

# A Manikandan

## List of Publications by Year in descending order

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Version: 2024-02-01

229  
papers

10,924  
citations

19608

61  
h-index

48187

88  
g-index

232  
all docs

232  
docs citations

232  
times ranked

6419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fate and impact of maghemite ( $\gamma\text{-Fe}_2\text{O}_3$ ) and magnetite ( $\text{Fe}_3\text{O}_4$ ) nanoparticles in barley ( <i>Hordeum vulgare</i> ) Tj ETQq1 1 0.784314 rgBT	2.7	18
2	Green synthesis and characterization studies of biogenic zirconium oxide ( $\text{ZrO}_2$ ) nanoparticles for adsorptive removal of methylene blue dye. <i>Journal of Molecular Structure</i> , 2022, 1247, 131275.	1.8	45
3	Investigation of exchange coupling and microwave properties of hard/soft ( $\text{SrNi}_{0.02}\text{Zr}_{0.01}\text{Fe}_{11.96}\text{O}_{19}$ )/( $\text{CoFe}_2\text{O}_4$ ) <sub>x</sub> nanocomposites. <i>Materials Today Nano</i> , 2022, 18, 100186.	2.3	37
4	Synthesis, Characterization and Bio-Potential Activities of Co(II) and Ni(II) Complexes with O and N Donor Mixed Ligands. <i>Crystals</i> , 2022, 12, 326.	1.0	5
5	Influence of $\text{Ce}^{3+}$ on the Structural, Morphological, Magnetic, Photocatalytic and Antibacterial Properties of Spinel $\text{MnFe}_2\text{O}_4$ Nanocrystallites Prepared by the Combustion Route. <i>Crystals</i> , 2022, 12, 268.	1.0	15
6	Computational studies and experimental fabrication of DSSC device assembly on 2D-layered $\text{TiO}_2$ and $\text{MoS}_2/\text{TiO}_2$ nanomaterials. <i>Physica B: Condensed Matter</i> , 2022, 633, 413770.	1.3	9
7	Structural investigation of Cu doped calcium ferrite ( $\text{Ca}_{1-x}\text{Cu}_x\text{Fe}_2\text{O}_4$ ; $x = 0, 0.2, 0.4, 0.6, 0.8, 1$ ) nanomaterials prepared by co-precipitation method. <i>Journal of Materials Research and Technology</i> , 2022, 18, 705-719.	2.6	21
8	Review on nitride compounds and its polymer composites: a multifunctional material. <i>Journal of Materials Research and Technology</i> , 2022, 18, 2175-2193.	2.6	34
9	Sonochemical synthesis of $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Er}_x\text{Dy}_x\text{Fe}_{2-2x}\text{O}_4$ ( $x \leq 0.1$ ) spinel nanoferrites: Magnetic and textural investigation. <i>Journal of Molecular Structure</i> , 2022, 1258, 132680.	1.8	7
10	Sol-gel combustion synthesis and photocatalytic dye degradation studies of rare earth element Ce substituted $\text{Mn-Zn}$ ferrite nanoparticles. <i>Journal of Materials Research and Technology</i> , 2022, 18, 5280-5289.	2.6	23
11	An in-vitro anti-inflammatory and anti-microbial essential on Ni(II), Cd(II) mixed ligand complexes by using 2,4-dinitrophenyl hydrazine and dimethylglyoxime. <i>Journal of King Saud University - Science</i> , 2022, 34, 102114.	1.6	0
12	Magnetic Characterization of Nanomaterials. , 2022, , 177-238.		1
13	Ultrasound-assisted synthesis and magnetic investigations of $\text{Ni}_{0.4}\text{Cu}_{0.4}\text{Zn}_{0.2}\text{GaxGdxFe}_{2-2x}\text{O}_4$ ( $0.00 \leq x \leq 0.04$ ) nanosized spinel ferrites. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	4
14	Growth and Characterization of Second and Third Order Acentric Studies of l-Phenylalanine l-Phenylalaninium Malonate Single Crystal. <i>Crystals</i> , 2022, 12, 869.	1.0	4
15	Synthesis and characterization of $\text{MgFe}_2\text{O}_4$ and $\text{MgFe}_2\text{O}_4/\text{rGO}$ nanocomposites for the photocatalytic degradation of methylene blue. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 210-217.	0.9	11
16	Exploring the influence of varying pH on structural, electro-optical, magnetic and photo-Fenton properties of mesoporous $\text{ZnFe}_2\text{O}_4$ nanocrystals. <i>Environmental Pollution</i> , 2021, 272, 115983.	3.7	24
17	Impact of nickel substitution on structure, magneto-optical, electrical and acoustical properties of cobalt ferrite nanoparticles. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157517.	2.8	44
18	Nickel substituted $\text{MgFe}_2\text{O}_4$ nanoparticles via co-precipitation method for photocatalytic applications. <i>Physica B: Condensed Matter</i> , 2021, 606, 412660.	1.3	55

