-113	2015	3.088
660.	Finite Element Method Analysis of a Jaw Structure upon Surgically Assisted Rapid Maxillary Expansion with Various Surgical Procedures	B.A. Zai, H. Mehboob, A.S. Khan	Journal of Pakistan Dental Association	Published	24: 70-74	2015	Non-ISI
661.	Cholinesterase Inhibitory Activities of N-Phenylthiazol-2-Amine Derivatives and their Molecular Docking Studies	Jamshed Iqbal, Mariya-al-Rashida, Ayesha Babar, Abdul Hameed, Muhammad Siraj Khan, Ather Farooq Khan	Medicinal Chemistry	Published	11(5):489-96	2015	1.387
662.	Potential Biosorbent Derived from Calligonum Polygonoides for Removal of Methylene Blue Dye from Aqueous Solution	Asma Nasrullah, Hizbullah Khan, Amir Sada Khan, Zakaria Man, Muhammad Irfan Khan, Nawshad Muhammad, and Naser M. AbdElsalam	The Scientific world journal	Published	2015- Article ID 562693	2015	1.2

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663.	Electrochemical impedimetric sensor based on molecularly imprinted polymers/sol-gel chemistry for methidathionorganophosphorous insecticide recognition	Bakas I, Hayat A, Piletsky S, Piletska E, Chehimi MM, Noguier T, Rouillon R	Talanta	Published	130 (29): 4-8	Dec 2014	3.511
664.	Novel pyridine 2,4,6-tricarbohydrazide derivatives: Design, synthesis, characterization and in vitro biological evaluation as α - and β glucosidase inhibitors	Sadaf Riaz, Islam Ullah Khan, Muhammad Yar, Muhammad Ashraf, Tanzeel Ur Rehman, Ayesha Shaukat, Syed Babar Jamal, Vera C. M. Duarte, Maria J. Alves	Bioorganic Chemistry	Published	57:148-54	Dec 2014	2.141
665.	Current Trends in Nanomaterial-Based Amperometric Biosensors	Akhtar Hayat, GaëlleCatanante and Jean Louis Marty	Sensors	Published	14(12):2343-9-23461	08 Dec 2014	2.048
666.	Polymer-assisted deposition of hydroxyapatite coatings using electrophoretic technique	Hassan Mehboob, Muhammad Awais, Hamad Khalid, Aqif Anwar Chaudhry, Saadat Anwar Siddiqi, IhteshamRehman	Biomedical Engineering: Applications, Basis and Communications,	Published	26(6): 1450073 (8pages)	06 Dec 2014	0.23
667.	Electrospun Polyurethane/Hydroxyapatite Bioactive Scaffolds for Bone Tissue Engineering: The role of Solvent and Hydroxyapatite Particles	G. Tetteh, A.S. Khan, R.M. Delaine-Smith, G.C. Reilly, I.U. Rehman	Journal of the Mechanical Behavior of Biomedical Materials	Published	39: 95–110	Nov. 2014	3.048
668.	Morphology controlled supramolecular assemblies via complexation between (5, 10, 15, 20 tetrakisphenyl- porphine) zinc and 4, 4'-bipyridine: from nanospheres to microrings	Feng Wang, Lei Xu, Mian Hasnain Nawaz, Feng Liu, Weian Zhang	RSC Advances	Published	4(106): 61378-61382	10 Nov 2014	3.71
669.	Molecular Imprinted Titania Sol-Gel Layer for Conductometric Sensing of p-Nitrophenol	Hussain, Tajamal; Munir, Hifza; Mujahid, Adnan; Farooq, Muhammad Umar; Shehzad, Khurram; Shah, AsmaTufail; Ahmad, Sana; Asghar, Muhammad Tahir	Sensor Letters	Published	12(11): 1682-1687	Nov 2014	0.558
670.	Determination of trace analytes based on diffuse reflectance spectroscopic techniques: development of a multichannel membrane filtration-enrichment device to improve repeatability	Wei Li, Lei Wang, Peijin Tong, Jibrán Iqbal, Xiaofang Zhang, Xuan Wang and Yiping Du	RSC Advances	Published	4: 52123-52129	7 Oct. 2014	3.71
671.	Physicochemical characterization of Pommeau de Normandie: establishing a relationship between metal contents and turbidity of the Pommeau samples	Waqar Haider, Sophie Delahaie, Jean-François Saint-Clair, Akhtar Hayat, Daniel Barillier, Jérôme Ledauphin	European Food Research and Technology	Published	239(4): 567-575	Oct 2014	1.387
672.	Calibration transfer of near-infrared spectra for extraction of informative components from spectra with canonical correlation analysis	Kaiyi Zheng, Xuan Zhang, Jibrán Iqbal, Wei Fan, Ting Wu, Yiping Du and Yizeng Liang	Journal of Chemometrics	Published	28(10):773–784	Oct 2014	1.803
673.	Rapid assay of the comparative degradation of acetaminophen in binary and ternary combinations	Adnan Mujahid, Yaqoob Ali, Adeel Afzal, TajamalHussain, AsmaTufail	Arabian Journal of Chemistry	Published	7(4): 522–524	Sept 2014	2.684

