

Saira Riaz

List of Publications by Year in descending order

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234
papers

4,501
citations

159585

30
h-index

168389

53
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235
all docs

235
docs citations

235
times ranked

4870
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally stable mesoporous pH dyes encapsulated titania nanocomposites for opto-chemical sensing. <i>Materials Research Bulletin</i> , 2022, 146, 111605.	5.2	7
2	Analysis of the Nd dopant on optical, dielectric and biological properties of ZnO nanostructures. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 105016.	3.1	10
3	Field emission properties and ferromagnetic exchange interactions in Fe^{3+} -Fe ₂ O ₃ and Fe ₃ O ₄ nanoneedles ^{â€} oleic acid-assisted growth. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4025-4042.	2.2	5
4	Role of Ca doping on oxygen vacancy production in modulating dielectric, ferroelectric and magnetic polarization in BaTiO ₃ thin films. <i>Journal of Materials Research and Technology</i> , 2022, 16, 993-1007.	5.8	9
5	Sustainable synthesis of microwave-assisted IONPs using <i>Spinacia oleracea</i> L. for control of fungal wilt by modulating the defense system in tomato plants. <i>Journal of Nanobiotechnology</i> , 2022, 20, 8.	9.1	14
6	Dielectric and ferroelectric properties of X ₈ R perovskite barium titanate for application in multilayered ceramics capacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 7405-7422.	2.2	6
7	Vanadium modified di-bismuth tetra-oxide thin films; synthesis, characterization and properties. <i>Materials Chemistry and Physics</i> , 2022, 282, 125944.	4.0	5
8	Electrochemical performance and large positive ^{â€} negative magnetodielectric coupling in iron chromite spinels. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103800.	4.9	0
9	Determination of dual magnetic phases and the study of structural, dielectric, electrical, surface morphological, optical properties of Ce ³⁺ substituted hexagonal ferrites. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164324.	5.5	21
10	Antifungal Potential of Green Synthesized Magnetite Nanoparticles Black Coffee-Magnetite Nanoparticles Against Wilt Infection by Ameliorating Enzymatic Activity and Gene Expression in <i>L.</i> <i>Frontiers in Microbiology</i> , 2022, 13, 754292.	3.5	3
11	Free radical scavenging and antimicrobial activities of MW assisted sol-gel synthesized honey mediated zirconia. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 103, 457-475.	2.4	1
12	Effect of Ce doping on crystallite size, band gap, dielectric and antibacterial properties of photocatalyst copper oxide Nano-structured thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 283, 115799.	3.5	6
13	Optimization of dielectric and magnetoresistive response in Nd _{2-x} LaxCe ₂ O ₇ (0 $\hat{\%}$ x $\hat{\%}$ 2.0) for efficient energy storage applications. <i>Materials Science in Semiconductor Processing</i> , 2022, 150, 106916.	4.0	3
14	Theoretical and experimental investigations: Synergetic effect of Yb ^{â€} Cu substitution on different properties of hexagonal ferrites. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 170, 110904.	4.0	7
15	Characterization and curve fittings of Mg ⁺² substituted R-type hexagonal ferrites. <i>Physica B: Condensed Matter</i> , 2021, 605, 412642.	2.7	10
16	Tangerine mediated synthesis of zirconia as potential protective dental coatings. <i>Materials Science and Engineering C</i> , 2021, 120, 111653.	7.3	10
17	Dielectric and magnetic response of iron oxide nanoparticles embedded in unsaturated polyester resin. <i>Physica B: Condensed Matter</i> , 2021, 602, 412554.	2.7	7
18	Structural and antimicrobial response of chitosan capped gold nanostructures employing two different synthetic routes. <i>Optical Materials</i> , 2021, 112, 110741.	3.6	4

