

Research Productivity 2017 Final Department of Physics, CUI Lahore

Sr. No.	Author		Title	Journal	IF/ISI	Year	Vol/Issue	Page No.	Total Pages
1	[Rafiq, M. Yasir; Bilal, Muhammad; Munir, Naeem; Sultana, I.; Razaq, Aamir] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Iqbal, Faisal; Hassan, Najmul] ; [Aslam, Fawad] ; [Ashraf, Fawad] COMSATS Inst Informat Technol, Dept Chem Engn, Lahore 54000, Pakistan; [Manzoor, Faisal] COMSATS Inst Informat Technol, Interdisciplinary Res Ctr Biomed Mat, Lahore 54000, Pakistan	Article	Fabrication and characterization of ZnO/MnO ₂ and ZnO/TiO ₂ flexible nanocomposites for energy storage applications	JOURNAL OF ALLOYS AND COMPOUNDS	3.133	2017	729	1072-1078	7
2	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Amplitude analysis of D-0 → K- π ⁽⁺⁾ π ⁽⁺⁾ π ⁽⁻⁾	PHYSICAL REVIEW D	4.557	2017	95/7	72010	16
3	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Measurement of the absolute branching fraction for Λ ⁽⁺⁾ (c) → Λ ⁽⁺⁾ μ ⁽⁺⁾ ν _μ	PHYSICS LETTERS B	4.807	2017	767	42-47	6
4	[Lee, Myoung-Jae] ; [Lee, Myoung-Jae] ; [Chung, Kyu-Sun] ; [Jamil, M.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Rasheed, A.] ; [Jung, Young-Dae] ; [Jung, Young-Dae]	Article	Janus modes of Hasegawa plasma waves in a streaming and tempestuous plasma pillar	PHYSICS OF PLASMAS	2.115	2017	24/12	122111	7
5	[Sumera, P.; Rasheed, A.; Siddique, M.] Govt Coll Univ, Dept Phys, Faisalabad 38000, Pakistan; [Jamil, M.; Areeb, F.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	Landau quantization effects on hole-acoustic instability in semiconductor plasmas	PHYSICS OF PLASMAS	2.115	2017	24/12	122107	6

6	[Lund, Peter D.; Nasibulin, Albert G.] ; [Zhu, Bin]; [Zhu, Bin] ; [Li, Yongdan] ; [Li, Yongdan; Kallio, Tanja] ; [Yun, Sining]; [Nasibulin, Albert G.] ; [Raza, Rizwan] COMSATS Inst Informat Technol, Lahore 54000, Pakistan; [Leskela, Markku]; [Ni, Meng] ; [Wu, Yan] ; [Chen, Gang] Northeastern ; [Fan, Liangdong] ; [Kim, Jung-Sik] ; [Basu,	torial Mate	Standardized Procedures Important for Improving Single-Component Ceramic Fuel Cell Technology	ACS ENERGY LETTERS	ISI	2017	2/12	2752-2755	4
7	[Khan, M. I.] ; [Saleem, Muhammad] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Saleem, Muhammad] ; [Bhatti, K. A.] ; [Qindeel, Rabia; Althobaiti, Hayat Saeed; Alonizan, Noorah]	Article	Comparative study of multilayered ZnO/TiO ₂ /ZnO and TiO ₂ /ZnO/TiO ₂ thin films prepared by sol-gel dip coating method	JOURNAL OF MATERIALS SCIENCE- MATERIALS IN ELECTRONICS	2.019	2017	28/23	17499-17504	6
8	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Measurement of higher-order multipole amplitudes in $\psi(3686) \rightarrow \gamma \chi(c1,2)$ with $\chi(c1,2) \rightarrow \gamma J/\psi$ and search for Precise Measurement of the $e(+)e(-) \rightarrow \pi(+)\pi(-) J/\psi$ Cross Section at Center-of-Mass Energies from 3.77 to	PHYSICAL REVIEW D	4.557	2017	95/7	72004	13
9	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	$e(+)e(-) \rightarrow \pi(+)\pi(-) J/\psi$ Cross Section at Center-of-Mass Energies from 3.77 to	PHYSICAL REVIEW LETTERS	8.462	2017	118/9	92001	8
10	[Saleem, Muhammad; Ahmad, M. Ashfaq; Raza, Rizwan; Rehman, Saif Ur] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Saleem, Muhammad; Fang, L.] ; [Akhtar, Majid Niaz]	Article	Solution-derived ZnO nanoflowers based photoelectrodes for dye-sensitized solar cells	MATERIALS RESEARCH BULLETIN	2.446	2017	96/3/SI	211-217	7

