

Shahzad Naseem

List of Publications by Year in descending order

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504
papers

7,992
citations

87723

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128067

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506
all docs

506
docs citations

506
times ranked

7640
citing authors

#	ARTICLE	IF	CITATIONS
1	Size- and Shape-Dependent Antibacterial Studies of Silver Nanoparticles Synthesized by Wet Chemical Routes. <i>Nanomaterials</i> , 2016, 6, 74.	1.9	525
2	Gold Nanoparticles: An Efficient Antimicrobial Agent against Enteric Bacterial Human Pathogen. <i>Nanomaterials</i> , 2016, 6, 71.	1.9	239
3	Synthesis and investigation of structural, morphological, magnetic, dielectric and impedance spectroscopic characteristics of Ni-Zn ferrite nanoparticles. <i>Ceramics International</i> , 2017, 43, 2486-2494.	2.3	120
4	Characterization of Copper Oxide Nanoparticles Fabricated by the Solâ€“Gel Method. <i>Journal of Electronic Materials</i> , 2015, 44, 3704-3709.	1.0	117
5	Effect of Tb ³⁺ substitution on the structural and magnetic properties of M-type hexaferrites synthesized by solâ€“gel auto-combustion technique. <i>Journal of Alloys and Compounds</i> , 2013, 550, 564-572.	2.8	103
6	Preparation and characterization of hybrid pH-sensitive hydrogels of chitosan-co-acrylic acid for controlled release of verapamil. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2805-2816.	1.7	101
7	High efficiency indium tin oxide/indium phosphide solar cells. <i>Applied Physics Letters</i> , 1985, 46, 164-166.	1.5	99
8	Magnetic Properties of Polyvinyl Alcohol and Doxorubicine Loaded Iron Oxide Nanoparticles for Anticancer Drug Delivery Applications. <i>PLoS ONE</i> , 2016, 11, e0158084.	1.1	79
9	Microwave-Assisted Green Synthesis and Characterization of Silver Nanoparticles Using <i>Melia azedarach</i> for the Management of <i>Fusarium Wilt</i> in Tomato. <i>Frontiers in Microbiology</i> , 2020, 11, 238.	1.5	74
10	Room-temperature ferromagnetism in Ni-doped TiO ₂ diluted magnetic semiconductor thin films. <i>Journal of Applied Research and Technology</i> , 2017, 15, 132-139.	0.6	68
11	Synthesis of super paramagnetic particles of Mn ^{1-x} Mg ^x Fe ₂ O ₄ ferrites for hyperthermia applications. <i>Journal of Alloys and Compounds</i> , 2014, 601, 116-119.	2.8	66
12	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.	2.3	66
13	Structural and dielectric properties of doped ferrite nanomaterials suitable for microwave and biomedical applications. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 419-424.	1.8	65
14	Temperature-Dependent Magnetic Response of Antiferromagnetic Doping in Cobalt Ferrite Nanostructures. <i>Nanomaterials</i> , 2016, 6, 73.	1.9	65
15	Structural and complex impedance spectroscopic studies of Mg-substituted CoFe ₂ O ₄ . <i>Ceramics International</i> , 2016, 42, 18271-18282.	2.3	64
16	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.	1.9	64
17	Synthesis and characterization of silver nanoparticle-decorated cobalt nanocomposites (Co@AgNPs) and their density-dependent antibacterial activity. <i>Royal Society Open Science</i> , 2019, 6, 182135.	1.1	62
18	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.	2.3	60