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19	Biodistribution of iron-oxide-stabilized ^{99m} Tc- ZrO ₂ nanoparticles in rabbit using honey as a capping agent – microwave-assisted sol-gel approach. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 95-112.	2.4	4
20	Microwave assisted synthesis of Fe ₃ O ₄ stabilized ZrO ₂ nanoparticles – Free radical scavenging, radiolabeling and biodistribution in rabbits. <i>Life Sciences</i> , 2021, 271, 119070.	4.3	10
21	CNTs embedded in layered Zn-doped Co ₃ O ₄ nano-architectures as an efficient hybrid anode material for SIBs. <i>Journal of Alloys and Compounds</i> , 2021, 867, 158730.	5.5	15
22	Numerical Modeling and Optimization of Lead-Free Hybrid Double Perovskite Solar Cell by Using SCAPS-1D. <i>Journal of Renewable Energy</i> , 2021, 2021, 1-12.	3.6	46
23	Impact of interfacial trap states on achieving bias stability in polymer field-effect transistors. <i>Microelectronic Engineering</i> , 2021, 247, 111602.	2.4	3
24	Antibacterial, magnetic and dielectric properties of nano-structured V doped TiO ₂ thin films deposited by dip coating technique. <i>Materials Chemistry and Physics</i> , 2021, 267, 124659.	4.0	12
25	Structural confirmation and elucidation of optical, photo-catalytic and antibacterial properties of cerium doped Bi ₂ O ₄ . <i>Journal of Physics and Chemistry of Solids</i> , 2021, 155, 110104.	4.0	14
26	Effect of pH on phenolphthalein immobilized gold nanoparticles/nanostructures for pH sensing evaluations: sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 100, 192-204.	2.4	6
27	Thermally stable and fast responsive mesoporous cresol red functionalized silica and titania nanomaterials: fiber optic pH sensors. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 99, 497-511.	2.4	5
28	Sol-gel synthesized boron nitride (BN) thin films for antibacterial and magnetic applications. <i>Optik</i> , 2021, 243, 167502.	2.9	10
29	Structural, optical and magnetic properties of ZnO nanoparticles tailored by La ³⁺ ions. <i>Optik</i> , 2021, 244, 166816.	2.9	7
30	Optically functionalized hierarchical hematite assembled silica-titania nanocomposites for hydrocarbon detection: Fiber optic chemical sensor. <i>Microporous and Mesoporous Materials</i> , 2021, 326, 111398.	4.4	4
31	Experimental and theoretical studies: Impact of Mg-Yb double substitution on structural, dielectric and electrical properties of nanoferrites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115435.	3.5	3
32	Spin polarization and magneto-dielectric coupling in Al-modified thin iron oxide films -microwave mediated sol-gel approach. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 103, 49-66.	5.8	6
33	Inhibition mechanism of green-synthesized copper oxide nanoparticles from <i>Cassia fistula</i> towards <i>Fusarium oxysporum</i> by boosting growth and defense response in tomatoes. <i>Environmental Science: Nano</i> , 2021, 8, 1729-1748.	4.3	28
34	Flexible and disposable ultrasensitive liquid sensors based on CNTs and CNTs/ZnO-NPs spray-coated cellulose fiber frameworks. <i>Microelectronic Engineering</i> , 2021, 250, 111638.	2.4	3
35	Toxicity Evaluation of Arsenic Nanoparticles on Growth, Biochemical, Hematological, and Physiological Parameters of <i>Labeo rohita</i> Juveniles. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-10.	1.8	5
36	Magnetic and antibacterial studies of sol-gel dip coated Ce doped TiO ₂ thin films: Influence of Ce contents. <i>Ceramics International</i> , 2020, 46, 381-390.	4.8	60

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37	Enhancement in the mobility of solution processable polymer based FET by incorporating graphene interlayer. Superlattices and Microstructures, 2020, 137, 106331.	3.1	8
38	Peculiar magnetic behavior and structural, electrical, dielectric properties of substituted R-type hexagonal ferrites. Journal of Magnetism and Magnetic Materials, 2020, 499, 166309.	2.3	22
39	Antibacterial performance of glucose-fructose added MW based zirconia coatings " Possible treatment for bone infection. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 104, 103621.	3.1	14
40	Magneto-dielectric properties of in-situ oxidized magnesium-aluminium spinel thin films using electrodeposition. Ceramics International, 2020, 46, 8588-8600.	4.8	12
41	Stirring-mediated anomalous dielectric behaviour of electrodeposited and in situ oxidized FeAl ₂ O ₄ thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 814-831.	2.2	1
42	Antibacterial, magnetic, optical and dielectric analysis of novel La ₂ O ₃ doped ZnO thin films. Optical Materials, 2020, 109, 110287.	3.6	22
43	In-vitro hemolytic activity and free radical scavenging by sol-gel synthesized Fe ₃ O ₄ stabilized ZrO ₂ nanoparticles. Arabian Journal of Chemistry, 2020, 13, 7598-7608.	4.9	20
44	Enhanced magnetic, antibacterial and optical properties of Sm doped ZnO thin films: Role of Sm doping. Optical Materials, 2020, 108, 110457.	3.6	51
45	Fast responsive thermally stable silica microspheres for sensing evaluation: sol-gel approach. Journal of Sol-Gel Science and Technology, 2020, 96, 614-626.	2.4	8
46	Analysis of recoverable and energy loss density mediated by Ni/Cr co-doping in BiFeO ₃ . Journal of Materials Science: Materials in Electronics, 2020, 31, 14775-14783.	2.2	6
47	Effect of capping agent on microwave assisted sol-gel synthesized zirconia coatings for optical applications. Optik, 2020, 222, 165297.	2.9	6
48	Ethylene glycol assisted three-dimensional floral evolution of BiFeO ₃ -based nanostructures with effective magneto-electric response. Royal Society Open Science, 2020, 7, 200642.	2.4	5
49	Microwave assisted sol-gel synthesis of bioactive zirconia nanoparticles " Correlation of strength and structure. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104012.	3.1	23
50	Biosynthesis, characterization and anti-dengue vector activity of silver nanoparticles prepared from <i>Azadirachta indica</i> and <i>Citrullus colocynthis</i> . Royal Society Open Science, 2020, 7, 200540.	2.4	23
51	Exploration of structural, optical, dielectric properties and curve fittings of Yb ³⁺ -substituted $\hat{1}^2$ -type hexagonal ferrites. Journal of Materials Science: Materials in Electronics, 2020, 31, 17931-17942.	2.2	4
52	Ultrasensitive piezoresistive strain sensors based on CNTs/Ag-NPs coated highly stretchable textile. Journal of Materials Science: Materials in Electronics, 2020, 31, 9870-9877.	2.2	7
53	Silica-titania nanocomposite based fiber optic sensor for aromatic hydrocarbons detection. Optics Communications, 2020, 471, 125825.	2.1	13
54	Transparent boron-doped zinc oxide films for antibacterial and magnetic applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 11911-11926.	2.2	21

