

# A Manikandan

## List of Publications by Year in descending order

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229  
papers

10,924  
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19657

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48315

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232  
all docs

232  
docs citations

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times ranked

6419  
citing authors



#	ARTICLE	IF	CITATIONS
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.	16.4	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.	1.8	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.	2.8	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.	2.2	12
24	Synthesis, Spectral Characterization and Biological Activities of Co(II) and Ni(II) Mixed Ligand Complexes. Molecules, 2021, 26, 823.	3.8	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.	2.2	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.	4.1	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.	2.7	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.	4.9	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.	2.2	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.	4.1	10
31	Review on recent advances of zinc substituted cobalt ferrite nanoparticles: Synthesis characterization and diverse applications. Ceramics International, 2021, 47, 10512-10535.	4.8	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.	1.8	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>3.5</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.	4.5	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.	0.8	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 in Electronics, 2021, 32, 16589-16600.	2.2	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.	2.2	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.	4.5	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.	4.0	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.	2.2	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.	2.2	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.	2.7	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.	2.7	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.	4.8	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.	5.8	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.	2.3	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.	2.7	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.	4.0	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.	3.5	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.	5.8	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.	3.5	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.	1.8	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.	2.2	11
54	Bacillus-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. <i>Antibiotics</i> , 2021, 10, 1334.	3.7	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. Journal of Materials Research and Technology, 2021, 15, 5936-5947.	5.8	36
56	Hydrothermal synthesis and characterization studies of $\text{Fe}_2\text{O}_3/\text{MnO}_2$ nanocomposites for energy storage supercapacitor application. Ceramics International, 2020, 46, 6222-6233.	4.8	65
57	One-pot preparation of $\text{AgBr}/\text{Ag}_2\text{WO}_4$ composite with superior photocatalytic activity under visible-light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124079.	4.7	68
58	Synthesis and characterization analysis of unique organic crystal " Urea Glutaric acid, an optimistic candidate for optical device applications. Physica B: Condensed Matter, 2020, 577, 411804.	2.7	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. Materials Chemistry and Physics, 2020, 243, 122665.	4.0	18
60	Spectral, dielectric, mechanical and optical characteristics of LPDMCl single crystal for nonlinear optical applications. Physica B: Condensed Matter, 2020, 582, 411980.	2.7	8
61	Enhancement on the exchange coupling behavior of $\text{SrCo}_0.02\text{Zr}_0.02\text{Fe}_{11.96}\text{O}_{19}/\text{MFe}_2\text{O}_4$ ( $\text{M} = \text{Co, Ni, Cu}$ ) Tj ETQq1 0.784314 2020, 499, 166308.	2.3	71
62	Investigations of lithium ion conducting polymer blend electrolytes using biodegradable cornstarch and PVP. Physica B: Condensed Matter, 2020, 580, 411940.	2.7	45
63	Linear and nonlinear optical investigation of l-arginium adipate single crystal for photonic applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 14545-14552.	2.2	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. Journal of Materials Science: Materials in Electronics, 2020, 31, 15028-15037.	2.2	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. Nanomaterials, 2020, 10, 2384.	4.1	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. Nanomaterials, 2020, 10, 2134.	4.1	71
67	Solvothermal synthesis and characterizations of graphene-ZnBi <sub>12</sub> O <sub>20</sub> nanocomposites for visible-light driven photocatalytic applications. Ceramics International, 2020, 46, 18534-18543.	4.8	12
68	Sonochemical synthesis and visible light induced photocatalytic property of reduced graphene oxide@ZnO hexagonal hollow rod nanocomposite. Journal of Alloys and Compounds, 2020, 836, 155377.	5.5	32
69	Structural, morphological and optical properties of multifunctional magnetic-luminescent ZnO@Fe <sub>3</sub> O <sub>4</sub> nanocomposite. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114291.	2.7	41
70	Electrochemical performance of TiO <sub>2</sub> @C nanocomposite as an anode material for lithium-ion battery. Journal of Materials Science: Materials in Electronics, 2020, 31, 6199-6206.	2.2	12
71	Investigation of the crystal/magnetic structure, magnetic and optical properties of $\text{Sr}_{1-x}\text{Nb}_x\text{Fe}_{12}\text{O}_{19}$ ( $x = 0.05$ ) hexaferrites. Physica Scripta, 2020, 95, 055802.	2.5	17
72	Mössbauer Studies and Magnetic Properties of Cubic CuFe <sub>2</sub> O <sub>4</sub> Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2019, 32, 557-564.	1.8	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.	1.8	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.	2.7	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.	4.8	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.	2.7	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.	4.1	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.	2.8	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.	8.2	89