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19	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.	2.7	59
20	Fabrication and properties of zinc oxide thin film prepared by sol-gel dip coating method. Materials Science-Poland, 2015, 33, 515-520.	0.4	59
21	Influence of cobalt doping on structural and magnetic properties of BiFeO ₃ nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	57
22	Encapsulation and characterization of controlled release flurbiprofen loaded microspheres using beeswax as an encapsulating agent. Journal of Materials Science: Materials in Medicine, 2010, 21, 1621-1630.	1.7	56
23	Effects of oxygen partial pressure on the properties of reactively evaporated thin films of indium oxide. Thin Solid Films, 1988, 156, 161-171.	0.8	55
24	Chemical bath deposition of Fe-doped ZnS thin films: Investigations of their ferromagnetic and half-metallic properties. Materials Science in Semiconductor Processing, 2015, 39, 283-291.	1.9	55
25	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.	1.0	54
26	Room temperature ferromagnetism in sol-gel deposited un-doped ZnO films. Journal of Sol-Gel Science and Technology, 2011, 59, 584-590.	1.1	51
27	Enhanced magnetic, antibacterial and optical properties of Sm doped ZnO thin films: Role of Sm doping. Optical Materials, 2020, 108, 110457.	1.7	51
28	Structural and electromagnetic behavior evaluation of Nd-doped lithium-cobalt nanocrystals for recording media applications. Journal of Alloys and Compounds, 2015, 639, 268-273.	2.8	49
29	Structural and magnetic response of Mn substituted Co ₂ Y-type barium hexaferrites. Journal of Alloys and Compounds, 2016, 686, 1017-1024.	2.8	49
30	Numerical Modeling and Optimization of Lead-Free Hybrid Double Perovskite Solar Cell by Using SCAPS-1D. Journal of Renewable Energy, 2021, 2021, 1-12.	2.1	46
31	Influence of Pb doping on structural, electrical and magnetic properties of Sr-hexaferrites. Journal of Alloys and Compounds, 2013, 555, 263-267.	2.8	45
32	Synthesis of Iron Oxide Nanoparticles by Sol-Gel Technique and Their Characterization. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	45
33	Structural, infrared, magnetic and microwave absorption properties of rare earth doped X-type hexagonal nanoferrites. Journal of Alloys and Compounds, 2013, 570, 7-13.	2.8	43
34	Effect of Mn doping on structural, dielectric and magnetic properties of BiFeO ₃ thin films. Journal of Sol-Gel Science and Technology, 2015, 74, 329-339.	1.1	42
35	Nanosized Ce-Zn substituted microwave absorber material for X-band applications. Journal of Magnetism and Magnetic Materials, 2014, 370, 25-31.	1.0	40
36	Role of Tb-Mn substitution on the magnetic properties of Y-type hexaferrites. Journal of Alloys and Compounds, 2014, 599, 131-138.	2.8	40

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37	Deposition of titanium nitride on Si(100) wafers using plasma focus. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 768-772.	0.6	39
38	Optoelectrical and structural properties of evaporated indium oxide thin films. Solar Energy Materials and Solar Cells, 1993, 31, 155-162.	3.0	38
39	First principles study of scandium nitride and yttrium nitride alloy system: Prospective material for optoelectronics. Superlattices and Microstructures, 2015, 85, 24-33.	1.4	38
40	Design and implementation of an efficient FIR digital filter. Cogent Engineering, 2017, 4, 1323373.	1.1	37
41	Efficient energy storage and fast switching capabilities in Nd-substituted La ₂ Sn ₂ O ₇ pyrochlores. Chemical Engineering Journal, 2020, 396, 125198.	6.6	37
42	Antimicrobial activity of citric acid functionalized iron oxide nanoparticles –Superparamagnetic effect. Ceramics International, 2020, 46, 10942-10951.	2.3	36
43	Annealing time dependent up-conversion luminescence enhancement in magnesium-tellurite glass. Journal of Luminescence, 2013, 136, 145-149.	1.5	35
44	Surface roughness and electrical resistivity of high-purity zinc irradiated with nanosecond visible laser pulses. Applied Surface Science, 2014, 305, 466-473.	3.1	35
45	Optimising conditions for the growth of nanocrystalline ZnS thin films from acidic chemical baths. Materials Science in Semiconductor Processing, 2015, 30, 292-297.	1.9	35
46	Correlation between structural and optical properties of surfactant assisted sol-gel based mesoporous SiO ₂ -TiO ₂ hybrid nanoparticles for pH sensing/optochemical sensor. Sensors and Actuators B: Chemical, 2016, 225, 66-73.	4.0	35
47	Sol-gel based fiber optic pH nanosensor: Structural and sensing properties. Sensors and Actuators A: Physical, 2016, 238, 8-18.	2.0	35
48	A Comparative Assessment of Nanotoxicity Induced by Metal (Silver, Nickel) and Metal Oxide (Cobalt,) Tj ETQq0 0 0 rgt /Overlock 10 T	1.9	35
49	The influence of deposition parameters on the optical and electrical properties of r.f.-sputter-deposited indium tin oxide films. Thin Solid Films, 1986, 138, 65-70.	0.8	34
50	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.	1.1	34
51	Electrical impedance functionality and spin orientation transformation of nanostructured Sr-substituted BaMnO ₃ hexagonal perovskites. Journal of Alloys and Compounds, 2017, 712, 720-731.	2.8	34
52	Magnetic phase transition and magneto-dielectric analysis of spinel chromites: MCr ₂ O ₄ (M = Fe, Co) Tj ETQq0 0 0 rgt /Overlock 10 T	2.3	34
53	Role of Mn in biological, optical, and magnetic properties ZnO nano-particles. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	34
54	Microwave-assisted sol-gel synthesis of BiFeO ₃ nanoparticles. Journal of Sol-Gel Science and Technology, 2015, 74, 310-319.	1.1	33