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55	Theoretical and Experimental Investigation of Microwave Absorbing X-Type Hexaferrites Nanomaterial Synthesized by Cotton Soaked Method. IEEE Transactions on Magnetics, 2020, 56, 1-10.	2.1	10
56	Synthesis of Ni ₈₀ Fe ₂₀ permalloy antidots for high storage ferroelectric memories. Materials Letters, 2020, 271, 127852.	2.6	5
57	Dielectric and Magnetic Properties of Rare-Earth Metal Ce-Doped ZnO Thin Films. Journal of Electronic Materials, 2020, 49, 3114-3123.	2.2	3
58	Microwave-Assisted Green Synthesis and Characterization of Silver Nanoparticles Using Melia azedarach for the Management of Fusarium Wilt in Tomato. Frontiers in Microbiology, 2020, 11, 238.	3.5	74
59	Dielectric and magnetic properties of dilute magnetic semiconductors Ag-doped ZnO thin films. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	12
60	CNTs/ZnO and CNTs/ZnO/Ag multilayers spray coated on cellulose fiber for use as an efficient humidity sensor. Ceramics International, 2020, 46, 25593-25597.	4.8	13
61	Thermally stable Au decorated silica-titania mesoporous nanocomposite for pH sensing evaluation. Applied Surface Science, 2020, 521, 146329.	6.1	10
62	Solvent mediated phase stability and temperature dependent magnetic modulation in BiFeO ₃ nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 503, 166563.	2.3	11
63	Role of Mn in biological, optical, and magnetic properties ZnO nano-particles. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	34
64	Colossal dielectric constant and ferroelectric investigation of BaTiO ₃ nano-ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 5402-5415.	2.2	11
65	Antimicrobial activity of citric acid functionalized iron oxide nanoparticles –“Superparamagnetic effect. Ceramics International, 2020, 46, 10942-10951.	4.8	36
66	Dip-coated V doped ZnO thin films: Dielectric and magnetic properties. Ceramics International, 2020, 46, 14605-14612.	4.8	15
67	La ³⁺ -substituted \hat{I}^2 -ferrite: Investigation of structural, dielectric, FTIR and electrical polarization properties. Journal of Alloys and Compounds, 2020, 831, 154854.	5.5	19
68	Effect of post-deposition annealing temperature on the charge carrier mobility and morphology of DPPDTT based organic field effect transistors. Chemical Physics Letters, 2020, 750, 137507.	2.6	15
69	Efficient energy storage and fast switching capabilities in Nd-substituted La ₂ Sn ₂ O ₇ pyrochlores. Chemical Engineering Journal, 2020, 396, 125198.	12.7	37
70	Comparison of optical constants of sputtered MoS ₂ and MoS ₂ /Al ₂ O ₃ composite thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 7753-7759.	2.2	1
71	Microwave assisted tuning of optical and magnetic properties of zinc oxide nanorods –“efficient antibacterial and photocatalytic agent. Journal of Sol-Gel Science and Technology, 2020, 95, 88-100.	2.4	7
72	Enhanced structural and magnetic ordering in as-synthesized Ca doped bismuth iron oxide nanoceramics. Journal of Alloys and Compounds, 2020, 832, 154725.	5.5	11

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73	Simultaneous normal and anomalous dielectric dispersion and room temperature ferroelectricity in CBD perovskite BaTiO ₃ thin films. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11439-11452.	5.8	20
74	Assessment of antibacterial and optical features of sol-gel dip coated La doped TiO ₂ thin films. <i>Materials Chemistry and Physics</i> , 2020, 250, 123217.	4.0	29
75	Fabrication and characterization of superhydrophobic coatings on cotton fabrics using silica nanoparticles for self-cleaning applications. <i>World Journal of Advanced Research and Reviews</i> , 2020, 8, 032-039.	0.2	1
76	PERCEPTION OF POULTRY FARMERS REGARDING EXTENSION SERVICES PROVIDED BY MUKHTAR FEEDS SAMUNDARI. <i>Journal of Global Innovations in Agricultural and Social Sciences</i> , 2020, 8, 31-34.	0.3	0
77	Realization of Magnetostructural Transition and Magnetocaloric Properties of Ni-Mn-Mo-Sn Heusler Alloys. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 659-665.	1.8	3
78	Optically active-thermally stable multi-dyes encapsulated mesoporous silica aerogel: A potential pH sensing nanomatrix. <i>Microporous and Mesoporous Materials</i> , 2019, 274, 183-189.	4.4	18
79	Structural and magnetic properties of nano-crystalline FeCoNiN thin films. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 392-396.	5.2	1
80	Structural tuning of dielectric properties of Ce-substituted Nd ₂ Zr ₂ O ₇ . <i>Journal of Saudi Chemical Society</i> , 2019, 23, 397-406.	5.2	22
81	Investigation of structural, electrical, electrical polarization and dielectric properties of CTAB assisted Ni ²⁺ substituted R-type nano-hexaferrites. <i>Journal of Alloys and Compounds</i> , 2019, 770, 1112-1118.	5.5	27
82	Molarity dependent oscillatory structural and magnetic behavior of phase pure BiFeO ₃ thin films: Sol-gel approach. <i>Ceramics International</i> , 2019, 45, 5111-5123.	4.8	11
83	BPB dye confined growth of surfactant-assisted mesostructured silica matrix fiber optic sensing tracers. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 427-438.	5.2	9
84	Highly stable dielectric frequency response of chemically synthesized Mn-substituted ZnFe ₂ O ₄ . <i>Journal of Saudi Chemical Society</i> , 2019, 23, 417-426.	5.2	15
85	Anomalous dielectric behavior and correlation of barrier hopping mechanism with ferroelectricity in solvent assisted phase pure bismuth iron oxide nanoparticles. <i>Materials Research Bulletin</i> , 2019, 119, 110543.	5.2	5
86	Laser Surface Hardening of Gun Metal Alloys. <i>Materials</i> , 2019, 12, 2632.	2.9	6
87	Dielectric dispersion in CoFe ₂ O ₄ /PVDF nanocomposites influenced by ceramic contents and thermal mediation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19289-19301.	2.2	5
88	Tunable properties of rare earth elements (Ce, Dy, Yb, La and Pr) substituted R-type hexagonal ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19394-19403.	2.2	9
89	Tuning of opto-electrical properties of hematite thin films using Co ²⁺ doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4203-4218.	2.2	10
90	In vivo anti-proliferative activity of silver nanoparticles against <i>Pseudomonas aeruginosa</i> in freshwater <i>Labeo rohita</i> . <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 2039-2049.	3.1	3