11	[Shah, Hidayat Ullah; Wang, Fengping; Ali, Shujaat; Wang, Ziya; He, Kang] ; [Javed, Muhammad Sufyan; Shaheen, Nusrat] ; [Javed, Muhammad Sufyan; Shaheen, Nusrat] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Ye, Yaping; Wen, Jinchang]	Article	Growth of hierarchical birnessite-type Cu _{0.45} Mn _{0.55} O ₂ nanosheets on flexible carbon textile for high-performance supercapacitors electrode	JOURNAL OF ALLOYS AND COMPOUNDS	3.133	2017	725	1223-1229	7
12	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	Article	Measurement of cross sections of the interactions $e^{+}e^{-} \rightarrow \phi\phi\omega$ and $e^{+}e^{-} \rightarrow \phi\phi\phi$ at	PHYSICS LETTERS B	4.807	2017	774	78-86	9
13	[Javid, Muhammad Arshad; Mubeen, Khalida] ; [Javid, Muhammad Arshad; Mubeen, Khalida] ; [Javid, Muhammad Arshad; Mubeen, Khalida]; [Warraich, Mustansar] ; [Amin, Niamal] COMSATS Inst Informat Technol, Dept Phys, Lahore, Pakistan; [Mehmood, Zahid]	Article	Common clinical features of pediatric multiple sclerosis in Pakistan - A report of 15 cases	JOURNAL OF THE PAKISTAN MEDICAL ASSOCIATION	0.616	2017	67/11	1764-1766	3
14	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Measurement of $e^{+}e^{-} \rightarrow \pi^{+}\pi^{-}\psi(3686)$ from 4.008 to 4.600 GeV and observation of a charged structure in the $\pi^{+/-}\psi(3686)$ mass spectrum	PHYSICAL REVIEW D	4.557	2017	96/3	32004	13
15	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Determination of the Spin and Parity of the $Z(c)(3900)$	PHYSICAL REVIEW LETTERS	8.462	2017	119/7	72001	7

16	[Jamil, M.; Ali, G.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Rasheed, A.] ; [Hadi, F.] ; [Ayub, M.]	Article	Streaming Jeans-Alfvén Instability in Quantum Magnetoplasmas	ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES	1.432	2017	72/11	1003-1008	6
17	[Mumtaz, Saleem; Ahmed, Bashir; Ashiq, M. Naeem] ; [Ahmad, M. Ashfaq; Raza, Rizwan; Abbas, Ghazanfar] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Arshad, M. Sarfraz]	Article	Nano grained Sr and Zr co-doped BaCeO ₃ electrolytes for intermediate temperature solid oxide fuel cells	CERAMICS INTERNATIONAL	2.986	2017	43/16	14354-14360	7
18	[Abbas, Ghazanfar; Raza, Rizwan; Ahmad, M. Ashfaq; Khan, M. Ajmal; Ahmad, Mukhtar; Aziz, Hammad] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Abbas, Ghazanfar; Raza, Rizwan; Zhu, Bin] ; [Hussain, M. Jafar] ; [Ahmad, Imran] ; [Batool, Rida; Altaf, Faizah]	Article	Electrochemical investigation of mixed metal oxide nanocomposite electrode for low temperature solid oxide fuel cell	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	0.736	2017	31/27	1750193	15
19	[Shahid, M.] ; [Iqbal, Z.; Murtaza, G.] ; [Jamil, M.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	Raman three-wave interaction in partially spin polarized plasma	PHYSICS OF PLASMAS	2.115	2017	24/10	102113	10
20	[Idrees, Muhammad; Razaq, Aamir; Islam, Adeel; Yasmeen, Sumaira; Asif, M. H.] COMSATS IIT, Dept Phys, Def Rd, Off Raiwind Rd, Lahore 54000, Pakistan; [Sultana, K.] ; [Nadeem, M.]	Article	Morphology and Dielectric Properties of Directly Collected and Polyaniline Coated Lignocelluloses Fibers	SYNTHETIC METALS	2.435	2017	232	138-143	6

21	[Mir, Zahid; Jamil, M.; Asif, M.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Rasheed, A.] GC Univ, Dept Phys, Faisalabad 38000, Pakistan	Article	Shear Alfven Wave with Quantum Exchange Correlation Effects in Plasmas	ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES	1.432	2017	72/10	891-898	8
22	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Amplitude Analysis of the Decays $\eta' \rightarrow \pi^+\pi^-\pi^0$ and $\eta' \rightarrow \pi^0\pi^0\pi^0$	PHYSICAL REVIEW LETTERS	8.462	2017	118/1	12001	8
23	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Determination of the number of J/psi events with inclusive J/psi decays	CHINESE PHYSICS C	5.084	2017	41/1	13001	10
24	[Abdikian, A.] ; [Ehsan, Zahida] COMSATS Inst Informat Technol, Dept Phys, Def Rd, Off Raiwind Rd, Lahore 54000, Pakistan	Article	Propagation of electrostatic surface waves in a thin degenerate plasma film with electron exchange-correlation effects	PHYSICS LETTERS A	1.772	2017	381/35	2939-2943	5
25	[Wang, Baoyuan; Xia, Chen; Dong, Wenjing; Wang, Hao; Zhu, Bin] ; [Wang, Baoyuan; Cai, Yixiao; Xia, Chen; Liu, Yanyan; Afzal, Muhammad; Zhu, Bin] ; [Cai, Yixiao] ; [Kim, Jung-Sik] ; [Li, Junjiao] ; [Raza, Rizwan] COMSATS Inst Informat Technol, Dept Phys, Islamabad, Pakistan	Article	Semiconductor-ionic Membrane of LaSrCoFe-oxide-doped Ceria Solid Oxide Fuel Cells	ELECTROCHIMICA ACTA	4.798	2017	248	496-504	9