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674.	Design of a macroalgaeamperometric biosensor; application to the rapid monitoring of organophosphate insecticides in an agroecosystem	GS Nunes, JAP Lins, FGS Silva, LC Araujo, FEPS Silva, CD Mendonça, M Badea, A Hayat, J-L Marty	Chemosphere	Published	111: 623–630	Sep 2014	3.49
675.	Enhanced Control on the Electro Deposition Through Magnetic Field Using Reverse Microemulsion as Template	Tajamal Hussain, Rabia Jamil, Adnan Mujahid, Khurram Shehzad, Zahoor H Farooqi, Ejaz Ahmed, Ahsan Sharif, Asma T Shah	Asian Journal of Chemistry	Published	26(18):6077–6080	Sep 2014	0.355
676.	Osteoclast-like Cells in Early Zebrafish Embryos	Faiza Sharif, Merijn A.G. de Bakker, Michael K. Richardson	Cell Journal	Published	16(2): 211–224	Summer 2014	0.458
677.	Molecular imprinted titania nanoparticles for selective recognition and assay of uric acid	Adnan Mujahid, Aimen Idrees Khan, Adeel Afzal, Tajamal Hussain, Muhammad Hamid Raza, AsmaTufail Shah, Waheeduz Zaman,	Applied Nanosciences	Published	5, 527-534	26Aug 2014	Nil
678.	Synthesis, Characterization and Density Functional Theory Study Of Some New 2-Anilinothiazoles	Ayesha Babara, Huma Khalid, Khurshid Ayub, Sarah Saleem, Amir Waseem, Tariq Mahmood, Munawar Ali Munawar, Ghulam Abbas, Ather Farooq Khan	Journal of Molecular Structure	Published	1072: 221–227	25 Aug 2014	1.599
679.	Influence of carbon nanotube dimensions on the percolation characteristics of carbon nanotube/polymer composites	Khurram Shehzad, Mirza Nadeem Ahmad, Tajamal Hussain, Muhammad Mumtaz, Asma Tufail Shah, Adnan Mujahid, Chao Wang, Josef Ellingsen, Zhi-Min Dang	Journal of Applied Physics	Published	116(6) 64908	14 Aug 2014	2.185
680.	Synthesis and characterization of calcium deficient apatite granules for drug eluting bone graft applications	Mariam Mir, Saadat Anwar Siddiqi, Tousif Hussain, Aqif Anwar Chaudhry, Ihtesham Ur Rehman, Abdul Samad Khan, Ghulam Abbas	Ceramics International	Published	40(7), Part B, :10719–10725	Aug 2014	2.986
681.	Low temperature synthesis by auto-combustion and, investigation of structural and magnetic properties of $Mn_{0.5}Cu_{0.5-x}Ni_xFe_2O_4$ nanocrystallites	Shahid M. Ramay, Saadat A. Siddiqi, Shahid Atiq, Murtaza Saleem, Shahzad Naseem	IEEE Transactions on Magnetics	Published	50(8): 2200204	Aug 2014	1.213
682.	Structural, morphological and magnetic characterization of sol-gel synthesized MnCuZn ferrites	Shahid Mahmood Ramay, Hafiz Muhammad Rafique, Sana Aslam, Saadat Anwar Siddiqi, Shahid Atiq, Murtaza Saleem, Shahzad Naseem, and Muhammad Ali Shar,	IEEE Transactions on Magnetics	Published	50(8): 2200604	Aug 2014	1.213
683.	Synthesis of 2-Aryl-4H-3,1-Benzoxazin-4-ones: A Class of a-Chymotrypsin Inhibitors	Zulfiqar Ali Khan, Noshaba Afzal, Zaib Hussain, Syed Ali Raza Naqvi, Ayesha Bari, Sohail Anjum Shahzad, Muhammad Yar, Nasir Mahmood, Shazia Anwer Bukhari, Asim Mansha, Ameer Fawad Zahoor, Abdur Rahman Khan and Matloob Ahmad	Asian J chemistry	Published	26(15):4561–4565	Aug 2014	0.355
684.	Highly Regioselective Synthesis of Chiral Diamines via a Buchwald-	Uzarewicz-Baig, Magdalena Koppenwallner, Maximilian, Tabassum Sobia, Wilhelm René	Applied Organometallic Chemistry	Published	28(7): 552–558	July 2014	2.017

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	Hartwig Amination from Camphoric Acid and their in the Henry Reaction						
685.	Aptamer based electrochemical sensors for emerging environmental pollutants	Akhtar Hayat, Jean L. Marty	Frontiers in Chemistry	Published	2: 41	26 June 2014	Newly launched journal
686.	Probing phosphatase activity using redox active nanoparticles: A novel colorimetric approach for the detection of enzyme activity	Akhtar Hayat, Gonca Bulbul, Silvana Andreescu	Biosensors and Bioelectronics	Published	56: 334–339	15 June 2014	6.45
687.	Disposable Screen Printed Electrochemical Sensors: Tools for Environmental Monitoring	Akhtar Hayat and Jean Louis Marty	Sensors	Published	; 14(6): 10432–10453	13 June 2014	2.08
688.	DFT Studies of biphenyl derivatives, potential application as chiral dopants for liquid crystals	Tariq Mehamood, Mazhar Gillani, Sobia Tabassum, Ather Farooq Khan	Journal of Chemical Society of Pakistan	Published	36(3): 498-502	June 2014	0.612
