

## **PUBLICATIONS\_Dr.Imran Sadiq**

- *Preparation and characterization of doubly substituted microwave absorbing material by sol-gel technique for super high frequency applications*

**Imran Sadiq**, Shahzad Naseem, Saira Riaz, S. Sajjad Hussain, Muhammad Naeem Ashiq, Mazhar Rana  
Progress in Natural Science: Materials International 28 (2018) 478–482

- *Investigation of structural, electrical, electrical polarization and dielectric properties of CTAB assisted Ni<sup>2+</sup> substituted R-type nano-hexaferrites*

Tehmina Amjad, **Imran Sadiq**, Abdul Basit Javaid, Saira Riaz, Shahzad Naseem, Muhammad Nadeem  
Journal of Alloys and Compounds 770 (2019) 1112-1118

- *Synthesis and Electrical Behavior of Ni-Ti substituted Y-type Hexaferrites for High Frequency application*

Bashir Ahmad, Muhammad Naeem Ashiq, Saleem Mumtaz, Irshad Ali, Muhammad Najam-Ul-Haq, **Imran Sadiq**  
Journal of Magnetism and Magnetic Materials 451 (2018) 787–792

- *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 BiMn<sub>1-x</sub>Al<sub>x</sub>O<sub>3</sub> 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. Zdetis, Emmanuel N. Koukaras, Ouz Gülseren, **Imran Sadiq**  
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- *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,

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➤ *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  $Ca_{0.5}Ba_{0.5}Fe_{12}O_{19}$  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**

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

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**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>, Shanawer 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  $Sr_{1.8}Sm_{0.2}Co_2Ni_{1.5}Fe_{10.5}O_{22}$ /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>  
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- *Synthesis and magnetic properties of (Eu–Ni) substituted Y-type hexaferrite by surfactant assisted co-precipitation method*  
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- *Electrical Behavior of Tb-Mn Substituted Y-Type Hexa-ferrites for High-Frequency Applications*  
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Journal of Electronic Material 44 (2015) 1054-1061
- *Influence of Sm-Mn Substitution on Structural, Dielectric and Electrical Properties of X-Type Hexagonal Nanoferrites*  
**Imran Sadiq**, Irshad Ali, Evgeny V. Rebrov, M. Naeem Ashiq, Shahzad Naseem and M. U.Rana  
Journal of chemical society of Pakistan 37 (2015) 33-38
- *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  
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- *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
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