26	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Measurements of cross section of $e^{+}e^{-} \rightarrow p\bar{p}\pi^{0}$ at center-of-mass energies between 4.008 and 4.600 GeV	PHYSICS LETTERS B	4.807	2017	771	45-51	7
27	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Observation of the doubly radiative decay $\eta' \rightarrow \gamma\gamma\pi^{0}$	PHYSICAL REVIEW D	4.557	2017	96/1	12005	8
28	[Raza, Rizwan; Khan, Asifa; Rafique, Asia; Aunbreen, Ayesha; Alzhtar, Kalsoom; Ahmad, M. Ashfaq; Akhtar, Sophia; Hashmi, Khurrarn] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; [Raza, Rizwan]; [Ullah, Mehtab]; [Ali, Rashid]	Proceeding	Nanocomposite BaZr _{0.7} Sm _{0.1} Y _{0.2} O _{3-δ} -La _{0.8} Sr _{0.2} Co _{0.2} Fe _{0.8} O _{3-δ} materials for single layer fuel cell	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	3.582	2017	42/34	22280-22287	8
29	[Arshad, Muhammad Sarfraz; Naseem, Shahzad; Atiq, Shahid; Ahmed, Zahoor]; [Mushtaq, Named; Ahmad, Muhammad Ashfaq; Abbas, Ghazanfar; Raza, Rizwan] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Ali, Rashid]	Proceeding	Nickel foam anode-supported solid oxide fuel cells with composite electrolytes	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	3.582	2017	42/34	22288-22293	6
30	[Iqbal, Muhammad Faisal; Mahmood-UI-Hassan; Parveen, Bushra]; [Ashiq, Muhammad Naeem]; [Iqbal, Shahid] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Bibi, Nasreen]	Article	High Specific Capacitance and Energy density of Synthesized Graphene Oxide based Hierarchical Al ₂ S ₃ Nanorambutan for Supercapacitor Applications	ELECTROCHIMICA ACTA	4.798	2017	246	1097-1103	7

31	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	Article	Branching fraction measurements of $\psi(3686) \rightarrow \gamma \chi(cJ)$	PHYSICAL REVIEW D	4.557	2017	96/3	32001	14
32	[Jamil, Ayesha; Mustafa, Faiza; Aslam, Samia; Arshad, Usman; Ahmad, Muhammad Ashfaq] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	Structural and optical properties of thermally reduced graphene oxide for energy devices	CHINESE PHYSICS B	1.223	2017	26/8	86501	7
33	Ablikim, M.; Achasov, M. N.; [Nisar, S.]; COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Measurement of branching fractions for $\psi(3686) \rightarrow \gamma \eta', \gamma \eta,$ and $\gamma \pi(0)$	PHYSICAL REVIEW D	4.557	2017	96/5	52003	9
34	Ablikim, M.; Achasov, M. N.; [Nisar, S.]; COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Evidence for $e^+e^- \rightarrow \gamma \eta(c)(1S)$ at center-of-mass energies between 4.01 and 4.60 GeV	PHYSICAL REVIEW D	4.557	2017	96/5	51101	8
35	[Afzal, Muhammad; Madaan, Sushant; Xia, Chen; Zhu, Bin] ; [Dong, Wenjing; Zhu, Bin] ; [Raza, Rizwan] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Proceeding	Analysis of a perovskite-ceria functional layer-based solid oxide fuel cell	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	3.582	2017	42/27	17536-17543	8

