

## **PUBLICATIONS**

- *Study of structural, magnetic and microwave absorption properties of Dy-Mn substituted nanosized material in X-band frequency range*  
**Imran Sadiq**, Shahzad Naseem, Saira Riaz, Hasan M. Khan, Muhammad Naeem Ashiq, Mazhar Rana,  
Journal of Alloys and Compounds 715 (2017) 284-290
- *Multiferroics BiMn1-xAlxO3 nanoparticles: Synthesis, characterization and evaluation of various structural, physical, electrical and dielectric parameters*  
Bashir Ahmad, Rabia Raissat, Saleem Mumtaz, Zahoor Ahmad, **Imran Sadiq**, Muhammad Naeem Ashiq, Muhammad Najam-ul-Haq,  
Journal of Magnetism and Magnetic Materials 433 (2017) 71–75
- *Systematic spatial and stoichiometric screening towards understanding the surface of ultrasmall oxygenated silicon nanocrystal*  
Shanawer Niaz, Aristides D. Zdetsis, Emmanuel N. Koukaras, Ouz Gülseren, **Imran Sadiq**  
Journal of applied surface science 387 (2016) 771-778
- *Enhanced microwave absorption properties of CTAB assisted Pr-Cu substituted nanomaterial*  
**Imran Sadiq**, Shahzad Naseem, Saira Riaz, Hasan M. Khan, Muhammad Naeem Ashiq, Mazhar Rana,  
Journal of Magnetism and Magnetic Materials 414 (2016) 198-203
- *Optical Properties of Pure and Mixed Germanium and Silicon Quantum Dots*  
Shanawer Niaz, Aristides D. Zdetsis, Manzoor Ahmad Badar, Safdar Hussain, **Imran Sadiq** and Muhammad Aslam Khan  
Journal of chemical society of Pakistan 38 (2016) 207-213
- *Electrical transport properties and temperature-dependent magnetization behavior of TbZn-substituted Ca<sub>0.5</sub>Ba<sub>0.5</sub>Fe<sub>12</sub>O<sub>19</sub>hexaferrites*  
Hasan M. Khan, M. U. Islam, Yong bing Xu, Irshad Ali, M. Asif Iqbal, M. Ishaque, Muhammad Azhar Khan, Nazia Karamat, **Imran Sadiq**  
Journal of Sol-Gel Science and Technology April, 78 (2016) 151-158
- *Tunable microwave absorbing nano-material for X-band applications*  
**Imran Sadiq**, Shahzad Naseem, Muhammad Naeem Ashiq, M.A. Khan, Shanawer Niaz, M.U. Rana  
Journal of Magnetism and Magnetic Materials 401 (2016) 63 – 69
- *Structural, electrical and magnetic study of ND-NI substituted W-type Hexaferrite*

Imran Khan, **Imran Sadiq**, Irshad Ali, Mazhar-Ud-Din Rana, Muhammad Najam-UI-Haq, Afzal Shah, Imran Shakir, Muhammad Naeem Ashiq  
Journal of Magnetism and Magnetic Materials 397 (2016) 6 –10

- *Substitutional Effect of Rare Earth Element  $Ho^{3+}$  on Structural and Magnetic Properties of yttrium Iron Garnets*

K. J.KHAN, F.SALEEMI, T.ABBAS, **I.SADIQ**  
Journal of Ovonic Research 11(2015) 263 - 270

- *Structural and dielectric properties of doped ferrite nanomaterials suitable for microwave and biomedical applications"*

Progress in Natural Science; Materials International 25 (2015) 419 – 424

**Imran Sadiq**, Shahzad Naseem, Muhammad Naeem Ashiq, M.A. Khan, Shanawer Niaz, M.U. Rana

- *Spin canting effect and microwave absorption properties of Sm-Mn substituted nanosized material*