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91	Fluoride ion assisted growth of hierarchical flowerlike nanostructures of Co/Ni ferrites and their magnetoresistive response. RSC Advances, 2019, 9, 17581-17590.	3.6	6
92	Role of barium substitution on oxygen vacancy reduction in BiFeO ₃ thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 13305-13320.	2.2	3
93	Mesoporous anatase based opto-chemical sensor. Materials Science in Semiconductor Processing, 2019, 100, 236-244.	4.0	10
94	Thermally Stable Polypyrrole/Hematite Composites with Tunable Dielectric and Magnetic Properties. Polymer Science - Series A, 2019, 61, 112-117.	1.0	1
95	Optically active phenolphthalein encapsulated gold nanodendrites for fiber optic pH sensing. Applied Surface Science, 2019, 485, 323-331.	6.1	10
96	Geographical Variations in Life Histories of House Flies, <i>Musca domestica</i> (Diptera: Muscidae), in Punjab, Pakistan. Journal of Medical Entomology, 2019, 56, 1225-1230.	1.8	7
97	Synthesis and characterization of silver nanoparticle-decorated cobalt nanocomposites (Co@AgNPs) and their density-dependent antibacterial activity. Royal Society Open Science, 2019, 6, 182135.	2.4	62
98	Correlation of La-mediated structural transition and dielectric relaxation in Bi ₂ Mg ₂ /3Nb ₄ /3O ₇ pyrochlores. Ceramics International, 2019, 45, 14576-14585.	4.8	25
99	Optical properties and antibacterial activity of V doped ZnO used in solar cells and biomedical applications. Materials Research Bulletin, 2019, 115, 121-129.	5.2	32
100	A Comparative Assessment of Nanotoxicity Induced by Metal (Silver, Nickel) and Metal Oxide (Cobalt,) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.1	35
101	Structure and Optical Properties of TiO ₂ Thin Films Prepared by a Sol-Gel Processing. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 635-642.	1.5	2
102	Microwave assisted synthesis and antimicrobial activity of Fe ₃ O ₄ -doped ZrO ₂ nanoparticles. Ceramics International, 2019, 45, 10106-10113.	4.8	31
103	Investigation of structural, optical and magnetic characteristics of Co ₃ O ₄ thin films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	11
104	Tailoring of optical, biological and magnetic properties of nanocrystalline Fe doped TiO ₂ thin films. Materials Research Express, 2019, 6, 1250h2.	1.6	9
105	Structural and magnetization crossover in electrodeposited FeAl ₂ O ₄ effect of <i>in situ</i> oxidation. RSC Advances, 2019, 9, 38183-38194.	3.6	7
106	Influence of Al percentage on the magnetic, optical, and structural properties of Al-doped CoZnO thin films. Journal of the Australian Ceramic Society, 2019, 55, 479-487.	1.9	4
107	Role of precursor to solvent ratio in tuning the magnetization of iron oxide thin films – A sol-gel approach. Journal of Magnetism and Magnetic Materials, 2019, 471, 14-24.	2.3	20
108	On the Operational, shelf life and degradation mechanism in polymer field effect transistors. Superlattices and Microstructures, 2019, 126, 125-131.	3.1	10

