

List of Publications

Impact Factor Papers (Impact Factor: 721.415)

1. “Magnetic and Magnetization Properties of CoFeB Nanowires”, *Journal of Magnetism and Magnetic Materials*, 310, e830, 2007
R Sharif, QX Zhang, S Shamaila, S Riaz, LX Jiang and XF Han **2.002**
2. “Effect of Reaction Temperature & Reaction Time on the Structural Properties of CIGS Thin Films Deposited by Sequential Elemental Layer Technique” *Journal of Materials Science and Technology*, 23, 499, 2007 **1.610**
S Riaz and S Naseem
3. “Barium Titanate Films for Electronic Applications: Structural and Dielectric Properties”, *Surface Review and Letters*, 15(3), 237, 2008. **0.515**
S Riaz, B Khan, S Shamaila, S Naseem
4. “Magnetic and Magnetization Properties of Electrodeposited fcc CoPt Nanowire Arrays”, *Journal of Magnetism and Magnetic Materials*, 320, 1803, 2008 **2.002**
S Shamaila, R Sharif, S Riaz, M Ma, M Khaleeq ur Rehman and XF Han
5. “Lower Temperature Formation of Alumina Thin Films Through Sol-Gel Route”, *Surface Review and Letters*, 15(5) 681, 2008 **0.515**
S Riaz, S Shamaila, B Khan, S Naseem S
6. “Fabrication and Magnetic Characterization of Co_xPt_{1-x} Nanowire Arrays”, *Applied Physics A*, 92, 687, 2008 **1.884**
S Shamaila, R Sharif, S Riaz, M Ma, M Khaleeq ur Rehman and XF Han
7. “Effect of Oxygen Partial Pressure on the Properties of Reactively Evaporated Zinc Aluminate Thin Films”, *International Journal of Material Research*, 2, 237, 2009
S Riaz and S Naseem **0.862**
8. “Structural, Magnetic and Electrical Properties of Al³⁺ Substituted CuZn-Ferrites”, *Chinese Journal of Chemical Physics*, 23, 591, 2010 **0.692**
SM Ramay, SA Siddiqi, S Atiq, MS Awan and S Riaz
9. “Room Temperature Magnetic Behavior of Sol-Gel- Synthesized Mn-Doped ZnO”, *Chinese Journal of Chemical Physics*, 23 (2010) 469 **0.692**
M Saleem, SA Siddiqi, S Atiq, MS Anwar and S Riaz
10. “Pulsed laser deposition and characterization of multi-layer metal-carbon thin films”, *Applied Surface Science*, 257 (2011) 6445-6450 **2.538**
K Siraj, M Khaleeq-ur-Rehman, MS Rafique, MZ Munawar, S Riaz and S Naseem S
11. “Room Temperature Ferromagnetism in Sol-Gel deposited Un-doped ZnO Films”, *Journal of Sol-Gel Science and Technology*, 59 (2011) 584-590 **1.660**
S Riaz, S Naseem and YB Xu

12. "Fission Fragments Tracked-Etched Proresin Borate Glass", *International Journal of Pharma and Bioscience*, 3 (2012) 368 - 374 **2.96**
A Waheed, GR Mitchell, PJF Harris, M Farmer, A Watta, S Riaz, S Naseem and SK Chakarvarti
13. "Surface passivation of Ti/4H-SiC Schottky barrier diode", *Communications in Theoretical Physics* 58, (2012) 577-582
M Khalid M, S Riaz and S Naseem S **1.049**
14. "Enhanced infrared to visible upconversion emission in Er³⁺ doped phosphate glass: Role of silver nanoparticles", *Journal of Luminescence*, 132 (2012) 2714-2718
RJ Amjad, MR Sahar, SK Ghoshal, MR Dousti, S Riaz and BA Tahir **2.367**
15. "Optical Investigation of Sm³⁺ Doped Zinc- Lead-phosphate glass", *Chinese Physics Letters*, 29 (2012) 087304
RJ Amjad, MR Sahar, SK Ghoshal, MR Dousti, S Riaz and BA Tahir **0.924**