36	[Khan, M. F.; Siraj, K.; Faiz, H.]; [Sattar, A.; Usman, A.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Raisanen, J.]	Article	MODIFICATION OF STRUCTURAL AND ELECTRICAL PROPERTIES OF ZnO THIN FILMS BY Ni ²⁺ IONS IRRADIATION	DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES	0.836	2017	12/3	689-695	7
37	[Khokhar, Tajammal H.]; [Khokhar, Tajammal H.; Murtaza, G.]; [Bashir, M. F.] COMSATS Inst Informat Technol Lahore, Dept Phys, Off Raiwind Rd, PO 54000, Lahore, Pakistan	Article	Anomalous skin effects in anisotropic kappa distributed plasmas	PHYSICS OF PLASMAS	2.115	2017	24/7	72105	9
38	[Ullah, M.; Shah, Z. A.]; [Rana, A. M.; Ahmed, E.]; [Raza, R.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; [Ahmad, M.]	Article	BORON-INCORPORATED DIAMOND TO ACT AS ELECTRODE MATERIAL IN LITHIUM ION BATTERIES	JOURNAL OF OVONIC RESEARCH	0.698	2017	13/4	187-194	8
39	[Feroze, Asad; Idrees, Muhammad; Shaukat, Saleem F.] COMSATS Inst Informat & Technol, Dept Phys, Def Rd, Off Raiwind Rd, Lahore 54600, Pakistan; [Feroze, Asad; Kim, Deok-kee]; [Nadeem, Muhammad; Siddique, Muhammad]; [Siddiqi, Saadat A.] COMSATS Inst Informat & Technol, IRCBM, Def Rd, Off Raiwind Rd, Lahore 54600, Pakistan; [Atif, Muhammad]	Article	Low Temperature Synthesis and Properties of BiFeO ₃	JOURNAL OF ELECTRONIC MATERIALS	1.579	2017	46/7	4582-4589	8

40	[Zhu, Bin] ; [Zhu, Bin; Wang, Baoyuan] ; [Wang, Yi; van Aken, Peter A.] ; [Raza, Rizwan] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Tan, Wenyi] ; [Kim, Jung-Sik]; [Lund, Peter]	Article	Charge separation and transport in La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-delta} and ion-doping ceria heterostructure material for new generation fuel cell	NANO ENERGY	12.343	2017	37	195-202	8
41	[Xu, Jing; Yang, Qiaoling; Huang, Chunli; Aslam, Muhammad Kashif; Chen, Changguo] ; [Javed, Muhammad Sufyan] ; [Javed, Muhammad Sufyan] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	Influence of additives fluoride and phosphate on the electrochemical performance of Mg-MnO ₂ battery	JOURNAL OF APPLIED ELECTROCHEMISTRY	2.235	2017	47/7	767-775	9
42	[Asif, Muhammad] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Asif, Anila] COMSATS Inst Informat Technol, Interdisciplinary Res Ctr Biomed Mat, Lahore 54000, Pakistan	Article	Theoretical calculation of electron density and temperature in the edge of tokamak	MODERN PHYSICS LETTERS B	0.617	2017	31/17	1750196	4
43	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Dark photon search in the mass range between 1.5 and 3.4 GeV/c	PHYSICS LETTERS B	4.807	2017	774	252-257	6
44	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Measurement of integrated luminosity and center-of-mass energy of data taken by BESIII at root s=2.125 GeV	CHINESE PHYSICS C	5.084	2017	41/11	113001	9

45	[Javed, Muhammad Sufyan; Shaheen, Nusrat; Hu, Chenguo]; [Javed, Muhammad Sufyan; Raza, Rizwan] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Idrees, Asim]	Article	Electrochemical investigations of cobalt-free perovskite cathode material for intermediate temperature solid oxide fuel cell	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	3.582	2017	42/15	10416-10422	7
46	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	Article	Observation of Lambda(+)(c) -> nK(S)(0)pi(+)	PHYSICAL REVIEW LETTERS	8.462	2017	118/11	112001	7
47	[Asif, Muhammad] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Asif, Anila] COMSATS Inst Informat Technol, Interdisciplinary Res Ctr Biomed Mat, Lahore 54000, Pakistan	Article	Effects of internal inductance on the Shafranov parameter by using the solution of equilibrium problem	MODERN PHYSICS LETTERS B	0.617	2017	31/7	1750078	5
48	[Rajesh, Dagupati; Amjad, Raja J.; de Camargo, A. S. S.]; [Amjad, Raja J.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Reza Dousti, M.]	Article	Enhanced VIS and NIR emissions of Pr ³⁺ ions in TZYN glasses containing silver ions and nanoparticles	JOURNAL OF ALLOYS AND COMPOUNDS	3.133	2017	695	607-612	6
49	[Khan, Muhammad A.; Maqbool, Waleed; Iqbal, Tariq; Qayyum, Assad; Mohuddin, Bilal]; [Khan, Muhammad A.; Maqbool, Waleed; Iqbal, Tariq; Qayyum, Assad; Mohuddin, Bilal]; [Ahmed, Ishaq]; [Mahmood, Hasan]; [Mahmood, Hasan] COMSATS Inst Informat Technol, Dept Phys, Def Rd, Lahore, Pakistan; [Xu, Wei]	Article	Carbon ion beam irradiation-induced effects on structural, morphological and optical properties of boron nitride nanowires	MATERIALS LETTERS	2.572	2017	189	28-31	4