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55	Structural and dielectric properties of sol-gel synthesized (Mn, Cu) co-doped BiFeO ₃ ceramics. Journal of Sol-Gel Science and Technology, 2016, 80, 814-820.	1.1	33
56	Sol-gel based phenolphthalein encapsulated heterogeneous silica-titania optochemical pH nanosensor. Journal of Industrial and Engineering Chemistry, 2016, 34, 258-268.	2.9	33
57	Correlation between particle size and magnetic characteristics of Mn-substituted ZnFe ₂ O ₄ ferrites. Superlattices and Microstructures, 2016, 93, 50-56.	1.4	33
58	Synthesis of NiO nanoparticles by sol-gel technique. Materials Science-Poland, 2018, 36, 547-552.	0.4	33
59	Spin canting effect and microwave absorption properties of Sm-Mn substituted nanosized material. Journal of Magnetism and Magnetic Materials, 2015, 395, 159-165.	1.0	32
60	MeV carbon ion irradiation-induced changes in the electrical conductivity of silver nanowire networks. Current Applied Physics, 2015, 15, 642-647.	1.1	32
61	Structural, dielectric and ferromagnetic properties of nano-crystalline Co-doped SnS. Journal of Materials Science, 2017, 52, 7369-7381.	1.7	32
62	An efficient Sm and Ge co-doped ceria nanocomposite electrolyte for low temperature solid oxide fuel cells. Ceramics International, 2018, 44, 170-174.	2.3	32
63	Optical properties and antibacterial activity of V doped ZnO used in solar cells and biomedical applications. Materials Research Bulletin, 2019, 115, 121-129.	2.7	32
64	Microwave assisted synthesis and antimicrobial activity of Fe ₃ O ₄ -doped ZrO ₂ nanoparticles. Ceramics International, 2019, 45, 10106-10113.	2.3	31
65	Optical and structural properties of thin films of ZnO at elevated temperature. Journal of Alloys and Compounds, 2014, 606, 177-181.	2.8	30
66	Controlled nanostructuring of TiO ₂ nanoparticles: a sol-gel approach. Journal of Sol-Gel Science and Technology, 2015, 74, 299-309.	1.1	30
67	Effects of pH on the crystallographic structure and magnetic properties of electrodeposited cobalt nanowires. Journal of Magnetism and Magnetic Materials, 2015, 377, 215-219.	1.0	30
68	Structural, Electrical and Magnetic Properties of Iron Oxide Thin Films. Advanced Science Letters, 2013, 19, 828-833.	0.2	30
69	A COMPREHENSIVE DFT STUDY OF ZINC OXIDE IN DIFFERENT PHASES. International Journal of Modern Physics C, 2012, 23, 1250043.	0.8	29
70	Magnetic and magnetization properties of iron oxide thin films by microwave assisted sol-gel route. Journal of Sol-Gel Science and Technology, 2015, 74, 320-328.	1.1	29
71	Tunable microwave absorbing nano-material for X-band applications. Journal of Magnetism and Magnetic Materials, 2016, 401, 63-69.	1.0	29
72	Room temperature stabilized TiO ₂ doped ZrO ₂ thin films for teeth coatings-A sol-gel approach. Journal of Alloys and Compounds, 2018, 767, 1238-1252.	2.8	29