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109	Tuning of optical and antibacterial characteristics of ZnO thin films: Role of Ce content. <i>Ceramics International</i> , 2019, 45, 3930-3939.	4.8	20
110	Ferromagnetic ordering and electromagnons in microwave synthesized BiFeO ₃ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 60-69.	2.3	15
111	Grown of highly porous ZnO-nanoparticles by pulsed laser ablation in liquid technique for sensing applications. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 765-771.	1.9	5
112	Role of co-doping on structural, optical and magnetic properties of nano-crystalline ZnO thin films. <i>Materials Research Express</i> , 2019, 6, 036404.	1.6	3
113	Magnetically driven robust polarization in (1-x)BiFeO ₃ -xPbTiO ₃ multiferroic composites. <i>Materials Letters</i> , 2019, 238, 10-12.	2.6	8
114	Preparation and characterization of dip coated cobalt oxide thin films. <i>Materials Research Innovations</i> , 2019, 23, 253-259.	2.3	5
115	Sol-gel based thermally stable mesoporous TiO ₂ nanomatrix for fiber optic pH sensing. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 42-50.	2.4	7
116	Effect of in-situ oxidation on structure and ferromagnetic properties of Fe ₃ Al and FeAl ₂ O ₄ thin films prepared by electrodeposition. <i>Ceramics International</i> , 2018, 44, 9550-9560.	4.8	17
117	Investigation of Fe doping on the magnetic and optical properties of ZnO thin films. <i>Materials Research Express</i> , 2018, 5, 036418.	1.6	9
118	Influence of ZnO doping on structural, optical and pH-stimulus characteristics of silica-titania nanocomposite matrix. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 826-837.	5.2	12
119	Crack-free high surface area silica-titania nanocomposite coating as opto-chemical sensor device. <i>Sensors and Actuators A: Physical</i> , 2018, 270, 153-161.	4.1	15
120	Probe of ZrTiO ₂ thin films with TiO ₂ -ZrO ₂ binary oxides deposited by dip coating technique. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 357-366.	3.8	19
121	Surface functionality and optical properties impact of phenol red dye on mesoporous silica matrix for fiber optic pH sensing. <i>Sensors and Actuators A: Physical</i> , 2018, 276, 267-277.	4.1	25
122	Synthesis of surfactant-coated cobalt ferrite nanoparticles for adsorptive removal of acid blue 45 dye. <i>Materials Research Express</i> , 2018, 5, 035058.	1.6	9
123	A comparative study of graphene growth by APCVD, LPCVD and PECVD. <i>Materials Research Express</i> , 2018, 5, 035606.	1.6	16
124	Thermal tuning of electrical and dielectric characteristics of Mn-doped Zn _{0.95} Fe _{0.05} O dilute magnetic semiconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 3943-3951.	2.2	10
125	Synthesis of optically active bromophenol blue encapsulated mesoporous silica-titania nanomatrix: structural and sensing characteristics. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 85, 231-242.	2.4	13
126	Tunable structural and electrical impedance properties of pyrochlores based Nd doped lanthanum zirconate nanoparticles for capacitive applications. <i>Ceramics International</i> , 2018, 44, 2170-2177.	4.8	66

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127	Electronic and Structural Properties of Phase-Pure Magnetite Thin Films: Effect of Preferred Orientation. <i>Journal of Electronic Materials</i> , 2018, 47, 6613-6624.	2.2	22
128	Dependence of Lattice Distortion and Dielectric Response of Zinc Aluminate on Milling Frequency. <i>Key Engineering Materials</i> , 2018, 778, 217-224.	0.4	3
129	Influence of organic pH dyes on the structural and optical characteristics of silica nanostructured matrix for fiber optic sensing. <i>Sensors and Actuators A: Physical</i> , 2018, 282, 28-38.	4.1	16
130	Optical CO ₂ Gas Sensing Based on TiO ₂ Thin Films of Diverse Thickness Decorated with Silver Nanoparticles. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-12.	1.8	15
131	CR incorporation in mesoporous silica matrix for fiber optic pH sensing. <i>Sensors and Actuators A: Physical</i> , 2018, 280, 429-436.	4.1	13
132	Effect of Cu doping on the structural, magnetic and optical properties of ZnO thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	27
133	Effect of Ni-Mn ratio on structural, martensitic and magnetic properties of Ni-Mn-Co-Ti ferromagnetic shape memory alloys. <i>Materials Research Express</i> , 2018, 5, 086102.	1.6	4
134	Synthesis of bone implant substitutes using organic additive based zirconia nanoparticles and their biodegradation study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 88, 48-57.	3.1	14
135	Biological and optical properties of sol-gel derived ZnO using different percentages of silver contents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 383-390.	5.0	17
136	Oscillatory Giant Magnetoresistance of Electrodeposited Fe/Cu/Ni Multilayered Structures—Effect of Non-Magnetic and Magnetic Layer Thicknesses. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-10.	2.1	0
137	Photocatalytic, antibacterial, optical and magnetic properties of Fe-doped ZnO nano-particles prepared by sol-gel. <i>Materials Science in Semiconductor Processing</i> , 2018, 88, 109-119.	4.0	64
138	Honey mediated microwave assisted sol-gel synthesis of stabilized zirconia nanofibers. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 87, 554-567.	2.4	14
139	Preparation and characterization of doubly substituted microwave absorbing material by sol-gel technique for super high frequency applications. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 478-482.	4.4	9
140	Tunable structural and electrical impedance properties of ordered and disordered iron oxide phases for capacitive applications. <i>Ceramics International</i> , 2018, 44, 16352-16364.	4.8	19
141	Room temperature stabilized TiO ₂ doped ZrO ₂ thin films for teeth coatings—A sol-gel approach. <i>Journal of Alloys and Compounds</i> , 2018, 767, 1238-1252.	5.5	29
142	Synthesis of NiO nanoparticles by sol-gel technique. <i>Materials Science-Poland</i> , 2018, 36, 547-552.	1.0	33
143	In vitro <i>Salmonella typhi</i> biofilm formation on gallstones and its disruption by Manuka honey. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018, 31, 129-135.	0.2	3
144	Characteristics of Al-doped ZnO:Ni films grown on glass by sol-gel dip coating technique. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 425-433.	5.2	15