689.	Total phenolic content, in vitro radical scavenging and antimicrobial activities of whole plant Rumex hastatus	Saira Afzal, Sobia Tabassum, Mazhar Amjad Gilani, Natasha Hussain, Robina Farooq, Saba Zahid, Asma Tufail Shah, Afsar Khan, Attiq-ur-Rehman	Science International	Published	26(2):721-727	June 2014	ISI Indexed
690.	Molecular expression profile of different cellulolytic enzyme genes in Aspergillus niger in response to UV and chemical mutagenesis	Nasir Mahmood, Mariyah Ahsan, Ishfaq Muhammad, Shahida Afzal, Zafar Qureshi, Syed Ali Raza Naqvi, Muhammad Yar, Zulfiqar Ali Khan And Sohail Anjum Shahzad	Cellulose Chemistry And Technology	Published	48 (5-6): 529-533	June 2014	0.833
691.	Enhanced magnetization of sol-gel synthesized Pb-doped strontium hexaferrites nanocrystallites at low temperature	Shahid M. Ramay, Shahid Atiq, Murtaza Saleem, Asif Mahmood, Saadat A. Siddiqi, Shahzad Naseem, Yousef Al-Zeghayer, Nasser S. Alzayed, Mohammed Shahabuddin	Journal of Nanomaterials	Published	Volume 2014, Article ID 452468, 7 pages	27 May 2014	1.611
692.	Phase Pure Synthesis and Morphology Dependent Magnetization in Mn Doped ZnO Nanostructures	Murtaza Saleem, Shahid Atiq, Shahid M. Ramay, Asif Mahmood, Saadat A. Siddiqi, Muhammad Ali Shar	Advances in Materials Science and Engineering	Published	Volume 2014, Article ID 670286, 6 pages	19 May 2014	0.897
693.	Novel synthesis of dihydropyrimidines for α -glucosidase inhibition to treat type 2 diabetes: in vitro biological evaluation and in silico docking	Muhammad Yar, Marek Bajda; Lubna Shahzadi; Sohail A Shahzad; Maqsood Ahmed; Muhammad Ashraf ; Umber Alam; Islam U Khan; Ather F Khan,	Bioorganic Chemistry	Published	54:96-104	June 2014	2.141
694.	Assess the ability of detecting low concentration analyte with Near-infrared spectroscopy based on dynamic enrichment	Xuan Zhang, Yiping Du, Peijin Tong, Wei Li, Jibran Iqbal, Ting Wu, Huilian Hu, Weibing Zhang	Chemometrics and Intelligent Laboratory Systems	Published	134: 58–66	15 May 2014	2.381
695.	Asperal: A New Clerodane Diterpene from Sonchus asper	Khan, Ihsan Ullah; Khan, Farman Ullah; Hussain, Javid; Badshah, Syed; Muhammad, Nawshad; Khan, Rahmat Ali; Kait, Chong Fai; Ali, Mian	Asian Journal of Chemistry	Published	26(9): 2699-2701	May 2014	0.355

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		Abdul; Khan, Hidayatullah; Aslam, Muhammad Waqar; Hussain, Iqbal					
696.	Antioxidant and antibacterial activities of Hibiscus Rosa-sinensis Linn flower extracts	Zulfiqar Ali Khan, Syed Ali Raza Naqvi, Ammara Mukhtar, Zaib Hussain, Sohail Anjum Shahzad, Asim Mansha, Matloob Ahmad, Ameer Fawad Zahoor, Iftikhar Hussain Bukhari, Ashraf-Janjua MR, Mahmood N, Muhammad Yar	Pak J Pharm Sci.	Published	27(3):469-74	May 2014	0.95
697.	Determination of biological activities and total phenolic contents of flowers of Jasminum humile and roots of Dorema aucheri	Afsar Khan, Umar Farooq, Fateh Ullah, Jamshed Iqbal, Ather Farooq Khan	Journal of Chemical Society of Pakistan	Published	36(2): 291-295	April 2014	0.612
698.	Atomic Force Microscopic Investigations of Fibrils Formed by Complexation of Monochelic Polystyrenic Porphyrin and PEGylated Fullerene (C60)	Mian Hasnain Nawaz, Sara Riaz & Feng Liu	Journal of Dispersion Science and Technology	Published	35(5):753-756	28 April 2014	0.705
699.	New Cholinesterase Inhibitory Constituents from Lonicera quinquelocularis	Dilfaraz Khan, Hidayat Ullah Khan, Farmanullah Khan, Shafiullah Khan, Syed Badshah, Abdul Samad Khan, Abdul Samad, Farman Ali, Ihsanullah Khan, Nawshad Muhammad	PLoS ONE	Published	9(4): e94952	14 April 2014	3.534
700.	Synthesis, in vitro lipoxygenase inhibition, docking study and thermal stability analyses of novel indole derivatives	Muhammad Yar, Lala Rukh Sidra, Eleni Pontiki, Nafeesa Mushtaq, Muhammad Ashraf, Rumana Nasar, Islam Ullah Khan, Nasir Mahmood, Syed Ali Raza Naqvi, Zulfiqar Ali Khan, Sohail Anjum Shahzad	Journal of the Iranian Chemical Society	Published	11(2): 369-378	April 2014	1.406
701.	Genetic diversity of Bemisia tabaci in Pakistan	Sadiqullahkhan, Mushtaq Ahmad, Nawshad Muhammad, Rahmat Ali Khan, Saad Ullah Khan, Ayesha Yousuf	Advances in Environmental Biology	Published	8(5): 1339-1344	April 2014	ISI Indexed