50	[Jamil, M.; Amir, M.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Rasheed, A.] ; [Abbas, G.] ; [Jung, Young-Dae] ; [Jung, Young-Dae] ; [Jung, Young-Dae]	Article	Jeans-Alfven instability in quantum dusty magnetoplasmas	JOURNAL OF PLASMA PHYSICS	1.16	2017	83/1	905830106	9
51	[Amin, Naima] COMSATS Inst Informat Technol, Dept Phys, Lahore, Pakistan; [Yousaf, Muhammad] COMSATS Inst Informat Technol, Dept Math, Lahore, Pakistan; [Afzal, Rao Muhammad] ; [Javid, Muhammad Arshad]	Article	Comparison amongst pulse sequences for enhanced contrast to noise ratio in magnetic resonance imaging	JOURNAL OF THE PAKISTAN MEDICAL ASSOCIATION	0.616	2017	67/2	225-232	8
52	[Ali, Akbar; Imran, Muhammad; Khan, M. Ajmal; Akhtar, Majid Niaz; Ahmad, Mukhtar] Inst Informat Technol, Dept Phys, COMSATS, Lahore 54000, Pakistan; [Groessinger, R.] ; [Elahi, Asmat; Mustafa, Ghulam; Murtaza, Ghulam] ; [Khan, Muhammad Azhar; Ullah, Hafeez]	Article	Magnetic and High-Frequency Dielectric Parameters of Divalent Ion-Substituted W-Type Hexagonal Ferrites	JOURNAL OF ELECTRONIC MATERIALS	1.579	2017	46/2	903-910	8
53	[Zeba, I.; Batool, Maryam; Rozina, Ch] ; [Khan, Arroj A.; Jamil, M.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	SNS potential with exchange field in quantum dusty plasmas	PLASMA PHYSICS AND CONTROLLED FUSION	2.392	2017	59/2	25008	6
54	[Hussain, Shahid; Liu, Tianmo; Zeng, Wen] ; [Hussain, Shahid; Liu, Tianmo; Zeng, Wen]; [Javed, Muhammad Sufyan] ; [Javed, Muhammad Sufyan] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Aslam, Nimra]	Article	Highly reactive 0D ZnS nanospheres and nanoparticles for formaldehyde gas-sensing properties	SENSORS AND ACTUATORS B-CHEMICAL	5.401	2017	239	1243-1250	8

55	[Rahman, Sardar Siddique Ur; Qureshi, Muhammad Tauseef; Sultana, Kishwar; Farooq, Muhammad]; [Rehman, Wajid]; [Khan, Muhammad Yaqoob]; [Asif, Muhammad Hassan] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Rehman, Wajid]; [Sultana, Nighat]	Article	Single step growth of iron oxide nanoparticles and their use as glucose biosensor	RESULTS IN PHYSICS	0.946	2017	7	4451-4456	6
56	[Ahmad, T.; Malik, A. N.; Raza, S. S.; Kamran, M.; Manzoor, M. U.; Salman, A.; Hussain, F.; Riaz, F.; Ahmad, R.]; [Akhtar, M. N.] COMSATS Inst Informat Technol, Dept Phys, Lahore, Pakistan	Article	THERMAL, ELECTROCHEMICAL AND MECHANICAL PROPERTIES OF SHAPE MEMORY ALLOY DEVELOPED BY A CONVENTIONAL	JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES	ISI	2017	9/2	847-860	14
57	[Mustafa, Faiza; Aslam, Samia; Jamil, Ayesha; Ahmad, Muhammad Ashfaq] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	Synthesis and characterization of wide band gap nickel oxide (NiO) powder via a facile route	OPTIK	0.835	2017	140	38-44	7
58	[Akhtar, Majid Niaz; Ahmad, Mukhtar; Imran, M.; Ali, A.; Sattar, A.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Khan, Muhammad Azhar]; [Nazir, M. S.] COMSATS Inst Informat Technol, Dept Chem Engn, Lahore 54000, Pakistan; [Murtaza, G.]	Article	Evaluation of structural, morphological and magnetic properties of CuZnNi (CuxZn0.5-xNi0.5Fe2O4) nanocrystalline ferrites for core, switching and MLCI's applications	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.63	2017	421	260-268	9
59	[Rafique, Muhammad; Rafique, Muhammad Shahid; Butt, Shariqa Hassan; Kalsoom, Umber; Afzal, Amina]; [Anjum, Safia]; [Usman, Arslan] COMSATS Inst Informat Technol, Dept Phys, Lahore, Pakistan	Article	Dependence of the structural optical and thermo-physical properties of gold nanoparticles synthesized by laser ablation method on the nature of laser	OPTIK	0.835	2017	134	140-148	9