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145	Study of Nickel Nitride Thin Films Deposited by Solâ€“Gel Route. Transactions of the Indian Institute of Metals, 2017, 70, 1097-1101.	1.5	2
146	Study of the structural and electronic properties of FeO at the LDA and GGA level. Chinese Journal of Physics, 2017, 55, 1135-1141.	3.9	7
147	Properties of NiZnO Thin Films with Different Amounts of Al Doping. Journal of Electronic Materials, 2017, 46, 5764-5772.	2.2	2
148	Room-temperature ferromagnetism in Ni-doped TiO ₂ diluted magnetic semiconductor thin films. Journal of Applied Research and Technology, 2017, 15, 132-139.	0.9	68
149	Study of structural, magnetic and microwave absorption properties of Dy-Mn substituted nanosized material in X-band frequency range. Journal of Alloys and Compounds, 2017, 715, 284-290.	5.5	21
150	Thermally activated variations in conductivity and activation energy in SrMnO ₃ . Journal of Materials Science: Materials in Electronics, 2017, 28, 7171-7176.	2.2	15
151	Effect of Co doping on the physical properties of Co-doped ZnO nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 5953-5961.	2.2	16
152	Surfactant and template free synthesis of porous ZnS nanoparticles. Materials Chemistry and Physics, 2017, 189, 28-34.	4.0	25
153	Self-assembled hierarchical phenolphthalein encapsulated silica nanoparticles: Structural, optical and sensing response. Sensors and Actuators A: Physical, 2017, 266, 111-121.	4.1	19
154	Optical, magnetic and structural properties of Cr-doped ZnO thin films by solâ€“gel dip-coating method. Materials Research Express, 2017, 4, 096403.	1.6	11
155	Thermally assisted electro-active regions in SrMnO ₃ ceramics. Materials Chemistry and Physics, 2017, 200, 128-135.	4.0	13
156	Structural, Optical and Magnetic Properties of Nanocrystalline Co-Doped ZnO Thin Films Grown by Solâ€“Gel. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 73, 13-21.	1.5	9
157	Influence of annealing temperature on the structural, optical, and magnetic properties of two-phase MnZnO _x (x=1, 3) thin films grown by a sol-gel method. Journal of the Australian Ceramic Society, 2017, 53, 863-874.	1.9	2
158	Effect of aluminum doping concentration on optical, magnetic and microstructural properties of MnZnO thin films. Optik, 2017, 144, 172-179.	2.9	4
159	Fabrication and characterization of nanocrystalline Al, Co:ZnO thin films by a solâ€“gel dip coating. Optical and Quantum Electronics, 2017, 49, 1.	3.3	7
160	Low temperature sol-gel based erbium doped mullite nanoparticles: Structural and optical properties. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 366-373.	5.3	5
161	Synthesis and investigation of structural, morphological, magnetic, dielectric and impedance spectroscopic characteristics of Ni-Zn ferrite nanoparticles. Ceramics International, 2017, 43, 2486-2494.	4.8	120
162	Substituted Mgâ€“Co-nanoferrite: recyclable magnetic photocatalyst for the reduction of methylene blue and degradation of toxic dyes. Journal of Materials Science: Materials in Electronics, 2017, 28, 2250-2256.	2.2	9

#	ARTICLE	IF	CITATIONS
163	Role of Ni ²⁺ Ions in Magnetite Nano-particles Synthesized by Co-precipitation Method. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1177-1186.	1.8	11
164	Synthesis and characterization of room temperature sol-gel-assisted transparent tin-doped magnesium oxide nanoparticles TM protective coating. Journal of Sol-Gel Science and Technology, 2017, 81, 623-631.	2.4	6
165	Size- and Shape-Dependent Antibacterial Studies of Silver Nanoparticles Synthesized by Wet Chemical Routes. Nanomaterials, 2016, 6, 74.	4.1	525
166	Gold Nanoparticles: An Efficient Antimicrobial Agent against Enteric Bacterial Human Pathogen. Nanomaterials, 2016, 6, 71.	4.1	239
167	Structural and Magnetic Response in Bimetallic Core/Shell Magnetic Nanoparticles. Nanomaterials, 2016, 6, 72.	4.1	12
168	Magnetic Properties of Polyvinyl Alcohol and Doxorubicine Loaded Iron Oxide Nanoparticles for Anticancer Drug Delivery Applications. PLoS ONE, 2016, 11, e0158084.	2.5	79
169	Temperature-Dependent Magnetic Response of Antiferromagnetic Doping in Cobalt Ferrite Nanostructures. Nanomaterials, 2016, 6, 73.	4.1	65
170	Structural and Magnetic Properties of Chemically Synthesized Pd-Modified NiFe ₂ O ₄ Nanoparticles. Chinese Journal of Chemical Physics, 2016, 29, 245-248.	1.3	1
171	Structural, Optical, and Dielectric Properties of Aluminum Oxide Nanofibers Synthesized by a Lower-Temperature Sol-gel Approach. Journal of Electronic Materials, 2016, 45, 5185-5197.	2.2	21
172	Fabrication and characterization of Ni _{1-x} Zr _x Fe ₂ O ₄ nanoparticles for potential applications in high frequency devices. Ceramics International, 2016, 42, 16359-16363.	4.8	9
173	Magneto-electric characteristics in (Mn, Cu) co-doped BiFeO ₃ multiferroic nanoparticles. Journal of Materials Science: Materials in Electronics, 2016, 27, 8966-8972.	2.2	24
174	Carriers mediated magnetic and impedance spectroscopic analysis of sol-gel synthesized Zn _{0.95} ^x Mn _x Fe _{0.05} O (0.05) DMSs. Journal of Sol-Gel Science and Technology, 2016, 79, 535-542.	2.4	7
175	Enhanced microwave absorption properties of CTAB assisted Pr-Cu substituted nanomaterial. Journal of Magnetism and Magnetic Materials, 2016, 414, 198-203.	2.3	11
176	Mesoporous nanocomposite coatings for photonic devices: sol-gel approach. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	5
177	Structural and complex impedance spectroscopic studies of Mg-substituted CoFe ₂ O ₄ . Ceramics International, 2016, 42, 18271-18282.	4.8	64
178	Pulsed laser deposition of SmCo thin films for MEMS applications. Journal of Applied Research and Technology, 2016, 14, 287-292.	0.9	7
179	Sol-gel based optically active phenolphthalein encapsulated nanomaterials for sensing application. Journal of Sol-Gel Science and Technology, 2016, 79, 616-627.	2.4	11
180	Multilayer crack-free hybrid coatings for functional devices. Journal of Nanophotonics, 2016, 10, 026026.	1.0	4