702.	Band gap measurement of ZnO-MoO ₃ -P ₂ O ₅ glasses by photoconductivity	M. A. Ghauri, S. A. Siddiqi, M. G. B. Ashiq	Glass Physics and Chemistry	Published	40(2) 151-156	March 2014	0.532
703.	Improved photocatalytic activity of TiO ₂ coupling ultrasound for Reactive Blue 19 degradation	Maria Siddique, Romana Khan, Ather Farooq Khan, Robina Farooq	Journal of Chemical Society of Pakistan	Published	36(1): 37-43	Feb 2014	0.612
704.	Implantable zirconia bioceramics for bone repair and replacement: A chronological review	Adeel Afzal	Materials Express	Published	4(1): 1-12	Feb 2014	1.72
705.	Synthesis and thermophysical properties of imidazolium-based Bronsted acidic ionic liquids	Nawshad Muhammad, Zakaria Man, Yasir A. Elsheikh, M. Azmi Bustam, M.I. Abdul Mutalib	Journal of Chemical & Engineering Data	Published	59 (3): 579-58	Feb 2014	2.045
706.	Synthesis and biological evaluation of novel oxadiazole derivatives: A new class of thymidine phosphorylase inhibitors as potential anti-tumor agents	Sohail Anjum Shahzad, Muhammad Yar, Marek Bajda, Bushra Jadoon, Zulfiqar Ali Khan, Syed Ali Raza Naqvi, Ahson Jabbar Shaikh, Khizar	Bioorganic & Medicinal Chemistry	Published	22(3): 1008-1015	Feb. 2014	2.951

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		Hayat, Adeem Mahmmod, Nasir Mahmood, Sławomir Filipek					
707.	Influence of processing parameters and solid concentration on microstructural properties of gel-casted porous hydroxyapatite	Anila Asif, Rabia Nazir, Tehseen Riaz, Nafisa Ashraf, Saba Zahid, Ramla Shahid, Anis Ur-Rehman, Aqif Anwar Chaudhry, Ihtesham Ur Rehman	Journal of Porous Materials	Published	21(1): 31-37	Feb. 2014	1.316
708.	Bioactive behavior of silicon substituted calcium phosphate based bioceramics for bone regeneration	Ather Farooq Khan, Muhammad Saleem, Adeel Afzal, Asghar Ali, Afsar Khan, Abdur Rahman Khan	Materials Science and Engineering: C	Published	35, 245-252	1 Feb 2014	2.736
709.	Design and Synthesis of New Dual Binding Site Cholinesterase Inhibitors: in vitro Inhibition Studies with in silico Docking	Muhammad Yar, Marek Bajda, Muhammad Ashraf, Tayaba Ismail, Sohail Anjum Shahzad, Rana Atif Mehmood, Lala Rukh Sidra, Lubna Shahzadi, Nisar Ullah, Zulfiqar Ali Khan, Syed Ali Raza Naqvi, Nasir Mahmood	Letters in Drug Design & Discovery	Published	11(3): 331-338	Jan. 2014	0.961
710.	DFT Studies on tetranuclear cubane complex $[\text{Ni}_4(\text{ampd})_4(\text{Cl}_4)] \cdot \text{MeCN}$	Ghulam Abbas, Mariya-al-Rashida, Arfan Ahmad	Journal of Structural Chemistry	Published	55(1): 30-37	Jan. 2014	0.501
711.	Adsorption Optimization of Lead (II) Using Saccharum Bengalense as a Non-Conventional Low Cost Biosorbent: Isotherm and Thermodynamics Modeling	Muhammad Imran Dina, Zaib Hussain, Muhammad Latif Mirza, Asma Tufail Shah & Muhammad Makshoof Athar	International Journal of Phytoremediation	Published	16(9): 889-908	Jan. 2014	1.466
712.	In situ reaction kinetic analysis of dental restorative materials	Basma Younas, Abdul Samad Khan, Danish Muzaffar, Ijaz Hussain, Aqif Anwar Chaudhry, Ihtesham Ur Rehman	European Physical Journal: Applied Physics	Published	64: 30701	Dec 2013	0.789
713.	Cadmium Phytoremediation by Arundo donax L. from Contaminated Soil and Water	Sabeen, Qaisar Mahmood, Muhammad Irshad, Iftikhar Fareed, Afsar Khan, Farid Ullah, Yousaf Hayat and Sobia Tabassum	BioMed Research International	Published	324830, 9 pages	Dec 2013	2.4
714.	Bioimprinting strategies: From soft lithography to biomimetic sensors and beyond	Adnan Mujahid, Naseer Iqbal, Adeel Afzal	Biotechnology Advances	Published	31:1435-1447	Dec 2013	8.905
715.	Experimental and Theoretical Charge Density Analysis of a Bromoethyl Sulfonium Salt	Maqsood Ahmed, Muhammad Yar, Ayoub Nassour, Benoît Guillot, Claude Lecomte, and Christian Jelsch	The Journal of Physical Chemistry: A	Published	117, 51, 14267-14275	28 Nov 2013	2.775
716.	Molecularly Imprinted Nanomaterials for Sensor Applications	Muhammad Irshad, Naseer Iqbal, Adnan Mujahid, Adeel Afzal, Tajamal Hussain, Ahsan Sharif, Ejaz Ahmad, Muhammad Makshoof Athar	Nanomaterials	Published	3: 615-637	Nov 2013	ISI Indexed
