

DEPARTMENT OF PHYSICS, CIIT-LAHORE

PUBLICATION FOR YEAR 2013

1. M Farooq , S Alam, S Naseem, S F Shaukat, “Stabilize Consequences of Y₂O₃ in Zirconia Thermal Barrier Coatings (TBC)”, Journal of Chemical Society of Pakistan (JCSP), 35(1), 37-41, (2013) Impact Factor: 1.377
2. R Farooq, M Durrani, S F Shaukat, et. al., “Treatment of tanneries waste water by ultrasound assisted electrolysis process”, Journal of Chemical Society of Pakistan (JCSP), 35(3), 599-603, (2013). Impact Factor:1.377
3. W.Tan, Rizwan Raza, B.Zhu, et al., (2013), "Studies of modified lithiated NiO cathode for low temperature solid oxide fuel cell with ceria-carbonate composite ", Int. journal of Hydrogen energy, pp: 370-376, Vol: 38(1). Impact Factor: 4.054
4. R.B.l Lima, Rizwan Raza, H. Qin, J Li, M.E Lindström, B.Zhu, Direct lignin fuel cell for power generation, RSC Adv., 2013,3, 5083-5089. Impact Factor: 2.12
5. Rizwan Raza, M.A.Ahmad, B.Zhu, “Ce_{0.8} (SmZr)_{0.2}O₂-carbonate nanocomposite electrolyte for solid oxide fuel cell” Int. Journal of Energy Research, 2013. (Accepted). Impact Factor: 2.12
6. G.Abbas, Rizwan Raza, M.A.Ahmad, B.Zhu, “Electro-chemical Study of Nano-structured Electrode for Low Temperature Solid Oxide Fuel Cell (LTSOFC)” Int. Journal of Energy Research, 2013. (Accepted). Impact Factor: 2.12
7. M. A. Khan, Rizwan Raza, R.B. Lima, M. A. Chaudhry, B.Zhu, E. Ahmed, G.Abbas Int. journal of Hydrogen energy, 2013. (Accepted). Impact Factor: 4.054
8. Majid Niaz Akhtar, Noorhana Yahya, Abdul Sattar, Hasan Mahmood, M. Rafi Raza, “Comparative study of the synthesis and characterizations of Nickel Zinc and Garnet ferrites (Y₃Fe₅O₁₂) prepared by different methods”, International Scientific Spring-2013 & One-Day International Workshop on Nano Science, March 11-15, 2013, National Centre for Physics, Quaid-i-Azam University Campus, Islamabad.
9. Majid Niaz Akhtar, Noorhana Yahya, Abdul Sattar, Hasan Mahmood, Mukhtar Ahmad, “Magnetic nanomaterials for antenna application in marine CSEM environment”, Joint International Workshop on Nanotechnology: Policy Ethics and Science (JICN), Islamabad, 25-26 March 2013.
10. Majid Niaz Akhtar, Noorhana Yahya, Abdul Sattar, Hasan Mahmood, “EM Modeling of Scale Tank and SBL Real Environment by Finite Element Method (FEM)” First National Conference/Workshop on Computational Tools (April 8 - 12, 2013) at Islamabad National Center for Physics.
11. Nadeem Nasir, Noorhana Yahya, Majid Niaz Akhtar and Muhammad Kashif”, “Antenna for Offshore hydrocarbon exploration”, Saudi International Electronics, Communications and Photonics Conference (SIEPC 2013). IEEE Explore.
12. Noorhana Yahya, Majid Niaz Akhtar, Nadeem Nasir, Afza Shafie , Maryam Sharifi Jabeli and Krzysztof Koziol, “CNT Fibres/Aluminium-NiZnFe₂O₄ Based EM Transmitter for Improved Magnitude vs. Offset (MVO) in a Scaled Marine Environment”, Journal of Nanoscience and Nanotechnology, Vol. 12, 8100-8109, 2012. doi:10.1166/jnn.2011.4528. (Scopus, Thomson ISI) Impact factor 1.98.
13. Majid Niaz Akhtar, Noorhana Yahya, Nadeem Nasir,” New EM Transmitter with Yttrium Iron Garnet (Y₃Fe₅O₁₂) Based Magnetic Feeders Potentially Used For Seabed

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14. Abdul Sattar, Majid Niaz Akhtar, Hasan Mehmood, M. Idrees, “Novel switching nanodevices: A review”, Recent Patents on Nanotechnology, Submitted (Scopus) (Impact factor 1.27)
 15. Mukhtar Ahmad, Qasim Ali, Ihsan Ali, Ishtiaq Ahmad, M. Azhar Khan, Majid Niaz Akhtar, G. Murtaza Rai, M.U. Rana, “Effects of Sr-substitution on the structural and magnetic behavior of Ba-based Y-type hexagonal ferrites”, Journal of Alloys and Compounds 580 (2013) 23–28 (Impact factor 2.20)
 16. **Majid Niaz Akhtar**, Noorhana Yahya, Abdul Sattar, M. Idrees, Mukhtar Ahmad, Hasan Mahmood, “Investigations of structural and magnetic properties of nanostructured $\text{Ni}_{0.5+x}\text{Zn}_{0.5-x}\text{Fe}_2\text{O}_4$ based magnetic feeders for CSEM Application”, International Journal of Advanced Ceramic Technology, Submitted (Impact factor 1.15)
 17. Muhammad F. Din, Ishtiaq Ahmad, Mukhtar Ahmad, M.T. Farid, M. Asif Iqbal, G. Murtaza, **Majid Niaz Akhtar**, Muhammad Farooq Warsi, Muhammad Azhar Khan, “Influence of Cd substitution on structural, electrical and magnetic properties of M-type barium hexaferrites co-precipitated nanomaterials” *Journal of Alloys and Compounds, In Press, Accepted Manuscript, 2013.*
 18. M. Asif (2013), "Approximate Methods for the Calculation of Plasma Internal Inductance for Circular Cross Section Tokamak", Journal of Modern Physics, pp: 579-581, Vol: 4, Issue: 5, Standard: 2153-1196
 19. M. Asif (2013), "Study of Effective Edge Safety Factor Using Analytical Solution of Grad-Shafranov Equation for Circular Cross Section Tokamak", Journal of Modern Physics, pp: 754-756, Vol: 4, Issue: 6, Standard: 2153-1196
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 21. Polypyrrole coated waste pulp fibers composite paper electrode for energy storage **Aamir Razaq**, M Yar, Nafeesa Mushtaq, Samia Saleemi, Irshad Hussain. (2013)