60	[Azeemi, Samina T. Yousuf; Shaukat, Saleem Farooq] COMSATS Univ, Lahore, Pakistan; [Azeemi, Khawaja Shamsuddin] ; [Khan, Idrees]; [Mahmood, Khalid] U; [Naz, Farah]	Article	EFFECT OF VISIBLE RANGE ELECTROMAGNETIC RADIATIONS ON ESCHERICHIA COLI	AFRICAN JOURNAL OF TRADITIONAL COMPLEMENTARY AND ALTERNATIVE MEDICINES	0.553	2017	14/1	24-31	8
61	[Anjum, Safia; Hameed, Sania] ; [Awan, M. S.] ; [Amed, Ejaz] ; [Sattar, Abdul] COMSATS Inst Informat Technol, Dept Phys, Lahore, Pakistan	Article	Effect of strontium doped M-Type barium hexa-ferrites on structural, magnetic and optical properties	OPTIK	0.835	2017	131	977-985	9
62	[Xu, Jing; Yang, Qiaoling; Gong, Youlai; Aslam, Muhammad Kashif; Chen, Changguo] ; [Javed, Muhammad Sufyan] ; [Javed, Muhammad Sufyan] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	The effects of NaF concentration on electrochemical and corrosion behavior of AZ31B magnesium alloy in a composite electrolyte	RSC ADVANCES	3.108	2017	7/10	5880-5887	8
63	Ablikim, M.; Achasov, M. N.; Ahmed, S.; Albrecht, M. [Nisar, S.] COMSATS, Inst Informat Technol, Def Rd, Off Raiwind Rd, Lahore 54000, Pakistan; etl	BESIII Collaboration	Study of J/psi and psi(3686) decays to pi(+) pi(-) eta '	PHYSICAL REVIEW D	4.557	2017	96/11	112012	13
64	Ablikim, M.; Achasov, M. N; [Nisar, S.] COMSATS, Inst Informat Technol, Def Rd, Off Raiwind Rd, Lahore 54000, Pakistan; etl	BESIII Collaboration	Search for psi(3686)-> gamma eta(c)(eta(1405)) -> gamma pi(+)pi(-)pi(0)	PHYSICAL REVIEW D	4.557	2017	96/11	112008	7

65	Nosheen Akbar, M. Atif Sultan, Bilal Masud and Faisal Akram	Article	Higher hybrid bottomonia in an extended potential model	Physical Review D	3.93	2017	95	74018	5
66	Rauf, Sajid, Azhar Hayat, Nawshad Muhammad, Rizwan Raza, Shakir Ahmad Shahid, Jean Louis Marty, and Akhtar Hayat.	Article	Protic ionic liquids as a versatile modulator and stabilizer in regulating artificial peroxidase activity of carbon materials for glucose colorimetric sensing	Journal of Molecular Liquids	3.648	2017	243	333-340	7
67	H. Naeem,, G. Bing, M.R. Naeem, M. Aamir, M. S. Javed	Article	A new approach for image detection based on refined Bag of Words algorithm.	Optik - International Journal for Light and Electron Optics,	0.825	2017	140	823-832	
68	Dousti, M Reza and <i>Amjad, Raja J</i>	Article	Effect of silver nanoparticles on the upconversion and near-infrared emissions of Er ³⁺ : Yb ³⁺ co-doped zinc tellurite glasses	Measurements	2.359	2017	105	114-119	
69	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd, Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Search for the rare decays J/psi -> D(0)e(+) e(-) + c.c. and psi(3686) -> D(0)e(+) e(-) + c.c.	PHYSICAL REVIEW D	4.557	2017	96/11	111101	8

70	[Rafique, M. Yasir] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Pan, Liqing; Guo, Zhengang] ; [Pan, Liqing; Guo, Zhengang]	Article	Switching behavior and novel stable states of magnetic hexagonal nanorings	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.63	2017	432	1-9	9
71	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	Article	Luminosity measurements for the R scan experiment at BESIII	CHINESE PHYSICS C	5.084	2017	41/6	63001	10
72	[Farid, Muhammad Asim; ul Hassan, Sadaf; Firdous, Attia] ; [Rafique, Muhammad Yasir] COMSATS Inst Informat & Technol, Dept Phys, Lahore 54000, Pakistan; [Irfan, Muhammad] ; [Hasan, Murtaza]	Article	Structural, Electrical and Dielectric Properties of Pyrochlore LaCrZr _{2-x} GexO ₇ Nanospheres	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	1.483	2017	17/8	5740-5744	5
73	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	Article	Study of J/psi and psi(3686) - > Sigma(1385)(0)(Sigma)over-bar(1385)(0) and Xi(0)(Xi)over-bar(0)	PHYSICS LETTERS B	4.807	2017	770	217-225	9
74	[Javed, Asif; Rasheed, A.; Siddique, M.] ; [Jamil, M.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Tsintsadze, N. L.]	Article	Effect of magnetic quantization on ion acoustic waves ultra-relativistic dense plasma	PHYSICS OF PLASMAS	2.115	2017	24/11	112301	7