717.	Synthesis, characterization and morphological studies of some novel siloxane-based block co-polymeric materials containing organometallic as well as organic polyesteramides	Muhammad Saif Ullah Khan, Zareen Akhtar, Naseer Iqbal, Mohammad Siddiq	Journal of Organometallic Chemistry	Published	745-746: 312-328	Nov 2013	2.302

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718.	Induced modifications in the properties of Sr doped BiFeO ₃ multiferroics	Tanvir Hussain, Saadat A. Siddiqi, Shahid Atiq, M.S. Awan	Progress in Natural Science: Materials International	Published	23(5): 487–492	Oct 2013	1.143
719.	Key wavelengths selection from near infrared spectra using Monte Carlo sampling–recursive partial least squares	Mingjin Zhang, Shizhi Zhang, Jibran Iqbal	Chemometrics and Intelligent Laboratory Systems	Published	128(15): 17–24	Oct 2013	2.381
720.	Electronic structure and absorption spectra of 6-picoline Schiff base: A DFT and XRD based approach	Ghulam Abbas, Ahmad Irfan, Mariam Mir, Rashida Mariya al, Ather Farooq Khan,	Journal of Molecular Structure	Published	1050: 10–14	Oct 2013	1.404
721.	Synthesis, biological evaluation and study of the effect of various N-substituents on the thermal stabilities of some new diethanolamine derivatives	Muhammad Yar, Nafeesa Mushtaq, Sadia Afzal, Abdul Samad Khan, Islam Ullah Khan, Muhammad Nadeem Akhter, Seema Zareen, Sohail Anjum Shahzad, Zulfiqar Ali Khan, Syed Ali Raza Naqvi, Nasir Mahmood, Lubna Tahir, Muhammad Saleem	Asian Journal of Chemistry	Published	25(13): 7297-7304	Oct 2013	0.253
722.	Graphene based Fiber Optic Surface Plasmon Resonance for Bio-chemical Sensor Applications	Kim, Jang Ah, Taehyun Hwang, Sreekantha Reddy Dugasani, Rashid Amin, Atul Kulkarni, Sung Ha Park, Taesung Kim	Sensors and Actuators B: Chemical	Published	187: 426–433	Oct 2013	3.535
723.	Carriers-assisted Enhanced Ferromagnetism in Al-doped ZnMnO Nano-crystallites	Shahid Atiq, Saadat A. Siddiqi, Fazal Abbas, Murtaza Saleem, Shahid M. Ramay	Chinese Journal of Chemical Physics	Published	26(4): 457-461	Sep 2013	0.692
724.	Mass sensitive multi-sensor platform for receptor screening and quantification purposes	Naseer Iqbal, Ghulam Mustafa, Peter A Lieberzeit	Journal of the Chinese Advanced Materials Society	Published	1: 200-209	Sep 2013	ISI Indexed
725.	Rapid hydrothermal flow synthesis and characterisation of carbonate- and silicate-substituted calcium phosphates	Aqif A Chaudhry, Jonathan C Knowle, Ihtesham Rehman, Jawwad A Darr	Journal of Biomaterials Applications	Published	28(3):448-61	25 Aug 2013	2.64
726.	Identification of Novel Chromone Based Sulfonamides as Highly Potent and Selective Inhibitors of Alkaline Phosphatase	Mariya-al-Rashida, Rabia Raza, Ghulam Abbas, Muhammad Shakil Shah, George E. Kostakis, Joanna Lecka, Jean Sévigny	European Journal of medicinal chemistry	Published	66: 438-449	Aug. 2013	3.499
727.	Antioxidant, Antibacterial And Antiproliferative Activities of areal parts of SwertiaChirata (Bush Ham) Plant Extracts Using In Vitro Models	Syed Ali Raza Naqvi, Qurat-Ul-Ain, Zulfiqar Ali Khan, Zaib Hussain, Sohail Anjum Shahzad, Muhammad Yar, Abdul Ghaffar, Nasir Mahmood, Samina Kousar	Asian Journal of Chemistry	Published	25(10): 5448-5452	Aug 2013	0.253
728.	Synthesis and characterization of a fluoride release dental restorative composite	Abdul Samad Khan, Sidra Aamer, Aqif Anwar Chaudhry, Ferranti S.L. Wong, Ihtesham Ur Rehman	Materials Science and Engineering: C	Published	33(6): 3458-3464	1 Aug 2013	2.404
729.	Quantitative analysis of molecular-level DNA crystal growth on a 2D surface	Junwee Lee, Shogo Hamada, Si Un Hwang, Rashid Amin, Junyoung Son, Sreekantha Reddy Dugasani, Satoshi Murata & Sung Ha Park	Scientific Reports: Nature	Published	3: 2115	2 July 2013	2.927
730.	Synthesis, Reactions, Applications, and Biological Activity of diethanolamine and its derivatives	Muhammad Yar, Nafeesa Mushtaq, Sadia Afzal	Russian Journal of Organic Chemistry	Published	49: 949–967	1 July 2013	0.513
731.	Synthesis and characterization of Alkaline earth metals (Ca, Sr, Ba)	Asma Khalid, S. A. Siddiqi, Affia Aslam	Chinese Physics Letters	Published	30(7): 2013	July 2013	0.811