16. "Controlled nanostructuring of multiphase core-shell nanowires by a template-assisted electrodeposition approach" *Nanotechnology*, 23 (30) (2012) 305601
S Dawei, J Chen, S Riaz, W Zhou and XF Han **3.979**
17. "Study of impact ionization in the 3D FinFET structure by varying channel doping concentration at higher temperature using SYNOPSIS TCAD", *Advanced Science Letters*, 19 (2013) 753
A Bukhtiar, MA Mustafa, M Umer, M Khalid, S Riaz, S Naseem **1.253**
18. "Theoretical Investigation of Breakdown Voltage in Normally-On 4H-SiC VJFET", *Advanced Science Letters*, 19 (2013) 820
M Khalid, S Riaz and S Naseem **1.253**
19. "Annealing Time Dependent Up-conversion Luminescence Enhancement in Magnesium-Tellurite Glass" *Journal of Luminescence*, 136 (2013) 145 **2.367**
RA Amjad, MR Sahar, SK Ghosal, MR Dousti, S Riaz, AR Samavatia, R Arifina, S Naseem
20. "A Study of PVD Deposited FeO Thin Films for Magnetic Applications", *Advanced Science Letters*, 19 (2013) 785
S Riaz, S Farooq and S Naseem **1.253**
21. "Structural, Electrical and Magnetic Properties of Iron Oxide Thin Films", *Advanced Science Letters*, 19 (2013) 828
S Riaz, A Akbar and S Naseem **1.253**
22. "Plasmon enhanced upconversion fluorescence in Er³⁺:Ag phosphate Glass: Effect of heat treatment", *Chinese Physics Letters*, 30 (2) (2013) 027301 **0.924**
RA Amjad, MR Sahar, SK Ghosal, MR Dousti, S Riaz AR Samavati, MNA Jamaluddin, S Naseem

23. "Designing and Simulation of Optoelectronic Devices using SYNOPSIS TCAD", *Advanced Science Letters*, 19 (2013) 496
M Azam, S Riaz, S Naseem **1.253**
24. "Optical and Structural Properties of ZnO Thin Films for Solar Cell Applications", *Advanced Science Letters*, 19 (2013) 834
MS Akhtar, R Noor, S Riaz and S Naseem **1.253**
25. "Spectroscopic investigation of rare-earth doped Phosphate glasses containing silver nanoparticles", *Acta Physica Polonica A*, 123 (2013) 7986 **0.604**
RA Amjad, MR Sahar, SK Ghosal, MR Dousti, S Riaz, AR Samavatia, BA Tahir
26. "Comparison study of impact ionization for FinFET and FD SOI device by using TCAD", *Advanced Science Letters*, 19 (2013) 780
A Bukhtiar, MA Mustafa, M Umer, M Khalid, S Riaz and S Naseem **1.253**
27. "Preparation and Characterization of Crack-Free Sol-Gel Based SiO₂-TiO₂Hybrid Nanoparticle Film", *Journal of Sol-Gel Science and Technology*, 68 (2013) 162 **1.660**
S Islam, RA Rahman, Z Othaman, S Riaz, MA Saeed, S Naseem
28. "Optical Properties of CdTe Films Prepared by Centrifugal Coating Technique", *Advanced Science Letters*, 19 (2013) 866
S Honey, MT Bhatti, S Riaz and S Naseem **1.253**
29. "Optical and Structural Properties of Evaporated Zn_xCd_{1-x}S (0≤x≤1) Thin Films", *Advanced Science Letters*, 19 (2013) 719
S Riaz, A Sajid, A Jamil and S Naseem **1.253**
30. "Structural and Optical Properties of Sol-Gel derived Zn_{1-x}Mn_xO Thin Films", *Advanced Science Letters*, 19 (2013) 789
MS Akhtar, S Hussain, S Riaz, S Naseem **1.253**
31. "Structural and magnetic properties of FeCoNi thin films", *Indian Journal of Physics*, 88 (2014) 165 **1.785**
ZN Kayani, S Riaz, S Naseem