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19	Perovskiteâ€™s potential functionality in a composite structure. , 2021, , 181-202.		5
20	Microalgae an ecofriendly and sustainable wastewater treatment option: Biomass application in biofuel and bio-fertilizer production. A review. Renewable and Sustainable Energy Reviews, 2021, 137, 110603.	8.2	175
21	Enhanced Magneto-Optical, Morphological, and Photocatalytic Properties of Nickel-Substituted SnO <sub>2</sub> Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2021, 34, 825-836.	0.8	7
22	Anti-microbial and anti-cancer activities of Mn <sub>0.5</sub> Zn <sub>0.5</sub> Dy <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> (x % 0.1) nanoparticles. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 493-499.	1.9	18
23	Structural, optical, and electrochemical investigations of sb-substituted mesoporous SnO <sub>2</sub> nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 4132-4145.	1.1	12
24	Synthesis, Spectral Characterization and Biological Activities of Co(II) and Ni(II) Mixed Ligand Complexes. Molecules, 2021, 26, 823.	1.7	17
25	Influence of Ni substitution on opto-magnetic and electrochemical properties of CTAB-capped mesoporous SnO <sub>2</sub> nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 7630-7646.	1.1	17
26	Synthesis, Characterization, Anti-Cancer Analysis of Sr <sub>0.5</sub> Ba <sub>0.5</sub> Dy <sub>x</sub> Sm <sub>x</sub> Fe <sub>8-2x</sub> O <sub>19</sub> (0.00 % x % 1.0) Microsphere Nanocomposites. Nanomaterials, 2021, 11, 700.	1.9	13
27	Structural, fabrication and enhanced electromagnetic wave absorption properties of reduced graphene oxide (rGO)/zirconium substituted cobalt ferrite (Co <sub>0.5</sub> Zr <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ) nanocomposites. Physica B: Condensed Matter, 2021, 605, 412784.	1.3	23
28	Fabrication of exchange coupled hard/soft magnetic nanocomposites: Correlation between composition, magnetic, optical and microwave properties. Arabian Journal of Chemistry, 2021, 14, 102992.	2.3	46
29	Methylene blue intercalated layered MnO <sub>2</sub> nanosheets for high-sensitive non-enzymatic ascorbic acid sensor. Journal of Materials Science: Materials in Electronics, 2021, 32, 8317-8329.	1.1	6
30	Kinetic Modeling for Photo-Assisted Penicillin G Degradation of (Mn <sub>0.5</sub> Zn <sub>0.5</sub> )[CdxFe <sub>2-x</sub> ]O <sub>4</sub> (x % 0.05) Nanospinel Ferrites. Nanomaterials, 2021, 11, 970.	1.9	10
31	Review on recent advances of zinc substituted cobalt ferrite nanoparticles: Synthesis characterization and diverse applications. Ceramics International, 2021, 47, 10512-10535.	2.3	76
32	Review on Recent Advances of Synthesis, Magnetic Properties, and Water Treatment Applications of Cobalt Ferrite Nanoparticles and Nanocomposites. Journal of Superconductivity and Novel Magnetism, 2021, 34, 995-1018.	0.8	62
33	Influence of Dy <sup>3+</sup> Ions on the Microstructures and Magnetic, Electrical, and Microwave Properties of [Ni <sub>0.4</sub> Cu <sub>0.2</sub> Zn <sub>0.4</sub> ](Fe <sub>2</sub> â€“ <sub>x</sub> Dy <sub>x</sub> )O <sub>1.6</sub> <sup>45</sup> (0.00 % x % 0.04) Spinel Ferrites. ACS Omega, 2021, 6, 10266-10280.		
34	Enhanced Photocatalytic Activity of Cu <sub>2</sub> O Cabbage/RGO Nanocomposites under Visible Light Irradiation. Polymers, 2021, 13, 1712.	2.0	9
35	Estimation of Ceftazidime and Avibactam in their Bulk and Formulations by a newly Developed and Validated of Stability Indicating RP-UPLC Method. Research Journal of Pharmacy and Technology, 2021, , 2459-2463.	0.2	2
36	Impact of calcination temperature on electrical and dielectric properties of SrGa <sub>0.02</sub> Fe <sub>11.98</sub> O <sub>19</sub> -Zn <sub>0.5</sub> Ni <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> hard/soft nanocomposites. Journal of Materials Science: Materials in Electronics, 2021, 32, 16589-16600.	1.1	7