#	ARTICLE	IF	CITATIONS
181	Sol-gel based phenolphthalein encapsulated heterogeneous silica-titania optochemical pH nanosensor. Journal of Industrial and Engineering Chemistry, 2016, 34, 258-268.	5.8	33
182	Deposition of porous titanium oxide thin films as anti-fogging and anti-reflecting medium. Optik, 2016, 127, 5124-5127.	2.9	9
183	Sol-gel based fiber optic pH nanosensor: Structural and sensing properties. Sensors and Actuators A: Physical, 2016, 238, 8-18.	4.1	35
184	Correlation between particle size and magnetic characteristics of Mn-substituted ZnFe ₂ O ₄ ferrites. Superlattices and Microstructures, 2016, 93, 50-56.	3.1	33
185	Structural, optical and magnetic properties of aluminum doped MnZnO films deposited by dip coating. Journal of Alloys and Compounds, 2016, 662, 489-496.	5.5	12
186	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, 2016, 77, 396-403.	2.4	13
187	Structural, dielectric and magnetic properties of sol-gel synthesized Bi _{1-x} La _x FeO ₃ nanoparticles (x=0.3). , 2016, , .		0
188	Structural and Mechanical Properties of Surcose Added Zirconia Thin Films. Materials Today: Proceedings, 2015, 2, 5777-5785.	1.8	4
189	Structural, optical, magnetic and half-metallic studies of cobalt doped ZnS thin films deposited via chemical bath deposition. Journal of Materials Chemistry C, 2015, 3, 6755-6763.	5.5	59
190	Uptake and clearance analysis of Technetium ^{99m} labelled iron oxide nanoparticles in a rabbit brain. IET Nanobiotechnology, 2015, 9, 136-141.	3.8	8
191	Structural and Optical Properties of Zirconia Thin Films. Materials Today: Proceedings, 2015, 2, 5771-5776.	1.8	5
192	Effects of Temperature on Zirconia Nanoparticles During and after Synthesis. Materials Today: Proceedings, 2015, 2, 5786-5792.	1.8	7
193	Thickness Dependent Optimization of 1-5 Phase of SmCo Thin Films Deposited by Pulsed Laser. Materials Today: Proceedings, 2015, 2, 5582-5586.	1.8	1
194	Structural, Magnetic and Dielectric Properties of Ba Doped BiFeO ₃ Thin Films. Materials Today: Proceedings, 2015, 2, 5654-5659.	1.8	5
195	FeAl ₂ O ₄ Thin Films Prepared by Sol-gel - Structural and Magnetic Properties. Materials Today: Proceedings, 2015, 2, 5150-5154.	1.8	8
196	Effect of Oxidation Temperature on Structural and Magnetic Properties of Al-doped Iron Oxide Thin Films. Materials Today: Proceedings, 2015, 2, 5400-5404.	1.8	4
197	Fabrication and properties of zinc oxide thin film prepared by sol-gel dip coating method. Materials Science-Poland, 2015, 33, 515-520.	1.0	59
198	Sol-gel synthesis and investigation of structural, electrical and magnetic properties of Pb doped La _{0.1} Bi _{0.9} FeO ₃ multiferroics. Journal of Sol-Gel Science and Technology, 2015, 74, 352-356.	2.4	25