32. "Structural and magnetic properties of thin films of iron nitride", *Sur. Rev. Lett.*, 21 (2014) 1450013 **0.500**
ZN Kayani, S Riaz, S Naseem
33. "Optical and structural properties of thin films of ZnO at elevated temperature", *Journal of Alloys and Compounds*, 606 (2014) 177 **2.999**
ZN Kayani, T Afzal, S Riaz and S Naseem
34. "Microbiological influenced corrosion attack by Bacillus Megaterium bacteria on Al-Cu alloy", *Materials Technology: Advanced Performance Materials*, 29 (2014) 269 **0.593**
KM Deen, M Yousaf, N Afzal, S Riaz, S Naseem, A Farooq and IM Ghauri
35. "Enhanced magnetic properties of Ca doped BiFeO₃ thin films by sol-gel method", *Indian Journal of Physics*, 88 (2014) 1037 **1.785**
S Riaz S, Majid F, Shah SMH and Naseem S

36. "Growth and characterization of iron oxide nano-crystalline thin films via sol-gel dip coating method", *IEEE Transactions on Magnetics*, 50 (2014) 2200304 **1.422**
ZN Kayani, ES Khan, F Saleemi, S Riaz and S Naseem
37. "Synthesis of iron oxide nanoparticles by sol-gel technique and their characterization", *IEEE Transactions on Magnetics*, 50 (2014) 2200404 **1.422**
ZN Kayani, S Arshad, S Riaz and S Naseem
38. "Ferromagnetic effects in Cr-doped Fe₂O₃ thin films", *IEEE Transactions on Magnetics*, 50 (2014) 2200704 **1.422**
S Riaz, A Akbar and S Naseem
39. "Effect of Fe³⁺/Fe²⁺ ratio on superparamagnetic behaviour of spin coated iron oxide thin films", *IEEE Transactions on Magnetics*, 50 (2014) 2200804 **1.422**
A Akbar, S Riaz, M Bashir and S Naseem
40. "Effect of solvents on the ferromagnetic behaviour of undoped BiFeO₃ prepared by sol-gel", *IEEE Transactions on Magnetics*, 50 (2014) 2200904 **1.422**
SMH Shah, S Riaz, A Akbar, S Atiq and S Naseem
41. "Magnetic, structural and dielectric properties of Bi_{1-x}K_xFeO₃ thin films using sol-gel method", *IEEE Transactions on Magnetics*, 50 (2014) 2201004 **1.422**
SMH Shah, A Akbar, S Riaz, S Atiq and S Naseem
42. "Magnetic properties of Fe₃O₄ stabilized zirconia", *IEEE Transactions on Magnetics*, 50 (2014) 2201104 **1.422**
M Bashir, S Riaz and S Naseem
43. "Magnetic and magnetization properties of Co-doped Fe₂O₃ thin films", *IEEE Transactions on Magnetics*, 50 (2014) 2201204 **1.422**
A Akbar, S Riaz, R Ashraf and S Naseem
44. "Effect of Bi/Fe ratio on the structural and magnetic properties of BiFeO₃ thin films by sol-gel", *IEEE Transactions on Magnetics*, 50 (2014) 2201304 **1.422**
S Riaz, SMH Shah, A Akbar, ZN Kayani and S Naseem
45. "Magnetic and magnetization properties of iron aluminium oxide thin films prepared by sol-gel", *IEEE Transactions on Magnetics*, 50 (2014) 2201404 **1.422**
S Riaz, M Azam, R Ashraf and S Naseem
46. "Microwave assisted iron oxide nanoparticles – structural and magnetic properties", *IEEE Transactions on Magnetics*, 50 (2014) 2201504 **1.422**
S Riaz, R Ashraf, A Akbar and S Naseem
47. "Controlled nanostructuring of multiphase core-shell iron oxide nanoparticles", *IEEE Transactions on Magnetics*, 50 (2014) 2300204 **1.422**
S Riaz, A Akbar and S Naseem