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37	Electrical Properties of Lithium-Ion Conducting Poly (Vinylidene Fluoride-Co-Hexafluoropropylene) (PVDF-HFP)/Polyvinylpyrrolidone (PVP) Solid Polymer Electrolyte. <i>Journal of Electronic Materials</i> , 2021, 50, 4415-4425.	1.0	14
38	Designing of $\text{Co}_{0.5}\text{Ni}_{0.5}\text{Ga}_x\text{Fe}_{2-x}\text{O}_4$ ( $0.0 \leq x \leq 1.0$ ) Microspheres via Hydrothermal Approach and Their Selective Inhibition on the Growth of Cancerous and Fungal Cells. <i>Pharmaceutics</i> , 2021, 13, 962.	2.0	13
39	Evaluation of $\text{Cu}^{2+}$ - $\text{MgFe}_2\text{O}_4$ spinel nanoparticles for photocatalytic and antimicrobial activities. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 153, 110010.	1.9	49
40	High-performance nickel sulfide modified electrode material from single-source precursor for energy storage application. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 20058-20070.	1.1	13
41	Solvothermal synthesis of $\text{Bi}_2\text{S}_3$ nanoparticles for active photocatalytic and energy storage device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 20827-20843.	1.1	21
42	Hexagonal basalt-like ceramics $\text{La}_x\text{Mg}_{1-x}\text{TiO}_3$ ( $x = 0$ and $0.5$ ) contrived via deep eutectic solvent for selective electrochemical detection of dopamine. <i>Physica B: Condensed Matter</i> , 2021, 615, 413068.	1.3	15
43	Enhanced magnetic and photocatalytic characteristics of cerium substituted spinel $\text{MgFe}_2\text{O}_4$ ferrite nanoparticles. <i>Physica B: Condensed Matter</i> , 2021, 615, 413083.	1.3	19
44	Electronic, magnetic, and microwave properties of hard/soft nanocomposites based on hexaferrite $\text{SrNi}_{0.02}\text{Zr}_{0.02}\text{Fe}_{11.96}\text{O}_{19}$ with variable spinel phase $\text{MFe}_2\text{O}_4$ ( $\text{M} = \text{Mn}, \text{Co}, \text{Cu}, \text{and Zn}$ ). <i>Ceramics International</i> , 2021, 47, 35209-35223.	2.3	35
45	Effects of $\text{Ce}^{3+}$ - $\text{Dy}^{3+}$ rare earths co-doping on various features of $\text{Ni}^{2+}$ - $\text{Co}$ spinel ferrite microspheres prepared via hydrothermal approach. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2534-2553.	2.6	35
46	Electrospinning synthesis of Cd-substituted $\text{Ni}^{2+}$ - $\text{Co}$ spinel ferrite nanofibers: an investigation into their structural and magnetic features. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	4
47	Enhanced electrochemical performance and humidity sensing properties of $\text{Al}^{3+}$ substituted mesoporous $\text{SnO}_2$ nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 133, 114820.	1.3	8
48	Effect of zinc substitution on the physical and electrochemical properties of mesoporous $\text{SnO}_2$ nanoparticles. <i>Materials Chemistry and Physics</i> , 2021, 273, 125122.	2.0	12
49	Morphological, structural, and magnetic characterizations of hard-soft ferrite nanocomposites synthesized via pulsed laser ablation in liquid. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115446.	1.7	13
50	Unveiling the photosensitive and magnetic properties of amorphous iron nanoparticles with its application towards decontamination of water and cancer treatment. <i>Journal of Materials Research and Technology</i> , 2021, 15, 99-118.	2.6	8
51	Investigation on electrical and dielectric properties of hard/soft spinel ferrite nanocomposites of $\text{CoFe}_2\text{O}_4/(\text{NiSc}_{0.03}\text{Fe}_{1.97}\text{O}_4)_x$ . <i>Vacuum</i> , 2021, 194, 110628.	1.6	19
52	Effect of $\text{Sr}^{2+}$ Ion-Substituted Nickel Ferrite Nanoparticles Prepared by a Simple Microwave Combustion Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 971-980.	0.8	7
53	A Brief Study on Optical and Mechanical Properties of an Organic Material: Urea Glutaric Acid (2/1)-A Third Order Nonlinear Optical Single Crystal. <i>Crystals</i> , 2021, 11, 1239.	1.0	11
54	Bacillus-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. <i>Antibiotics</i> , 2021, 10, 1334.	1.5	15