#	ARTICLE	IF	CITATIONS
199	ICSSPâ€™13 secretaryâ€™s preface. Journal of Sol-Gel Science and Technology, 2015, 74, 273-273.	2.4	0
200	Structural and dielectric properties of boron-doped and un-doped mullite thin films. Journal of Sol-Gel Science and Technology, 2015, 74, 368-377.	2.4	5
201	Mesoporous SiO ₂ â€“TiO ₂ nanocomposite for pH sensing. Sensors and Actuators B: Chemical, 2015, 221, 993-1002.	7.8	28
202	Characterization of Copper Oxide Nanoparticles Fabricated by the Solâ€“Gel Method. Journal of Electronic Materials, 2015, 44, 3704-3709.	2.2	117
203	Nanocrystalline Zn _{1-x} Co _{0.5} Ni _{0.5} Fe ₂ O ₄ ferrites: Fabrication via co-precipitation route with enhanced magnetic and electrical properties. Journal of Magnetism and Magnetic Materials, 2015, 393, 56-61.	2.3	54
204	Structural, optical and magnetic properties of manganese zinc oxide thin films prepared by solâ€“gel dip coating method. Superlattices and Microstructures, 2015, 82, 472-482.	3.1	24
205	Effect of Calcination on Structural and Magnetic Properties of Co-Doped ZnO Nanostructures. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	11
206	Dip coated nickel zinc oxide thin films: Structural, optical and magnetic investigations. Superlattices and Microstructures, 2015, 77, 171-180.	3.1	22
207	Optimising conditions for the growth of nanocrystalline ZnS thin films from acidic chemical baths. Materials Science in Semiconductor Processing, 2015, 30, 292-297.	4.0	35
208	Synthesis and characterization of multilayered solâ€“gel based plastic-clad fiber optic pH sensor. Journal of Industrial and Engineering Chemistry, 2015, 23, 140-144.	5.8	25
209	STRUCTURAL AND MAGNETIC PROPERTIES OF THIN FILM OF IRON NITRIDE. Surface Review and Letters, 2014, 21, 1450013.	1.1	7
210	STRUCTURAL AND MAGNETIC PROPERTIES OF THE THIN FILM OF COBALT NITRIDE. Surface Review and Letters, 2014, 21, 1450081.	1.1	3
211	Synthesis and characterization of hybrid matrix with encapsulated organic sensing dyes for pH sensing application. Journal of Industrial and Engineering Chemistry, 2014, 20, 4408-4414.	5.8	22
212	Novel Method to Synthesize Highly Conducting Polyaniline/ Nickel Sulfide Nanocomposite Films and the Study of Their Structural, Magnetic, and Electrical Properties. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	3
213	Ferromagnetic Effects in Cr-Doped Fe ₂ O ₃ Thin Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	12
214	Growth and Characterization of Iron Oxide Nanocrystalline Thin Films via Sol-Gel Dip Coating Method. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	6
215	Effect of Cu-Doped Nickel Ferrites on Structural, Magnetic, and Dielectric Properties. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	30
216	Magnetic and Magnetization Properties of Iron Aluminum Oxide Thin Films Prepared by Sol-Gel. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2

#	ARTICLE	IF	CITATIONS
217	Magnetic Properties of Fe ₃ O ₄ Stabilized Zirconia. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	11
218	Structural and Magnetic Properties of Mn/Fe co-Doped ZnO Thin Films Prepared by Sol-Gel Technique. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	10
219	Microwave Assisted Iron Oxide Nanoparticles Structural and Magnetic Properties. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	12
220	Effect of Solvents on the Ferromagnetic Behavior of Undoped BiFeO ₃ Prepared by Sol-Gel. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	11
221	Effect of Fe ³⁺ /Fe ²⁺ Ratio on Superparamagnetic Behavior of Spin Coated Iron Oxide Thin Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	12
222	Magnetic, Structural, and Dielectric Properties of Bi _{1-x} K _x FeO ₃ Thin Films Using Sol-Gel. IEEE Transactions on Magnetics, 2014, 50, 1-4.		
223	Magnetic and Magnetization Properties of Co-Doped Fe ₂ O ₃ Thin Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	22
224	Structural, Optical, and Magnetic Properties of Cobalt-Doped Dip Coated ZnO Films. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	11
225	Free Growth of Iron Oxide Nanostructures by Sol-Gel Spin Coating Technique Structural and Magnetic Properties. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	10
226	Effect of Bi/Fe Ratio on the Structural and Magnetic Properties of BiFeO ₃ Thin Films by Sol-Gel. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	10
227	Synthesis of Iron Oxide Nanoparticles by Sol-Gel Technique and Their Characterization. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	45
228	Optical and structural properties of thin films of ZnO at elevated temperature. Journal of Alloys and Compounds, 2014, 606, 177-181.	5.5	30
229	Preparation and characterization of crack-free sol-gel based SiO ₂ /TiO ₂ hybrid nanoparticle film. Journal of Sol-Gel Science and Technology, 2013, 68, 162-168.	2.4	34
230	Structural, Electrical and Magnetic Properties of Iron Oxide Thin Films. Advanced Science Letters, 2013, 19, 828-833.	0.2	30
231	Room Temperature Magnetic Behavior of Sol-Gel Synthesized Mn Doped ZnO. Chinese Journal of Chemical Physics, 2010, 23, 469-472.	1.3	20
232	Effect of varying oxygen partial pressure on the properties of reactively evaporated zinc aluminate thin films. International Journal of Materials Research, 2009, 100, 234-237.	0.3	5
233	Analysis of Electric Transport Mechanism of Barium Titanate by Impedance Spectroscopy. Key Engineering Materials, 0, 778, 206-211.	0.4	1
234	Magneto-dielectric behavior of electrodeposited FeAl ₂ O ₄ nanostructures. Journal of Materials Science: Materials in Electronics, 0, , .	2.2	0