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73	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.	2.0	29
74	Influence of Nd-Co Substitution on Structural, Electrical, and Dielectric Properties of X-Type Hexagonal Nanoferrites. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 622-627.	1.2	28
75	Preparation and Characterization of ZnO Nanowires and their Applications in CO ₂ Gas Sensors. <i>Materials Today: Proceedings</i> , 2015, 2, 5714-5719.	0.9	28
76	Sol-Gel Synthesis of BiFeO ₃ Nanoparticles. <i>Materials Today: Proceedings</i> , 2015, 2, 5293-5297.	0.9	28
77	Deposition and characterization of multilayer DLC:Mo thin films grown on silicon substrate by off-axis pulsed laser deposition technique. <i>Applied Surface Science</i> , 2015, 331, 407-414.	3.1	28
78	Mesoporous SiO ₂ @TiO ₂ nanocomposite for pH sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 993-1002.	4.0	28
79	Room temperature ferromagnetism and half metallicity in nickel doped ZnS: Experimental and DFT studies. <i>Materials Chemistry and Physics</i> , 2015, 160, 440-446.	2.0	28
80	Room temperature ferromagnetism in single-phase Zn _{1-x} Mn _x S diluted magnetic semiconductors fabricated by co-precipitation technique. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	28
81	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.	2.2	28
82	Characterization of reactively evaporated TiO ₂ thin films as high and medium index layers for optical applications. <i>EPJ Applied Physics</i> , 2006, 35, 177-184.	0.3	27
83	Modeling and preparation of practical optical filters. <i>Current Applied Physics</i> , 2009, 9, 1046-1053.	1.1	27
84	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.	1.1	27
85	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.	2.8	27
86	Characterization of Ta ₂ O ₅ thin films prepared by reactive evaporation. <i>EPJ Applied Physics</i> , 2006, 36, 119-124.	0.3	26
87	Temperature dependent magnetic and microwave absorption properties of doubly substituted nanosized material. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 385, 236-242.	1.0	26
88	Microstructural and optical properties of dysprosium doped copper oxide thin films fabricated by pulsed laser deposition technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8197-8205.	1.1	26
89	Investigation of induced parallel magnetic anisotropy at low deposition temperature in Ba-hexaferrites thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 711-716.	1.0	25
90	Sol-gel synthesis and investigation of structural, electrical and magnetic properties of Pb doped La _{0.1} Bi _{0.9} FeO ₃ multiferroics. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 352-356.	1.1	25

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91	Synthesis and characterization of multilayered sol-gel based plastic-clad fiber optic pH sensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 140-144.	2.9	25
92	Surfactant and template free synthesis of porous ZnS nanoparticles. <i>Materials Chemistry and Physics</i> , 2017, 189, 28-34.	2.0	25
93	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.	2.0	25
94	Correlation of La-mediated structural transition and dielectric relaxation in Bi ₂ Mg ₂ /3Nb ₄ /3O ₇ pyrochlores. <i>Ceramics International</i> , 2019, 45, 14576-14585.	2.3	25
95	Polymer based nickel ferrite as dielectric composite for energy storage applications. <i>Synthetic Metals</i> , 2020, 268, 116507.	2.1	25
96	Iron Oxide Nanoparticles Prepared by Modified Co-Precipitation Method. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	24
97	Structural, optical and magnetic properties of manganese zinc oxide thin films prepared by sol-gel dip coating method. <i>Superlattices and Microstructures</i> , 2015, 82, 472-482.	1.4	24
98	Fe ₃ O ₄ stabilized zirconia: structural, mechanical and optical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 281-289.	1.1	24
99	Magneto-electric characteristics in (Mn, Cu) co-doped BiFeO ₃ multiferroic nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8966-8972.	1.1	24
100	Structural, electronic, and magnetic properties of Co-doped ZnO. <i>Chinese Physics B</i> , 2012, 21, 097101.	0.7	23
101	Enhanced magnetic and structural properties of Ca doped BiFeO ₃ thin films. <i>Indian Journal of Physics</i> , 2014, 88, 1037-1044.	0.9	23
102	Microwave assisted sol-gel synthesis of bioactive zirconia nanoparticles - Correlation of strength and structure. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 112, 104012.	1.5	23
103	Biosynthesis, characterization and anti-dengue vector activity of silver nanoparticles prepared from <i>Azadirachta indica</i> and <i>Citrullus colocynthis</i> . <i>Royal Society Open Science</i> , 2020, 7, 200540.	1.1	23
104	Synthesis and characterization of hybrid matrix with encapsulated organic sensing dyes for pH sensing application. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4408-4414.	2.9	22
105	Magnetic and Magnetization Properties of Co-Doped Fe ₂ O ₃ /ZnO ₃ Thin Films. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	22
106	Effect of zinc induced compressive stresses on different properties of copper oxide thin films. <i>Indian Journal of Physics</i> , 2015, 89, 353-360.	0.9	22
107	Dip coated nickel zinc oxide thin films: Structural, optical and magnetic investigations. <i>Superlattices and Microstructures</i> , 2015, 77, 171-180.	1.4	22
108	Electronic and Structural Properties of Phase-Pure Magnetite Thin Films: Effect of Preferred Orientation. <i>Journal of Electronic Materials</i> , 2018, 47, 6613-6624.	1.0	22