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732.	In-silico analysis of chromone containing sulfonamide derivatives as human carbonic anhydrase inhibitors	Zaheer ul Haq, Saman Usmani, Uzma Mehmood, Mariya al-Rashida and Ghulam Abbas	Medicinal Chemistry	Published	9: 608-616	Jun 2013	1.373
733.	NOx sensing one- and two-dimensional carbon nanostructures and nanohybrids: Progress and perspectives	Naseer Iqbal, Adeel Afzal, Nicola Cioffi, Luigia Sabbatini, Luisa Torsi	Sensors and Actuators B: Chemical	Published	181: 9–21	May 2013	3.535
734.	Raman spectroscopy of bone and its synthetic apatites	Ather Farooq Khan, Awais Younas, Sobia Tabassum, Abdul Samad Khan, Aqif Anwar Chaudhry, Ihtesham ur Rehman	Applied Spectroscopy Reviews	Published	48: 329-355	May 2013	2.915
735.	All-organic PANI–DBSA/PVDF dielectric composites with unique electrical properties	K. Shehzad, A. Ul-Haq, S. Ahmad, M. Mumtaz, T. Hussain, A. Mujahid, Asma Tufail Shah, M. Y. Choudhry, I. Khokhar, S. Ul-Hassan, F. Nawaz, F. Ur Rahman, Y. Butt, M. Pervaiz	Journal of Materials Science	Published	48: 3737-3744	May 2013	2.163
736.	Assessment of ability to detect low concentration analyte with near-infrared spectroscopy based on pre-concentration technique	Xuan Zhang, Yulan Ren, Yiping Du, Xiaoyu Li, Xiuyong Li, Jinpei Geng, Wei Li, Jibran Iqbal	Chemometrics and Intelligent Laboratory Systems	Published	24: 1-8	May 2013	2.321effective
737.	Synthesis and In-vitro Cytotoxicity Analysis of Microwave Irradiated Nano-Apatites	R. Nazir, A.S. Khan, A. Ahmed, A.U. Rehman, A.A. Chaudhry, I.U. Rehman, F.S.L. Wong	Ceramics International	Published	39: 4339-4347	May 2013	2.986
738.	Facile Synthesis and Herbicidal Evaluation of 2-Aryl-4H-3,1-benzoxazin-4-ones	Zaib Hussain, Zulfiqar Ali Khan, Syed Ali Raza Naqvi, Sohail Anjum Shahzad, Muhammad Yar, Abdullah Ijaz Hussain, Shahzad Ali	Journal of Chemical Society of Pakistan	Published	35 (2): 449-455	Apr 2013	0.612
739.	Novel indium-111 labeled gastrin peptide analogues (MG-CL1-4): Synthesis and quality control	S. A. Shahzad, Muhammad Yar, Z. A. Khan, S. A. R. Naqvi, N. Mahmood	Pakistan Journal of Pharmaceutical Sciences	Published	26: 299-305	Mar 2013	0.947
740.	DNA nanotechnology: a future perspective	Zahid, Muniza, Byeonghoon Kim, Rafoqat Hussain, Rashid Amin, Sung Ha Park	Nanoscale Research Letters	Published	8: 119	Mar 2013	2.524
741.	Phenolic acid content, antioxidant properties, and antibacterial potential of flowers and fruits from selected Pakistani indigenous medicinal plants	Syed Ali Raza Naqvi, Rifaqat Waseem, Nasir Mahmood, Zaib Hussain, Zulfiqar Ali Khan, Sohail Anjum Shahzad, Muhammad Yar, Rashid Amin	Science Asia	Published	39: 340-345	27 Feb 2013	0.398
742.	Dye sensitised solar cells with nickel oxide photocathodes prepared via scalable microwave sintering	Elizabeth A. Gibson, Muhammad Awais, Danilo Dini, Denis P. Dowling, Mary T. Pryce, Johannes G. Vos, Gerrit Boschloo and Anders Hagfeldt	Physical Chemistry Physical Physics	Published	15: 2411--2420	21 Feb 2013	3.829
743.	Arsenic bioremediation by low cost materials derived from Blue Pine (Pinus wallichiana) and Walnut (Juglans regia)	Ahmad Nauman Shah Saqib , Amir Waseem, Ather Farooq Khan, Qaisar Mahmoo, Afsar Khan, Amir Habib, Abdur Rahman Khan,	Ecological Engineering	Published	51: 88– 94	Feb 2013	2.958
744.	Synthesis, characterization and thermal oxidative stability of rigid epoxy polymers cured from aromatic mono- and di-amines	Humaira Masood Siddiqi & Adeel Afzal & Samia Sajid & Zareen Akhter	Journal of Polymer Research	Published	20:41	Feb 2013	2.019
745.	Effect of Co substitution on the structural, electrical, and magnetic properties of Bi _{0.9} La _{0.1} FeO ₃ by sol-gel synthesis	Ghulam Ali, S. A. Siddiqi, M. Saleem, S. M. Ramay	International Journal of Minerals, Metallurgy and Materials	Published	20(2): 166-171	Feb 2013	0.483
746.	Electrochemical characterization of NiO electrodes deposited via a scalable powder microblasting technique	Muhammad Awais, Danilo Dini , J. M. Don MacElroy , Yvonne Halpin, Johannes G. Vos, Denis P. Dowling	Journal of Electroanalytical Chemistry	Published	689: 185–192	15 Jan 2013	2.672