48. "Free growth of iron oxide nanostructures by sol-gel spin coating technique – structural and magnetic properties", *IEEE Transactions on Magnetics*, 50 (2014) 2301805 **1.422**
S Riaz, R Ashraf, A Akbar and S Naseem

49. "Structural, optical and magnetic properties of cobalt doped dip coated ZnO films", *IEEE Transactions on Magnetics*, 50, 2014, 2401104 **1.422**
ZN Kayani, A Afzal, F Saleemi, S Riaz and S Naseem
50. "Structural and magnetic properties of Mn/Fe co-doped ZnO thin films prepared by sol-gel technique", *IEEE Transactions on Magnetics*, 50 (2014) 2401204 **1.422**
R Ashraf, S Riaz, M Bashir, U Khan and S Naseem
51. "Novel method to synthesize highly conducting polyanalyne-nickle sulphide nanocomposite films and the study of their structural, magnetic and electrical properties", *IEEE Transactions on Magnetics*, 50 (2014) 2900204 **1.422**
A Batool, F Kanwal, A Abbas, S Riaz and S Naseem
52. "Iron oxide nanoparticles prepared by modified co-precipitation method", *IEEE Transactions on Magnetics*, 50 (2014) 4003304 **1.422**
S Riaz, M Bashir and S Naseem
53. "Synthesis and characterization of hybrid matrix with encapsulated organic sensing dyes for pH sensing application", *Journal of Industrial and Engineering Chemistry*, 20 (2014) 4408 **3.512**
S Islam, R Rahman, Z Othaman, S Riaz and S Naseem
54. "Structural and magnetic properties of the thin film of cobalt nitride", *Surf. Rev. Lett.*, 21 (2014) 1450081 **0.500**
ZN Kayani, S Riaz and S Naseem
55. "Effect of Cu-Doped Nickel Ferrites on Structural, Magnetic, and Dielectric Properties" *IEEE Transactions on Magnetics*, 50 (2014) 2200504 **1.422**
S Anjum, A Rashid, F Bashir, S Riaz, M Pervaiz, R Zia
56. "Structural and magnetic studies on Zr doped ZnO diluted magnetic semiconductor" *Current Applied Physics*, 14 (2014) 176 **2.212**
G Murtaza, R Ahmad, MS Rashid, M Hassan, A Hussnain, MA Khan, ME Ul Haq, MA Shafique, S Riaz
57. "Characterization of copper oxide nanoparticles fabricated by the sol-gel method", *Journal of Electronic Materials*, 44 (2015) 3704 **1.798**
ZN Kayani, M Umer, S Riaz and S Naseem
58. "Effects of pH on the crystallographic structure and magnetic properties of electro-deposited Co nano-wires", *Journal of Magnetism and Magnetic Materials*, 377 (2015) 215 **2.002**
N Zafar, S Shamaila, R Sharif, H Wali, S Naseem, S Riaz and M Khaleeq-ur-Rahman
59. "Dip coated nickel zinc oxide thin films: structural, optical and magnetic investigations", *Superlattices and Microstructures*, 77 (2015) 171 **2.097**
ZN Kayani, F Kiran, S Riaz, R Zia and S Naseem
60. "Optimising conditions for the growth of nanocrystalline ZnS thin films from acidic chemical baths", *Materials Science in Semiconductor Processing*, 30 (2015) 292 **1.955**
MS Akhtar, MA Malik, S Riaz and S Naseem

61. "Structural, optical, magnetic and half-metallic studies of cobalt doped ZnS thin films deposited via chemical bath deposition", *Journal of Materials Chemistry C*, 3 (2015) 7228 MS Akhtar, YG Alghamdi, MA Malik, MRA Khalil, S Riaz and S Naseem **4.70**
62. "Structural, optical and magnetic properties of manganese zinc oxide thin films prepared by sol-gel dip coating method", *Superlattices and Microstructures*, 82 (2015) 472 **2.097**