80	Flux pinning properties of YBCO added by WO <sub>3</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151884.	5.5	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.	1.9	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.	2.3	124
83	Biomimetic electrospun polyurethane matrix composites with tailor made properties for bone tissue engineering scaffolds. <i>Polymer Testing</i> , 2019, 78, 105955.	4.8	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.	4.8	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.	4.0	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.	2.7	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.	2.3	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.	2.7	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.	2.6	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.	2.2	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. Results in Physics, 2019, 13, 102166.	4.1	52
92	Synthesis and Characterization of Coconut Shell Ash. Journal of Nanoscience and Nanotechnology, 2019, 19, 4123-4128.	0.9	5
93	The potential of biomimetic nanofibrous electrospun scaffold comprising dual component for bone tissue engineering. International Journal of Polymer Analysis and Characterization, 2019, 24, 204-218.	1.9	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. RSC Advances, 2019, 9, 30671-30684.	3.6	90
95	Journal of Superconductivity and Novel Magnetism, 2019, 32, 1663-1670.	1.8	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. Ceramics International, 2019, 45, 6828-6835.	4.8	71
97	Electrical properties of lithium bromide poly ethylene oxide / poly vinyl pyrrolidone polymer blend electrolyte. Physica B: Condensed Matter, 2019, 553, 120-126.	2.7	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. Ceramics International, 2019, 45, 2621-2628.	4.8	89
99	Electrochemical Investigations of Magnetic Co <sub>3</sub> O <sub>4</sub> Nanoparticles as an Active Electrode for Supercapacitor Applications. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2427-2436.	1.8	58
100	Enhanced Antibacterial Activity and Photo-Catalytic Properties of ZnO Nanoparticles: Pedalium Murex Plant Extract-Assisted Synthesis. Journal of Nanoscience and Nanotechnology, 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. Journal of Magnetism and Magnetic Materials, 2019, 476, 157-165.	2.3	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. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3347-3356.	1.8	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. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3347-3356.	1.8	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. Ceramics International, 2018, 44, 13247-13252.	4.8	104
105	The Temperature Effect on Magnetic Properties of NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1587-1597.	3.7	62
106	Advanced nanofibrous textile-based dressing material for treating chronic wounds. Bulletin of Materials Science, 2018, 41, 1.	1.7	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. Ceramics International, 2018, 44, 5751-5759.	4.8	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. Journal of Magnetism and Magnetic Materials, 2018, 452, 380-388.	2.3	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.	4.8	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.	4.8	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.	3.8	73
112	Effect of Cr <sup>3+</sup> substitution on AC susceptibility of Ba hexaferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 458, 204-212.	2.3	88
113	Morphological, thermal, and blood compatible properties of electrospun nanocomposites for tissue engineering application. <i>Polymer Composites</i> , 2018, 39, E132.	4.6	17
114	Preparation, characterization and blood compatibility assessment of a novel electrospun nanocomposite comprising polyurethane and ayurvedic-indhulekha oil for tissue engineering applications. <i>Biomedizinische Technik</i> , 2018, 63, 245-253.	0.8	25
115	Dielectric Investigation of NaLiS Nanoparticles Loaded on Alginate Polymer Matrix Synthesized by Single Pot Microwave Irradiation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 671-678.	3.7	35
116	Facile solvothermal synthesis of BiOI microsquares as a novel electrode material for supercapacitor applications. <i>Materials Letters</i> , 2018, 210, 109-112.	2.6	31
117	Blood compatibility and physicochemical assessment of novel nanocomposite comprising polyurethane and dietary carotino oil for cardiac tissue engineering applications. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45691.	2.6	28
118	Synthesis and Magnetic Characterization of Cu Substituted Barium Hexaferrites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1065-1071.	3.7	51
119	Enhanced Photocatalytic Degradation of Methylene Blue Dye, Opto-magnetic and Antibacterial Behaviour of Pure and La-doped ZnO Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 855-864.	1.8	124
120	Comparative Study of Structural, Morphological, Magneto-Optical and Photo-Catalytic Properties of Magnetically Reusable Spinel MnFe <sub>2</sub> O <sub>4</sub> Nano-Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3523-3531.	0.9	57
121	Effect of zinc precursor ratio on morphology and luminescent properties of ZnO nanoparticles synthesized in CTAB medium. <i>Ceramics International</i> , 2018, 44, 15290-15297.	4.8	38
122	Electrochemical and magneto-optical properties of cobalt molybdate nano-catalyst as high-performance supercapacitor. <i>Ceramics International</i> , 2018, 44, 17735-17742.	4.8	51
123	Nanostructured ZnO coated Bi <sub>2</sub> S <sub>3</sub> thin films: Enhanced photocatalytic degradation of methylene blue dye. <i>Physica B: Condensed Matter</i> , 2018, 545, 383-389.	2.7	27
124	Comparative investigation of the ball milling role against hand grinding on microstructure, transport and pinning properties of Y <sub>3</sub> Ba <sub>5</sub> Cu <sub>8</sub> O <sub>18</sub> and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Ceramics International</i> , 2018, 44, 19950-19957.	4.8	37
125	Structural, morphological and magneto-optical properties of CuMoO <sub>4</sub> electrochemical nanocatalyst as supercapacitor electrode. <i>Ceramics International</i> , 2018, 44, 20075-20083.	4.8	95
126	Studies on sodium nitrate based polyethylene oxide / polyvinyl pyrrolidone polymer blend electrolytes. <i>Physica B: Condensed Matter</i> , 2018, 547, 55-63.	2.7	34