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747.	Exploring resin viscosity effects in solventless processing of nano-SiO ₂ /epoxy polymer hybrids	Adeel Afzal, Humaira Masood Siddiqi, Shaukat Saeed and Zahoor Ahmad	RSC Advances	Published	3(12):3885-3892	11 Jan 2013	ISI Indexed
748.	Synthesis and Antimicrobial activity of 2-Aryl-4H-3,1-benzoxazin-4-ones	Z. A. Khan, S. A. R. Naqvi, S. A. Shahzad, N. Mahmood, Muhammad Yar and A. F. Zahoor	Asian Journal of Chemistry	Published	25(1): 152-156	Jan 2013	0.253
749.	Structural, mechanical and biocompatibility analyses of a novel restorative nano-composite	A.S. Khan, I. J. McKay, R.A. Whiley, F.S.L. Wong, I.U. Rehman	Journal of Applied Polymer Science	Published	127 (1): 439-447.	Jan 2013	1.395
750.	2-(1H-Indol-3-yl)acetohydrazide	Sidra LR, Khan IU, Yar M, Simpson J.	Acta Crystallographica Section E: Structure Reports	Published	E68: 03140–03141	Nov 2012	ISI Indexed
751.	Origin of ferromagnetism in Al and Ni Co-doped ZnO based DMS materials	Murtaza Saleem, Saadat A. Siddiqi, S. M. Ramay, S. Atiq, S. Naseem, Chin.	Chinese Physics Letters	Published	29 (10): 106103	Oct 2012	0.811
752.	Effect of annealing time on structural and magnetic properties of laser ablated oriented Fe ₃ O ₄ thin films deposited on Si(100)	Shahid Ramay, S.A. Siddiqi, M. S. Anwar, C.V. Park and S-C Shin, Bull	Bulletin of Materials Science	Published	35(4): 501-503	Sep 2012	0.584
753.	NO _x sensors based on semiconducting metal oxide nanostructures: progress and perspectives	A. Afzal, N. Cioffi, L. Sabbatini, L. Torsi	Sensors and Actuators B: Chemical	Published	171-172: 25-42	Aug- Sep 2012	3.353
754.	N-(2,4,6-Trimethylphenyl)-1,3-thiazol-2-amine	Ayesha babar, Munawer Ali Munawer, Ather Farooq Khan et al	Acta Crystallographic Section E: Structure Reports	Published	E68: 2441	1 Aug 2012	ISI Indexed
755.	Phase Stability and Rapid Consolidation of Hydroxyapatite Zirconia Nano-Coprecipitates made using Continuous Hydrothermal Flow Synthesis	Aqif A Chaudhry, Haixue Yan, Giuseppe Viola, Mike J Reece, Jonathan C Knowles, Kenan Gong, Ihtesham Rehman, Jawwad A Darr	Journal of Biomaterials Applications	Published	27(1): 79-90	July 2012	2.64
756.	Synthesis and characterization of isostructural tetranuclear lanthanide complexes [Ln ₄ (μ ₃ -OH) ₂ (ampdH ₄) ₂ (piv) ₁₀]-4CH ₃ CN (Ln = Sm, Eu, Gd, Tb, Dy, Ho, Er).	Ghulam Abbas, George E. Kostakis, Yanhua Lan and Annie K. Powell	Polyhedron	Published	41(1): 1-6	28 June 2012	1.813
757.	Structurally modified poly(vinyl alcohol) ionic composites as efficient humidity indicators	A. Mujahid, A. Afzal, MN. Ahmad, MU. Farooq, T. Hussain, K. Shehzad	Polymer Composites	Published	33(6): 1018-1024	Jun 2012	1.482
758.	Enhanced Magnetic Moment of Epitaxial γ'-Fe ₄ N Films at Low Temperature	Shahid Atiq, Murtaza Saleem, Shahid M. Ramay, Saadat A. Siddiqi, M. Sabieh Anwar and Sung-Chul Shin	Journal of the Korean Physical Society	Published	60 (10): 1745-1748	May 2012	0.506
759.	Electrophoretic deposition of PVA coated hydroxyapatite on 316L stainless steel	Nida Iqbal, Rabia Nazir, Anila Asif, Aqif Anwar Chaudhry, Muhammad Akram, Goh Yi Fan, Aftab Akram, Rashid Amin, Sung Ha Park, Rafaqat Hussain	Current Applied Physics	Published	12: 755 - 759	May 2012	1.814
760.	NMR Studies of Artificial Double-Crossover DNA Tiles	Murugan Veerapandian, Byeonghoon Kim, Rashid Amin, Junwye Lee, Kyusik Yun, and Sung Ha Park	Journal of Nanoscience and Nanotechnology	Published	11: 2300-2310	Mar 2012	1.149
761.	Studies towards the synthesis of (±)-reserpine: Photocyclization mediated a novel and efficient synthesis of 11,18-dimethoxy-(20a)-18,19-didehydro-yohimban-17-one;	Muhammad Yar, Muhammad Arshad, Muhammad Nadeem Akhtar, Sohail Anjum Shahzad, Islam Ullah Khan, Zulfikar Ali Khan, Nisar Ullah, Ichiya Ninomiya,	European Journal of Chemistry	Published	3: 26-31	Mar 2012	ISI Indexed
762.	Two New Ballonigrin-type Diterpenoids from the Roots of <i>Ballota limbata</i>	Umar Farooq, Afsar Khan, Ather Farooq Khan, Rizwana Sarwar, Saleha Suleman	Natural Product Communication	Published	7: 149-150	Feb 2012	0.956
763.	Rapid Synthesis of Thermally Stable Hydroxyapatite	R. Nazir, N.I. Khan, A.S. Khan, A. Ahmad, A. Asif, A.A. Chaudhry, I.U. Rehman, R. Hussain	Ceramics International	Published	38(1): 457-462	Jan 2012	2.986