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109	Structural tuning of dielectric properties of Ce-substituted Nd ₂ Zr ₂ O ₇ . Journal of Saudi Chemical Society, 2019, 23, 397-406.	2.4	22
110	Peculiar magnetic behavior and structural, electrical, dielectric properties of substituted R-type hexagonal ferrites. Journal of Magnetism and Magnetic Materials, 2020, 499, 166309.	1.0	22
111	Antibacterial, magnetic, optical and dielectric analysis of novel La ₂ O ₃ doped ZnO thin films. Optical Materials, 2020, 109, 110287.	1.7	22
112	Encapsulation and characterization of flurbiprofen loaded poly(N-caprolactone)-poly(vinylpyrrolidone) blend micropheres by solvent evaporation method. Journal of Sol-Gel Science and Technology, 2009, 50, 281-289.	1.1	21
113	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.	1.0	21
114	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.	2.8	21
115	Transparent boron-doped zinc oxide films for antibacterial and magnetic applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 11911-11926.	1.1	21
116	Determination of dual magnetic phases and the study of structural, dielectric, electrical, surface morphological, optical properties of Ce ³⁺ substituted hexagonal ferrites. Journal of Alloys and Compounds, 2022, 906, 164324.	2.8	21
117	Indium tin oxide/gallium arsenide solar cells. Journal of Applied Physics, 1985, 58, 4463-4464.	1.1	20
118	Electron beam induced nanostructures and band gap tuning of ZnO thin films. Journal of Alloys and Compounds, 2013, 563, 280-284.	2.8	20
119	Structural, magnetic and dielectric properties of spinel MgFe ₂ O ₄ by sol-gel route. Journal of Sol-Gel Science and Technology, 2015, 74, 340-351.	1.1	20
120	Structural and dielectric study of nano-crystalline single phase Sn _{1-x} Ni _x S (x Ni = 0-10%) showing room temperature ferromagnetism. Progress in Natural Science: Materials International, 2017, 27, 303-310.	1.8	20
121	Structural, magnetic, dielectric and bonding properties of BiMnO ₃ grown by co-precipitation technique. Results in Physics, 2017, 7, 3190-3195.	2.0	20
122	Analysis of dielectric dispersion and magnetoelectric coupling in BiFeO ₃ and NiFe ₂ O ₄ nanocomposites. Ceramics International, 2019, 45, 24453-24460.	2.3	20
123	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.	1.0	20
124	Tuning of optical and antibacterial characteristics of ZnO thin films: Role of Ce content. Ceramics International, 2019, 45, 3930-3939.	2.3	20
125	Sm-mediated dielectric characteristics and tunable magneto-electric coefficient of 0.5Bi _{1-x} Sm _x Fe _{0.95} Mn _{0.05} O ₃ -0.5PbTiO ₃ composites. Ceramics International, 2019, 45, 7690-7695.	2.3	20
126	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.	2.3	20