ZN Kayani, F Nazir, S Riaz and S Naseem
63. "Structural and electromagnetic behavior evaluation of Nd-doped lithium-cobalt nanocrystals for recording media applications", *Journal of Alloys and Compounds*, 639 (2015) 268 **2.999**
ZA Gilani, MF Warsi, MN Anjum, I Shakir, S Naseem, S Riaz, MA Khan
64. "Synthesis of stabilized zirconia hollow nanoparticles: sugar as a template", *J. Sol-Gel Sci. Technol.*, 74 (2015) 275 **1.660**
S Riaz, M Bashir and S Naseem
65. "Fe₃O₄ stabilized zirconia: structural, mechanical and optical properties", *J. Sol-Gel Sci. Technol.*, 74 (2015) 281 **1.660**
M Bashir, S Riaz and S Naseem
66. "Effects of organic additives on dental zirconia ceramics: structural and mechanical properties", *J. Sol-Gel Sci. Technol.*, 74 (2015) 290 **1.660**
M Bashir, S Riaz, ZN Kayani and S Naseem
67. "Controlled nanostructuring of TiO₂ nanoparticles: a sol-gel approach", *J. Sol-Gel Sci. Technol.*, 74 (2015) 299 **1.660**
S Riaz and S Naseem
68. "Microwave-assisted sol-gel synthesis of BiFeO₃ nanoparticles", *J. Sol-Gel Sci. Technol.*, 74 (2015) 310 **1.660**
F Majid, S Riaz and S Naseem
69. "Magnetic and magnetization properties of iron oxide thin films by microwave assisted sol-gel route", *J. Sol-Gel Sci. Technol.*, 74 (2015) 320 **1.660**
A Akbar, S Riaz, R Ashraf and S Naseem
70. "Effect of Mn doping on structural, dielectric and magnetic properties of BiFeO₃ thin films", *J. Sol-Gel Sci. Technol.*, 74 (2015) 329 **1.660**
S Riaz, SMH Shah, A Akbar, S Atiq and S Naseem
71. "Structural, magnetic and dielectric properties of spinel MgFe₂O₄ by sol-gel route", *J. Sol-Gel Sci. Technol.*, 74 (2015) 340 **1.660**
M Azam, S Riaz, A Akbar and S Naseem
72. "Sol-gel synthesis and investigation of structural, electrical and magnetic properties of Pb doped La_{0.1}Bi_{0.9}FeO₃ multiferroics", *J. Sol-Gel Sci. Technol.*, 74 (2015) 352 **1.660**
I Ghafoor, SA Siddiqi, S Atiq, S Riaz and S Naseem
73. "Structural and dielectric properties of boron doped and un-doped mullite thin films", *J. Sol-Gel Sci. Technol.*, 74 (2015) 368 **1.660**
S Islam, R Rahman, S Riaz, S Naseem and Z Ottoman

74. "Room temperature ferromagnetism and half metallicity in nickel doped ZnS: Experimental and DFT studies", *Materials Chemistry and Physics*, 160 (2015) 440 **2.259**
MS Akhtar, MA Malik, S Riaz and S Naseem
75. "Nanocrystalline $Zn_{1-x}Co_{0.5x}Ni_{0.5x}Fe_2O_4$ ferrites: Fabrication via co-precipitation route with enhanced magnetic and electrical properties", *J. Mag. Mag. Mater.*, 393 (2015) 56 **2.002**
A Hassan, MA Khan, M Shahid, M Asghar, I Shakir, S Naseem, S Riaz and MF Warsi
76. "Chemical bath deposition of Fe-doped ZnS thin films: Investigations of their ferromagnetic and half-metallic properties", *Materials Science in Semiconductor Processing*, 39 (2015) 283 **1.955**
MS Akhtar, MA Malik, YG Alghamdi, KS Ahmad, S Riaz and S Naseem
77. "Synthesis and characterization of multilayered sol-gel based plastic-clad fiber optic pH sensor", *Journal of Industrial and Engineering Chemistry*, 23 (2015) 140 **3.512**