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55	Photocatalytic degradation of reactive anionic dyes RB5, RR198 and RY145 via rare earth element (REE) lanthanum substituted CaTiO <sub>3</sub> perovskite catalysts. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5936-5947.	2.6	36
56	Hydrothermal synthesis and characterization studies of $\text{Fe}_2\text{O}_3/\text{MnO}_2$ nanocomposites for energy storage supercapacitor application. <i>Ceramics International</i> , 2020, 46, 6222-6233.	2.3	65
57	One-pot preparation of AgBr/ $\text{Ag}_2\text{WO}_4$ composite with superior photocatalytic activity under visible-light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124079.	2.3	68
58	Synthesis and characterization analysis of unique organic crystal " Urea Glutaric acid, an optimistic candidate for optical device applications. <i>Physica B: Condensed Matter</i> , 2020, 577, 411804.	1.3	4
59	Dimensionality and superconducting parameters of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/(\text{WO}_3 \text{ NPs})_x$ composites deduced from excess conductivity analysis. <i>Materials Chemistry and Physics</i> , 2020, 243, 122665.	2.0	18
60	Spectral, dielectric, mechanical and optical characteristics of LPDMCl single crystal for nonlinear optical applications. <i>Physica B: Condensed Matter</i> , 2020, 582, 411980.	1.3	8
61	Enhancement on the exchange coupling behavior of $\text{SrCo}_0.02\text{Zr}_0.02\text{Fe}_{11.96}\text{O}_{19}/\text{MFe}_2\text{O}_4$ ( $\text{M} = \text{Co, Ni, Cu}$ ) <i>TJ ETQq1</i> 1 0.784314 2020, 499, 166308.	1.0	71
62	Investigations of lithium ion conducting polymer blend electrolytes using biodegradable cornstarch and PVP. <i>Physica B: Condensed Matter</i> , 2020, 580, 411940.	1.3	45
63	Linear and nonlinear optical investigation of l-arginium adipate single crystal for photonic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14545-14552.	1.1	3
64	Crystal growth, optical, spectroscopic studies, PL behaviour and Hirshfield surface analysis of a third-order nonlinear optical Cesium Hydrogen Oxalate Dihydrate (CHOD) single crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15028-15037.	1.1	1
65	Impact of $\text{Tm}^{3+}$ and $\text{Tb}^{3+}$ Rare Earth Cations Substitution on the Structure and Magnetic Parameters of Co-Ni Nanospinel Ferrite. <i>Nanomaterials</i> , 2020, 10, 2384.	1.9	42
66	Functional $\text{Sr}_0.5\text{Ba}_0.5\text{Sm}_0.02\text{Fe}_{11.98}\text{O}_4/x(\text{Ni}_0.8\text{Zn}_0.2\text{Fe}_2\text{O}_4)$ Hard "Soft Ferrite Nanocomposites: Structure, Magnetic and Microwave Properties. <i>Nanomaterials</i> , 2020, 10, 2134.	1.9	71
67	Solvothermal synthesis and characterizations of graphene-ZnBi <sub>12</sub> O <sub>20</sub> nanocomposites for visible-light driven photocatalytic applications. <i>Ceramics International</i> , 2020, 46, 18534-18543.	2.3	12
68	Sonochemical synthesis and visible light induced photocatalytic property of reduced graphene oxide@ZnO hexagonal hollow rod nanocomposite. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155377.	2.8	32
69	Structural, morphological and optical properties of multifunctional magnetic-luminescent ZnO@Fe <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 124, 114291.	1.3	41
70	Electrochemical performance of TiO <sub>2</sub> @C nanocomposite as an anode material for lithium-ion battery. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6199-6206.	1.1	12
71	Investigation of the crystal/magnetic structure, magnetic and optical properties of $\text{Sr}_{1-x}\text{Y}_x\text{Nb}_x\text{Fe}_{12-2x}\text{O}_{19}$ ( $x = 0.05$ ) hexaferrites. <i>Physica Scripta</i> , 2020, 95, 055802.	1.2	17
72	Mössbauer Studies and Magnetic Properties of Cubic CuFe <sub>2</sub> O <sub>4</sub> Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 557-564.	0.8	74