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127	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.	2.6	20
128	Reactively evaporated multilayer antireflection coatings for Ge optical window. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 2065-2070.	1.3	19
129	LOWER TEMPERATURE FORMATION OF ALUMINA THIN FILMS THROUGH SOL-GEL ROUTE. <i>Surface Review and Letters</i> , 2008, 15, 681-688.	0.5	19
130	Plasmon-Enhanced Upconversion Fluorescence in Er ³⁺ :Ag Phosphate Glass: the Effect of Heat Treatment. <i>Chinese Physics Letters</i> , 2013, 30, 027301.	1.3	19
131	Structural and optical properties of gold-incorporated diamond-like carbon thin films deposited by RF magnetron sputtering. <i>Materials Research Express</i> , 2017, 4, 076403.	0.8	19
132	Self-assembled hierarchical phenolphthalein encapsulated silica nanoparticles: Structural, optical and sensing response. <i>Sensors and Actuators A: Physical</i> , 2017, 266, 111-121.	2.0	19
133	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.	1.7	19
134	Tunable structural and electrical impedance properties of ordered and disordered iron oxide phases for capacitive applications. <i>Ceramics International</i> , 2018, 44, 16352-16364.	2.3	19
135	La ³⁺ -substituted γ -ferrite: Investigation of structural, dielectric, FTIR and electrical polarization properties. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154854.	2.8	19
136	Immunomodulatory and growth-promoting effect of a probiotic supplemented in the feed of broiler chicks vaccinated against infectious bursal disease. <i>Brazilian Journal of Poultry Science</i> , 2012, 14, 109-113.	0.3	18
137	Synthesis of stabilized zirconia hollow nanoparticles: sugar as a template. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 275-280.	1.1	18
138	Optimization of magnetodielectric coupling in Mn substituted BiFeO ₃ for potential memory devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11812-11823.	1.1	18
139	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.	2.2	18
140	Magnetoelectric coupling caused by strain mediation in hetero-structured spinel-perovskite multiferroic composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166409.	1.0	18
141	Protons Irradiation Induced Coalescence of Silver Nanowires. <i>Current Nanoscience</i> , 2015, 11, 792-796.	0.7	18
142	Characterization of laser-produced plasma ions of various metals and their effect on the optical properties of the CR-39 polymer. <i>Radiation Effects and Defects in Solids</i> , 2013, 168, 1-9.	0.4	17
143	Controlled Nanostructuring of Multiphase Core-Shell Iron Oxide Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	17
144	Effect of Calcination on Properties of ZnO Nanoparticles. <i>Materials Today: Proceedings</i> , 2015, 2, 5468-5472.	0.9	17

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145	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.	2.3	17
146	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.	2.5	17
147	Co-existence of magnetic and electric ferroic orders in La-substituted BiFeO ₃ . <i>Results in Physics</i> , 2019, 12, 1269-1275.	2.0	17
148	BARIUM TITANATE FILMS FOR ELECTRONIC APPLICATIONS: STRUCTURAL AND DIELECTRIC PROPERTIES. <i>Surface Review and Letters</i> , 2008, 15, 237-244.	0.5	16
149	Structural and magnetic properties of cadmium substituted Ni-Al ferrites. <i>Physica B: Condensed Matter</i> , 2011, 406, 2555-2558.	1.3	16
150	Effect of pH on Properties of ZnO Nanoparticles. <i>Materials Today: Proceedings</i> , 2015, 2, 5754-5759.	0.9	16
151	Effect of Co doping on the physical properties of Co-doped ZnO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5953-5961.	1.1	16
152	Tunable dielectric behaviour and energy band gap range of ZnAl ₂ O ₄ ceramics mediated by Mg substitution. <i>Journal of Alloys and Compounds</i> , 2017, 724, 940-950.	2.8	16
153	Nickel nanowires mesh fabricated by ion beam irradiation-induced nanoscale welding for transparent conducting electrodes. <i>Materials Research Express</i> , 2017, 4, 075042.	0.8	16
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