S Islam, RA Rahman, ZB Othaman, S Riaz and S Naseem
78. "Mesoporous SiO_2-TiO_2 nanocomposite For pH sensing", *Sensors and Actuators B – Chemical*, 221 (2015) 993 **4.097**
S Islam, N Bidin, S Riaz, RA Rahman, S Naseem and FM Marsin
79. "Fabrication and properties of zinc oxide thin films prepared by sol-gel dip coating method", *Mater. Sci.-Poland*, 33 (2015) 515 **0.507**
ZN Kayani, N Iqbal, S Riaz, R Zia and S Naseem
80. "Uptake and clearance analysis of technetium^{99m} labelled iron oxide nanoparticles in a rabbit brain", *IET Nanobiotechnology*, 9 (2015) 136 **1.723**
M Nadeem, M Ahmed, MA Saeed, A Shaari, S Riaz, S Naseem and K Rashid
81. "Utilizing the anti-ferromagnetic functionality of a multiferroic shell to study exchange bias in hybrid core-shell nanostructures", *Nanoscale*, 7 (2015) 13398 **7.760**
SS Ali, WJ Li, K Javed, DW Shi, S Riaz, Y Liu, YG Zhao, GJ Zhai and XF Han
82. "Synthesis and investigating the magnetic properties of magnetite nanocrystals for drug delivery", *Mod. Phys. Lett. – B*, 29 (2015) 1550122 **0.746**
MZ Ansar, S Atiq, S Riaz, S Naseem, SM Ramay and A Mahmood
83. "Enhanced exchange bias and improved ferromagnetic properties in permalloy- $BiFe_{0.9}Co_{0.05}O_3$ core-shell nanostructures", *Scientific Reports*, 5 (2015) 18203 **5.578**
K Javed, W Li, SS Ali, DW Shi, U Khan, S Riaz and XF Han
84. "Effect of calcination on structural and magnetic properties of Co-doped ZnO nanostructures" *IEEE Trans. Mag.* 51(11) (2015) 2400804 **1.422**
S Riaz, M Bashir, MA Raza, A Mahmood and S Naseem

85. "Investigation of Magnetic Anisotropy in Cobalt Chromium (CoCr_{0.5}Fe_{1.5}O₄) Spinel Ferrite Thin Films" *Journal of Superconductivity and Novel magnetism*, 28 (2015) 3147 **0.909**
S Anjum, A Salman, MS Rafique, R Zia, S Riaz and H Iqbal
86. "Exchange bias in two-step artificially grown one-dimensional hybrid Co-BiFeO₃ core-shell nanostructures" *Nanotechnology*, 27(4) (2016) 045708 **3.573**
SS Ali, WJ Li, K Javed, DW Shi, S Riaz, GJ Zhai, XF Han
87. "Fabrication and temperature dependent magnetic properties of nickel nanowires embedded in alumina templates" *Ceramics International*, 41(9), (2015) 12081 **2.605**
N Adeela, K Maaz, U Khan, S Karim, M Ahmad, M Iqbal, S Riaz, XF Han and M Maqbool
88. "Magnetic response of hybrid ferromagnetic and antiferromagnetic core-shell nanostructures" *Nanoscale*, 8(11) (2016) 6064-6070 **7.760**
U Khan, WJ Li, N Adeela, M Irfan, K Javed, CH Wan, S Riaz, XF Han
89. "Deposition of porous titanium oxide thin films as anti-fogging and anti-reflecting medium" *OPTIK*, 127(12) (2016) 5124-5127 **0.769**
ZN Kayani, Z Saleem, S Riaz, S Naseem, F Saleemi
90. "Ion beam irradiation-induced nano-welding of Ag nanowires" *Micro & Nano Letters*, 11(1) (2016) 34-37 **0.853**
H Shehla, A Ishaq, Y Khan, I Javaid, S Riaz, S Naseem, M Mazza
91. "Crystal growth of antimony substituted cobalt ferrites thin films deposited by electron beam" *OPTIK*, 127(20) (2016) 8487-8498 **0.769**
S Anjum, A Shabab, S Rafique, R Zia, S Riaz, S Hameed, M Riaz