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73	Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1057-1065.	0.8	72
74	Preparation and characterization studies of La doped CuS nanospheres by microwave irradiation for high performance supercapacitors. <i>Physica B: Condensed Matter</i> , 2019, 573, 92-101.	1.3	42
75	AC susceptibility, DC magnetization and superconducting properties of tungsten oxide nanowires added YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> . <i>Ceramics International</i> , 2019, 45, 21864-21869.	2.3	13
76	Effect of electrical conductivity studies for CuS nanofillers mixed magnesium ion based PVA-PVP blend polymer solid electrolyte. <i>Physica B: Condensed Matter</i> , 2019, 572, 129-138.	1.3	35
77	Magnetic Attributes of NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles: Influence of Dysprosium Ions (Dy <sup>3+</sup> ) Substitution. <i>Nanomaterials</i> , 2019, 9, 820.	1.9	95
78	Identification, isolation and characterization of dolutegravir forced degradation products and their cytotoxicity potential. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 588-594.	1.4	16
79	Ni <sub>0.4</sub> Cu <sub>0.2</sub> Zn <sub>0.4</sub> TbxFe <sub>2-x</sub> O <sub>4</sub> nanospinel ferrites: Ultrasonic synthesis and physical properties. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104757.	3.8	89
80	Flux pinning properties of YBCO added by WO <sub>3</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151884.	2.8	27
81	Enriched physicochemical and blood-compatible properties of nanofibrous polyurethane patch engrafted with juniper oil and titanium dioxide for cardiac tissue engineering. <i>International Journal of Polymer Analysis and Characterization</i> , 2019, 24, 696-708.	0.9	13
82	Enhanced magnetic property and antibacterial biomedical activity of Ce <sup>3+</sup> doped CuFe <sub>2</sub> O <sub>4</sub> spinel nanoparticles synthesized by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 478, 140-147.	1.0	124
83	Biomimetic electrospun polyurethane matrix composites with tailor made properties for bone tissue engineering scaffolds. <i>Polymer Testing</i> , 2019, 78, 105955.	2.3	40
84	A facile hydrothermal synthesis of visible-light responsive BiFeWO <sub>6</sub> /MoS <sub>2</sub> composite as superior photocatalyst for degradation of organic pollutants. <i>Ceramics International</i> , 2019, 45, 18683-18690.	2.3	72
85	Excess conductivity and AC susceptibility studies of Y-123 superconductor added with TiO <sub>2</sub> nano-wires. <i>Materials Chemistry and Physics</i> , 2019, 235, 121721.	2.0	37
86	Investigation on electrochemical performance of SnO <sub>2</sub> -Carbon nanocomposite as better anode material for lithium ion battery. <i>Physica B: Condensed Matter</i> , 2019, 569, 8-13.	1.3	24
87	Structural, magnetic and electrochemical characterizations of Bi <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> nanoparticle for supercapacitor application. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 486, 165254.	1.0	88
88	Structural, optical, thermal and electrochemical analysis of annealed SnO <sub>2</sub> @C nanocomposite. <i>Physica B: Condensed Matter</i> , 2019, 566, 17-22.	1.3	21
89	Photodynamic activity and DNA binding studies of Pd@SiO <sub>2</sub> core-shell nanoparticles in vitro. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 79-84.	1.3	6
90	Magneto-resistivity and magnetization investigations of YBCO superconductor added by nano-wires and nano-particles of titanium oxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8805-8813.	1.1	34