75	[Shaheen, Fozia] ; [Aziz, Muhammad Hammad; Abbas, Ghazanfar; Ahmed, Mukhtar] COMSATS Inst Informat & Technol, Dept Phys, Lahore 54000, Pakistan; [Fakhar-e-Alam, Muhammad] ; [Fakhar-e-Alam, Muhammad] ; [Atif, Muhammad; Ali, Syed Mansoor] ; [Atif, Muhammad] ; [Fatima, Mahvish] ; [Ahmad, Riaz] ; [Hanif, Atif] ; [Anwar, Saqib] ; [Zafar, Fatima]	Article	An In Vitro Study of the Photodynamic Effectiveness of GO-Ag Nanocomposites against Human Breast Cancer Cells	NANOMATERIALS	3.553	2017	7	401	18
76	Ablikim, M.; Achasov, M. N; [Nisar, S.] COMSATS, Inst Informat Technol, Def Rd, Off Raiwind Rd, Lahore 54000, Pakistan; etl	BESIII Collaboration	Observation of $\chi(c_2) \rightarrow \eta$ 'eta ' and $\chi(c_0,2) \rightarrow \eta \eta$ ' '	PHYSICAL REVIEW D	4.557	2017	96/11	112006	8
77	[Rozina, Ch.; Zeba, I.; Saman, J.] ; [Jamil, M.; Khan, Arroj A.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	Low frequency waves in streaming quantum dusty plasmas	PHYSICS OF PLASMAS	2.115	2017	24/9	93702	7
78	[Aboud, Haydar] ; [Amjad, Raja J.] ; [Amjad, Raja J.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan	Article	SnO2 nanoparticles concentration dependent structural and luminescence characteristics of Er ³⁺ doped zinc-lead-phosphate glass	JOURNAL OF NON-CRYSTALLINE SOLIDS	2.124	2017	471	1-5	5

79	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Improved measurements of two-photon widths of the $\chi(cJ)$ states and helicity analysis for $\chi(c2) \rightarrow \gamma\gamma$	PHYSICAL REVIEW D	4.557	2017	96/9	92007	11
80	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Search for the rare decay $D^+ \rightarrow D(0)e^+\nu(e)$	PHYSICAL REVIEW D	4.557	2017	96/6	92002	8
81	Mubeen Zafar, M. N. Awais, Muhammad Asif, Amir Razzaq, Gul Amin	Article	Fabrication and characterization of piezoelectric nanogenerator based on Al/ZnO/Au structure	Microelectronics International	0.737	2017	34	35-39	
82	M.I. Khan, S. Imran, Shahnawaz, Muhammad Saleem, Saif Ur Rehman	Article	Annealing effect on the structural, morphological and electrical properties of TiO ₂ /ZnO bilayer thin films	Results in Physics	0.94	2017	8	249-252	
83	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Analysis of $D^+ \rightarrow (K)\overline{bar}(0)e^+\nu(e)$ and $D^+ \rightarrow \pi(0)e^+\nu(e)$ semileptonic decays	PHYSICAL REVIEW D	4.557	2017	96/1	12002	15
84	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Observation of $e^+e^- \rightarrow \eta h(c)$ at center-of-mass energies from 4.085 to 4.600 GeV	PHYSICAL REVIEW D	4.557	2017	96/1	12001	13

85	Ayesha Sohail, Sarmad Arshad, Zahida Ehsan	Article	Numerical Analysis of Plasma KdV Equation: Time fractional approach	International Journal of Applied and Computational Mathematics		2017	3(1)	1325-1336	
86	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Evidence for the singly Cabibbo suppressed decay $\Lambda_b^+(c) \rightarrow p \eta$ and search for $\Lambda_b^+(c) \rightarrow p \pi^0$	PHYSICAL REVIEW D	4.557	2017	95/11	111102	8
87	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Observation of $\psi(3686) \rightarrow e^+e^-\chi(cJ)$ and $\chi(cJ) \rightarrow e^+e^-J/\psi$	PHYSICAL REVIEW LETTERS	8.462	2017	118/22	221802	8
88	Abdur Raheem Aleem, Lubna Shahzadi, Farah Alvi, Ather Farooq Khan, Aqif Anwar Chaudhry, Ihtesham ur Rehman, Muhammad Yar	Article	Thyroxin releasing chitosan/collagen based smart hydrogels to stimulate neovascularization	Materials and Design	4.364	2017	133(11)	416-425	
89	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Improved measurements of branching fractions for $\eta(c) \rightarrow \phi \phi$ and $\omega \phi$	PHYSICAL REVIEW D	4.557	2017	95/9	92004	13
90	Ablikim, M.; Achasov, M. N.; Ahmed, S.; [Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan; et al	BESIII Collaboration	Search for the radiative leptonic decay $D^+ \rightarrow \gamma e^+ \nu(e)$	PHYSICAL REVIEW D	4.557	2017	95/7	71102	8