92. "Sol-gel-based single and multilayer nanoparticle thin films on low-temperature substrate poly-methyl methacrylate for optical applications", *Journal of Sol-Gel Science and Technology*, 77(2) (2016) 396-403 **1.550**
S Islam, N Bidin, Z Haider, S Riaz, S Naseem, MA Saeed, FM Marsin
93. "Sol-gel based fiber optic pH nanosensor: Structural and sensing properties", *Sensors and Actuators A-Physical*, 238 (2016) 8-18 **2.201**
S Islam, N Bidin, Z Haider, S Riaz, S Naseem, MA Saeed, FM Marsin
94. "Sol-gel based phenolphthalein encapsulated heterogeneous silica-titania optochemical pH nanosensor" *Journal of Industrial and Engineering Chemistry*, 34 (2016) 258-268 **4.179**
S Islam, N Bidin, S Riaz, S Naseem
95. "Structural, optical and magnetic properties of aluminum doped MnZnO films deposited by dip coating", *Journal of Alloys and Compounds*, 662 (2016) 489-496 **3.014**
ZN Kayani, A Munir, S Riaz, S Naseem
96. "Correlation between structural and optical properties of surfactant assisted sol-gel based mesoporous SiO₂-TiO₂ hybrid nanoparticles for pH sensing/optochemical sensor", *Sensors and Actuators B-Chemical*, 225 (2016) 66-73 **4.758**
S Islam, N Bidin, S Riaz, S Naseem, FM Marsin
97. "Size- and Shape-Dependent Antibacterial Studies of Silver Nanoparticles Synthesized by Wet Chemical Routes" *Nanomaterials*, 6(4) (2016) 74 **2.690**

98. "Gold Nanoparticles: An Efficient Antimicrobial Agent against Enteric Bacterial Human Pathogen", *Nanomaterials*, 6(4) (2016) 71
S Shamaila, N Zafar, S Riaz, R Sharif, J Nazir, S Naseem **2.690**
99. "Structural and Magnetic Properties of Chemically Synthesized Pd-Modified NiFe₂O₄ Nanoparticles", *Chinese Journal of Chemical Physics*, 29(2) (2016) 245-248
S Atiq, SM Ramay, A Mahmood, S Riaz, S Naseem **0.496**
100. "Multilayer crack-free hybrid coatings for functional devices", *Journal of Nanophotonics*, 10(2) (2016) 026026
S Islam, N Bidin, S Riaz, S Naseem, MM Sanagi, M Imran **1.488**
101. "Correlation between particle size and magnetic characteristics of Mn-substituted ZnFe₂O₄ Ferrites", *Superlattices and Microstructures*, 93 (2016) 50-56 **2.117**
S Zawar, S Atiq, S Riaz, S Naseem
102. "Magnetic Properties of Polyvinyl Alcohol and Doxorubicine Loaded Iron Oxide Nanoparticles for Anticancer Drug Delivery Applications", *PLOS ONE*, 11(6) (2016) e0158084 **3.234**
M Nadeem, M Ahmad, MS Akhtar, A Shaari, S Riaz, S Naseem, M Masood, MA Saeed
103. "Role of Zn substitution on structural, magnetic and dielectric properties of Cu-Cr spinel ferrites", *Indian Journal of Physics*, 90(8) (2016) 869-880
S Anjum, H Nazli, R Khurram, T Zeeshan, S Riaz, A Usman **1.166**
104. "Magneto-electric characteristics in (Mn, Cu) co-doped BiFeO₃ Multiferroic Nanoparticles", *Journal of Materials Science: Materials in Electronics*, 27(9) (2016) 8966-8972 **2.019**
A Khalid, S Atiq, SM Ramay, A Mahmood, GM Mustafa, S Riaz, S Naseem
105. "Carriers Mediated Magnetic and Impedance Spectroscopic Analysis of Sol-Gel Synthesized Zn_{0.95-x} Mn_(x) Fe_{0.05}O DMSs", *Journal of Sol-Gel Science and Technology*, 79(3) (2016) 535-542 **1.550**
MS Shafiq, M Furqan, S Atiq, SM Ramay, M Saleem, S Riaz, S Naseem