764.	Synthesis of polypyrrole-zinc oxide composites and study of their structural, thermal and electrical properties	Batool A, Kanwal Farah, Imran M., Jamil T. and Siddiqi S A	Synthetic Metals	Published	161: 2753-2758	Jan 2012	2.109

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765.	Variation in the magnetic properties of SmCo ₅ /Fe-Exchange coupled bilayers with increasing Fe thickness	F. Shahzad, S. A. Siddiqi, Xu jing and B. Hong-Liang	Arabian Journal for Science and Engineering	Published	37: 251-254	Jan 2012	0.385
766.	Structural and in vitro adhesion analysis of a novel covalently coupled bioactive composite	Abdul S. Khan, Khawaja R. Hassan, Syeda F. Bukhari, Ferranti S. L. Wong, Ihtesham Ur. Rehman	Journal of Biomedical Materials Research Part B- Applied Biomaterials	Published	100B(1): 239-248	Jan 2012	2.328
767.	Synthesis and photoinitiating behavior of hyperbranched polymeric photoinitiators bearing coinitiator amine	Lihua Hu, Anila Asif, Jianda Xie, Wenfang Shi	Polymer for Advanced Technologies	Published	12: 1673	Dec 2011	1.635
768.	Influence of temperature on the structural and magnetic properties of Co _{0.5} Mn _{0.5} Fe ₂ O ₄ ferrites	Ramay, M. Saleem, S. Atiq, S.A. Siddiqi, S. Naseem, and M.S. Anwar	Bulletin of Material Science	Published	34(7): 1415-1419	1 Dec 2011	0.584
769.	Carrier mediated ferromagnetic enhancement in Al-doped ZnMnO dilute magnetic semiconductors	M. Saleem, S.A. Siddiqi, S. Atiq, S.M. Ramay, M.S. Anwar, I. Hussain and S. Alam	Materials Characterization	Published	62: 1102-1107	Nov 2011	1.88
770.	Structural and magnetic studies of Zn _{0.95} Co _{0.05} O and Zn _{0.90} Co _{0.05} Al _{0.05} O	Murtaza Saleem, S.A. Siddiqi, S. Atiq, S.M. Ramay and M. S. Anwar	Chinese Physics Letters	Published	28 (11): 116103	Nov 2011	0.811
771.	Synthesis and shape memory behavior study of hyperbranched poly(urethane-tetrazole)	Ligen Qiao, Anila Asif, Wenfang Shi	Science China Chemistry	Published	54: 1461-1467	Sep 2011	1.327
772.	Imidazolium sulfonate and sulfamate zwitterions as chiral solvating agents for enantiomeric excess calculations	SobiaTabassum, MazharAmjadGilani, René Wilhelm,	Tetrahedron: Asymmetry	Published	22(16-17): 1632-1639	15 Sep 2011	2.115
773.	Enhancement of Energy Product with Insertion of Ti between Exchange Coupled Sm-Co and Fe Layers	Furrukh Shahzad, Saadat Anwar Siddiqi, Shi-Shen Yan, M. Sabieh Anwar, S. M. Ramay	International Journal of Modern Physics B	Published	25(22): 2957-2963	10 Sep 2011	ISI Indexed
774.	Rise in energy product of Sm-Co/Fe spring exchange magnetic bilayers with addition of Cr at interface	F. Shahzad, S. A. Siddiqi, Xu jing, Bai Hong-Liang, Tang Min Jian	Indian Journal of Engineering and Material Science	Published	18: 329-331	Aug 2011	0.362
775.	Highly branched polyurethane acrylates and their waterborne UV curing coating	Yong Zhang, Anila Asif, Wenfang Shi	Progress in Organic Coatings	Published	71: 295-301	Jul 2011	1.848
776.	High Strength Nano-grained and Translucent Hydroxyapatite Monoliths via Continuous Hydrothermal Synthesis and Optimized Spark Plasma Sintering	Chaudhry, A.A., Yan, H.X., Gong, K.N., Inam, F., Viola, G., Reece, M.J., Goodall, J.B.M., Rehman, I.U., McNeil-Watson, F.K., Corbett, J.C.W., Knowles, J.C., Darr, J.A.	Acta Biomaterialia	Published	7(2): 791-799	Feb 2011	5.093
777.	Synthesis and Properties of Cationic Photopolymerizable Hyperbranched Polyesters with Terminal Oxetane Groups by the Couple-monomer Polymerization of Carboxylic Anhydride with Hydroxyl Oxetane	Fu Zhan, Anila Asif, Wenfang Shi	Polymer	Published	51: 3402-3409	Jul 2010	3.379
778.	Synthesis, Rheological and Thermal Properties of Waterborne Hyperbranched Polyurethane Acrylate Dispersions for UV Curable Coatings	Anila Asif, Lihua Hu, Wenfang Shi	Colloid & Polymer Science	Published	287: 1041-1049	Sep 2009	2.161
779.	Synthesis and Characterisation of Magnesium Substituted Calcium Phosphate Bioceramic Nanoparticles Made via Continuous Hydrothermal Flow Synthesis	Chaudhry, A. A., Goodall, J., Vickers, M., Cockcroft, J. K., Rehman, I., Knowles, J. C., Darr, J. A.	Journal of Materials Chemistry	Published	18: 5900-08	5 Nov 2008	6.101