91	[Jamil, M.; Sahar, A.; Asif, M.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Rasheed, A.] ; [Jung, Young-Dae] ; [Jung, Young-Dae] ; [Jung, Young-Dae]	Article	The Exchange-Correlation Field Effect over the Magnetoacoustic-Gravitational Instability in Plasmas	ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL	1.432	2017	72/10	915-921	7
92	[Zahid, Maria; Islam, M. U.; Ali, Irshad; Iftikhar, Aisha; Kamran, Zunaira] ; [Awan, M. S.] ; [Ashiq, M. Naeem] ; [Naseem, Shahzad] ; [Ahmad, Mukhtar] COMSATS, Dept Phys, Raiwind Rd, Lahore, Pakistan	Article	Effect of dysprosium on structural and physical properties of Ba ₂ NiCoFe ₁₂ O ₂₂ Y-type hexaferrites	JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY	0.744	2017	53/2	875-882	8
93	[Akhtar, Majid Niaz] ; [Yousaf, M.; Khan, S. N.; Ahmad, Mukhtar] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Nazir, M. S.] COMSATS Inst Informat Technol, Dept Chem, Lahore 54000, Pakistan; [Khan, Muhammad Azhar]	Article	Structural and electromagnetic evaluations of YIG rare earth doped (Gd, Pr, Ho, Yb) nanoferrites for high frequency applications	CERAMICS INTERNATIONAL	2.986	2017	43/18	17032-17040	9
94	[Khan, Arroj A.; Jamil, M.; Asif, M.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Zeba, I.]	Article	Oscillatory wake potential with exchange-correlation in plasmas	PHYSICS OF PLASMAS	2.115	2017	24/12	123708	7
95	[Rajesh, Dagupati; Dousti, M. Reza; Amjad, Raja J.; de Camargo, A. S. S.] ; [Amjad, Raja J.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Dousti, M. Reza]	Article	Enhancement of down- and upconversion intensities in Er ³⁺ /Yb ³⁺ co-doped oxyfluoro tellurite glasses induced by Ag species and nanoparticles	JOURNAL OF LUMINESCENCE	2.686	2017	192	250-255	6
96	[Amjad, Raja J.] COMSATS Inst Informat Technol, Dept Phys, Lahore 54000, Pakistan; [Santos, W.; Jacinto, C.; Dousti, M. R.]	Article	Luminescence dynamics in Eu ³⁺ doped fluoroborate glasses	JOURNAL OF LUMINESCENCE	2.686	2017	192	827-931	5

97	Ablikim, M.; Achasov, M. N.; <u>[Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan;</u> et al	BESIII Collaboration	Observation of the helicity-selection-rule suppressed decay of the $\chi(c2)$ charmonium state	PHYSICAL REVIEW D	4.557	2017	96/11	111102	8
98	Ablikim, M.; Achasov, M. N.; Ahmed, S.; <u>[Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan;</u> et al	BESIII Collaboration	Evidence of Two Resonant Structures in $e(+)e(-)\rightarrow\pi(+) \pi(-) h(c)$	PHYSICAL REVIEW LETTERS	8.462	2017	118/9	92002	8
99	Saddam Hussaina Raja J. Amjad, Muhammad Tanveer, Muhammad Nadeem, Hasan Mahmood, Abdul Sattar, Azmat Iqbal, Irshad Hussain, Z. Amjad, Syed Zajif Hussain, S. A. Siddique, M. Reza Doustig	Article	Optical Investigation of Sm ³⁺ Doped in Phosphate Glass	Glass Physics and Chemistry	0.538	2017	43(6)	538-543	
100	Ablikim, M.; Achasov, M. N.; Ahmed, S.; <u>[Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan;</u> et al	BESIII Collaboration	Amplitude analysis of the $\chi(c1) \rightarrow \eta \pi(+) \pi(-)$ decays	PHYSICAL REVIEW D	4.557	2017	95/3	32002	14
101	Ablikim, M.; Achasov, M. N.; Ahmed, S.; <u>[Nisar, S.] COMSATS Inst Informat Technol, Def Rd,Raiwind Rd, Lahore 54000, Pakistan;</u> et al	BESIII Collaboration	Measurements of the branching fractions for $D^+ \rightarrow (KSKS^+)-K^0-K^0+$, $(KSKS^0)-K^0 \pi^+$ and $D^0 \rightarrow (KSKS^0)-K^0$, $(KSKSKS^0)-K^0-K^0$	PHYSICS LETTERS B	4.807	2017	765	231-237	7