106. "Sol-gel based optically active phenolphthalein encapsulated nanomatrices for sensing application", *Journal of Sol-Gel Science and Technology*, 79(3) (2016) 616-627 **1.550**
S Islam, N Bidin, S Riaz, G Krishnan, S Daud, S Naseem, FM Marsin
107. "Enhanced Microwave Absorption Properties of CTAB Assisted Pr-Cu Substituted Nanomaterial" *Journal of Magnetism and Magnetic Materials*, 414 (2016) 198-203 **2.357**
I Sadiq, S Naseem, S Riaz, HM Khan, MN Ashiq, SS Hussain, MZ Rana
108. "Structural, Optical, and Dielectric Properties of Aluminum Oxide Nanofibers Synthesized by a Lower-Temperature Sol-Gel Approach", *Journal of Electronic Materials*, 45(10) (2016) 5185-5197 **1.579**
S Riaz, Sajid-Ur-Rehman, M Abutalib, S Naseem

- 109.** “Mesoporous nanocomposite coatings for photonic devices: sol-gel approach”, *Applied Physics A-Materials Science & Processing*, 122(10) (2016) 935 **1.444**
S Islam, N Bidin, S Riaz, LP Suan, S Naseem, MM Sanagi
- 110.** “Fabrication and Characterization of $Ni_{1+x}Zr_xFe_{2-2x}O_4$ Nanoparticles for Potential Applications in High Frequency devices”, *Ceramics International*, 42(14) (2016) 16359-16363 **2.758**
M Dilshad, S Nazim, MF Warsi, M Shahid, S Naseem, S Riaz, I Shakir, S Haider, MA Khan
- 111.** “Magnetic and Dielectric Investigations of Mn-Doped Ba Hexaferrite Nanoparticles by Hydrothermal Approach”, *Journal of Electronic Materials*, 45(11) (2016) 5853-5859
N Adeela, U Khan, M Iqbal, S Riaz, H Ali, K Maaz, S Naseem **1.491**
- 112.** “Structural and magnetic response of Mn substituted Co-2 Y-type barium hexaferrites”, *Journal of Alloys and Compounds*, 686 (2016) 1017-1024 **3.014**
N Adeela, U Khan, M Iqbal, S Riaz, M Irfan, H Ali, K Javaid, I Bukhtiar, K Maaz, S Naseem
- 113.** “Structural and Complex impedance spectroscopic studies of Mg- substituted $CoFe_2O_4$ ” *Ceramics International*, 42(16) (2016) 18271-18282 **2.758**
A Zahoor, S Atiq, SK Abbas, SM Ramay, S Riaz S and S Naseem
- 114.** “Effect of Aluminum Doping Concentration on Optical, Magnetic and Microstructural properties of MnZnO thin films”, *Optik-International Journal for Light and Electron Optics*, 144 (2017) 172-179 **0.835**
ZN Kayani, T Kausar, S Riaz, S Naseem
- 115.** “Substituted Mg–Co-nanoferrite: recyclable magnetic photocatalyst for the reduction of methylene blue and degradation of toxic dyes”, *Journal of Materials Science: Materials in Electronics* 28 (2) (2017) 2250-2256 **2.019**
H Assi, S Atiq, SM Rammay, NS Alzayed, M Saleem, S Riaz, S Naseem
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Presentations at National conferences/meetings/Symposia (34+2)

INVITED TALKS AT NATIONAL LEVEL (2)

1. Invited Talk on “Nanotechnology Research at CSSP”, National Meeting on Nanotechnology Research in Pakistan, COE in Solid State Physics, Punjab University, Lahore, August 03, 2010.
2. Invited Talk on ”Iron Oxide Nanostructures for Advanced Applications”, Workshop on Nanomaterials and Their Applications, Lahore College for Women University, Lahore, April 19, 2012
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