**Imran Sadiq**<sup>a\*</sup>, Shahzad Naseem<sup>a</sup>, Muhammad Naeem Ashiq<sup>b</sup>, M. Asif Iqbal<sup>c</sup>, Irshad Ali<sup>c</sup>, M.A. Khan<sup>d</sup>, Shanawar Niaz<sup>e</sup> and M.U.Rana<sup>a</sup>

Journal of Magnetism and Magnetic Materials 395 (2015) 159-165

- *Synthesis and characterization of hexagonal ferrite  $Sr_{1.8}Sm_{0.2}Co_2Ni_{1.50}Fe_{10.50}O_{22}/PST$  thin films for high frequency application.*

Irshad Ali<sup>a\*</sup>, M.U.Islam<sup>a</sup>, Muhammad Naeem Ashiq<sup>b</sup>, M.Asif Iqbal<sup>a,c</sup>, Nazia Karamat<sup>b</sup>, M. Azhar khan<sup>d</sup>, **Imran sadiq**<sup>e</sup>, Sana ijaz<sup>b</sup>, Imran Shakir<sup>f</sup>

Journal of Magnetism and Magnetic Materials 393 (2015) 352-356

- *Temperature dependent magnetic and microwave absorption properties of doubly substituted nanosized material*

**Imran Sadiq**<sup>a\*</sup>, Shahzad Naseem<sup>a</sup>, M.U.Rana<sup>a</sup>, Muhammad Naeem Ashiq<sup>b</sup>, Irshad Ali<sup>c</sup>

Journal of Magnetism and Magnetic Materials 385 (2015) 236–242

- *Synthesis and magnetic properties of (Eu–Ni) substituted Y-type hexaferrite by surfactant assisted co-precipitation method*

Irshad Ali, M.U. Islam, **Imran sadiq**, Nazia Karamat, Aisha Iftikhar, M. Azhar khan, Afzal Shah, Muhammad Athar, Imran Shakir, Muhammad Naeem Ashiq

Journal of Magnetism and Magnetic Materials 85 (2015) 386–393

- *Electrical Behavior of Tb-Mn Substituted Y-Type Hexa-ferrites for High-Frequency Applications*

Irshad Ali, M.U. Islam, Muhammad Naeem Ashiq, **Imran Sadiq**, Nazia Karamat, M. Azhar Khan, M. Ishaque. G. Murtaza, Imran Shakir and Zahoor Ahmad

Journal of Electronic Material 44 (2015) 1054-1061

- *Influence of Sm-Mn Substitution on Structural, Dielectric and Electrical Properties of X-Type Hexagonal Nanoferrites*  
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- *Nanosized Ce-Zn substituted microwave absorber material for X-band applications*  
**Imran Sadiq**, Irshad Ali, Evgeny Rebrov, Shahzad Naseem, M. Naeem Ashiq, M.U. Rana  
 Journal of Magnetism and Magnetic Materials 370 (2014) 25–31
- *High frequency dielectric properties of Eu<sup>+3</sup>-substituted Li-Mg ferrites synthesized by sol-gel auto-combustion method*  
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 M. Asif Iqbal, M.U. Islam, Irshad Ali, Muhammad Azhar khan, **Imran Sadiq**, Ihsan Ali
  
- *Structural, infrared, magnetic and microwave absorption properties of rare earth doped X-type hexagonal nanoferrites*  
 Journal of Alloys and Compounds 570 (2013) 7–13  
**Imran Sadiq** , Imran Khan , Evgeny V. Rebrov , Muhammad Naeem Ashiq , Shahzad Naseem ,M.U. Rana
  
- *Influence of Nd-Co Substitution on Structural, Electrical and Dielectric Properties of X-Type Hexagonal Nanoferrites*  
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**Imran Sadiq**, Irshad Ali, Evgeny V. Rebrov, Shahzad Naseem, M.Naeem Ashiq, and M.U. Rana
  
- *Effect of Ce Substitution on Structural and Electrical Properties of W-type Strontium Hexaferrite Nanomaterials*  
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