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91	Investigation of the effects of Tm <sup>3+</sup> on the structural, microstructural, optical, and magnetic properties of Sr hexaferrites. <i>Results in Physics</i> , 2019, 13, 102166.	2.0	52
92	Synthesis and Characterization of Coconut Shell Ash. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4123-4128.	0.9	5
93	The potential of biomimetic nanofibrous electrospun scaffold comprising dual component for bone tissue engineering. <i>International Journal of Polymer Analysis and Characterization</i> , 2019, 24, 204-218.	0.9	14
94	Impact of La <sup>3+</sup> and Y <sup>3+</sup> ion substitutions on structural, magnetic and microwave properties of Ni <sub>0.3</sub> Cu <sub>0.3</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> nanospinel ferrites synthesized via sonochemical route. <i>RSC Advances</i> , 2019, 9, 30671-30684.	1.7	90
95	<i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1663-1670.	0.8	18
96	Improvement of flux pinning ability by tungsten oxide nanoparticles added in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> superconductor. <i>Ceramics International</i> , 2019, 45, 6828-6835.	2.3	71
97	Electrical properties of lithium bromide poly ethylene oxide / poly vinyl pyrrolidone polymer blend electrolyte. <i>Physica B: Condensed Matter</i> , 2019, 553, 120-126.	1.3	67
98	Influence of WO <sub>3</sub> nanowires on structural, morphological and flux pinning ability of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> superconductor. <i>Ceramics International</i> , 2019, 45, 2621-2628.	2.3	89
99	Electrochemical Investigations of Magnetic Co <sub>3</sub> O <sub>4</sub> Nanoparticles as an Active Electrode for Supercapacitor Applications. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 2427-2436.	0.8	58
100	Enhanced Antibacterial Activity and Photo-Catalytic Properties of ZnO Nanoparticles: <i>Petalium Murex</i> Plant Extract-Assisted Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2888-2894.	0.9	41
101	Structural, morphological, enhanced magnetic properties and antibacterial bio-medical activity of rare earth element (REE) cerium (Ce <sup>3+</sup> ) doped CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 157-165.	1.0	139
102	Enhanced Magneto-optical and Photocatalytic Properties of Ferromagnetic Mg <sub>1-y</sub> Ni <sub>y</sub> Fe <sub>2</sub> O <sub>4</sub> (0.0 ≤ y ≤ 1) Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3347-3356.	0.8	35
103	Effect of Annealing Temperature on Magnetic and Mössbauer Properties of ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles by Sol-gel Approach. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3347-3356.	0.8	51
104	Facile combustion synthesis, structural, morphological, optical and antibacterial studies of Bi <sub>1-x</sub> Al <sub>x</sub> FeO <sub>3</sub> (0.0 ≤ x ≤ 0.15) nanoparticles. <i>Ceramics International</i> , 2018, 44, 13247-13252.	2.3	104
105	The Temperature Effect on Magnetic Properties of NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1587-1597.	1.9	62
106	Advanced nanofibrous textile-based dressing material for treating chronic wounds. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	0.8	14
107	Hydrothermal synthesis of Co <sub>y</sub> Zn <sub>1-2y</sub> Fe <sub>2</sub> O <sub>4</sub> nanoferrites: Magneto-optical investigation. <i>Ceramics International</i> , 2018, 44, 5751-5759.	2.3	120
108	Enhanced magneto-optical and photo-catalytic properties of transition metal cobalt (Co <sup>2+</sup> ions) doped spinel MgFe <sub>2</sub> O <sub>4</sub> ferrite nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 452, 380-388.	1.0	180

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109	Magneto-optical and microstructural properties of spinel cubic copper ferrites with Li-Al co-substitution. <i>Ceramics International</i> , 2018, 44, 14242-14250.	2.3	138
110	Microwave combustion synthesis, magneto-optical and electrochemical properties of NiMoO <sub>4</sub> nanoparticles for supercapacitor application. <i>Ceramics International</i> , 2018, 44, 13879-13887.	2.3	89
111	Biogenic synthesis, characterization of gold and silver nanoparticles from <i>Coleus forskohlii</i> and their clinical importance. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 251-257.	1.7	73
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224	Comparative investigation of NiO nano- and microstructures for structural, optical and magnetic properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 49, 117-123.	1.3	77
225	Structural, optical and magnetic properties of Zn <sub>1-x</sub> Cu <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles prepared by microwave combustion method. <i>Journal of Molecular Structure</i> , 2013, 1035, 332-340.	1.8	164
226	Structural, Optical and Magnetic Properties of Porous Zn <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> Nanostructures Prepared by Rapid Combustion Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2986-2992.	0.9	65
227	Phytosynthesis of Nanoscale ZnAl <sub>2</sub> O <sub>4</sub> by Using <i>Sesamum indicum</i> L. (Sesamum) Optical and Catalytic Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 8298-8306.	0.9	29
228	Structural and Optical Properties of Novel ZrO <sub>2</sub> Nanostructures by Microwave and Solution Combustion Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2595-2603.	0.9	18
229	Comparative Study of Pure and Ni-Doped ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles for Structural, Optical and Magnetic Properties. <i>Advanced Materials Research</i> , 0, 699, 524-529.	0.3	16