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127	Single stage electrospun multicomponent scaffold for bone tissue engineering application. <i>Polymer Testing</i> , 2018, 70, 244-254.	4.8	17
128	Structural, Morphological and Optical Properties of ZnO, ZnO:Ni <sup>2+</sup> and ZnO:Co <sup>2+</sup> Nanostructures by Hydrothermal Process and Their Photocatalytic Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2388-2398.	3.7	24
129	Effect of lattice strain on structure, morphology and magneto-dielectric properties of spinel Ni <sub>x</sub> Gd <sub>x</sub> Fe <sub>2-2x</sub> O <sub>4</sub> ferrite nano-crystallites synthesized by sol-gel route. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 466, 238-251.	2.3	179
130	Preparation and Characterizations of PVP@TiO <sub>2</sub> NPs Calcined at 500, 600 and 700°C by the Hydrothermal Method and Their Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2036-2045.	3.7	11
131	Solid-State Synthesis of POPD@AgNPs Nanocomposites for Electrochemical Sensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3991-3999.	0.9	16
132	Effect of surfactants (PVB/EDTA/CTAB) assisted sol-gel synthesis on structural, magnetic and dielectric properties of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , 2018, 44, 22068-22079.	4.8	48
133	Substitution effect of Cr <sup>3+</sup> on hyperfine interactions, magnetic and optical properties of Sr-hexaferrites. <i>Ceramics International</i> , 2018, 44, 15995-16004.	4.8	77
134	Investigation of Electrochemical Studies of Magnesium Ion Conducting Poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (alcohol 2018, 18, 1103-1109.	0.9	25
135	Enhanced Catalytic Activity, Facile Synthesis and Characterization Studies of Spinel Mn-Co Aluminate Nano-Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1388-1395.	0.9	10
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