

Raghvendra Singh Yadav

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8030157/publications.pdf>

Version: 2024-02-01

73
papers

2,881
citations

147801

31
h-index

168389

53
g-index

77
all docs

77
docs citations

77
times ranked

3553
citing authors

#	ARTICLE	IF	CITATIONS
1	Spinel ferrite and MXene-based magnetic novel nanocomposites: an innovative high-performance electromagnetic interference shielding and microwave absorber. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2023, 48, 441-479.	12.3	6
2	Cu _x Co _{1-x} Fe ₂ O ₄ (x = 0.33, 0.67, 1) Spinel Ferrite Nanoparticles Based Thermoplastic Polyurethane Nanocomposites with Reduced Graphene Oxide for Highly Efficient Electromagnetic Interference Shielding. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2610.	4.1	13
3	Class-based nanocomposites. , 2021, , 137-149.		0
4	Summary and future prospectives. , 2021, , 185-188.		0
5	Rubber-based nanocomposites. , 2021, , 151-160.		0
6	Spinel ferrite nanoparticles. , 2021, , 43-76.		2
7	Spinel soft ferrite-hexagonal ferrite nanocomposites. , 2021, , 125-135.		0
8	Polymer-based nanocomposites. , 2021, , 77-91.		0
9	Cement/concrete-based nanocomposites. , 2021, , 175-183.		0
10	Fabric/textile/wood-based nanocomposites. , 2021, , 161-173.		0
11	Superparamagnetic ZnFe ₂ O ₄ Nanoparticles-Reduced Graphene Oxide-Polyurethane Resin Based Nanocomposites for Electromagnetic Interference Shielding Application. <i>Nanomaterials</i> , 2021, 11, 1112.	4.1	11
12	Spinel ferrite nanocomposites formation and characterization. , 2021, , 21-42.		0
13	Metal, metal oxide, and carbon-based nanocomposites. , 2021, , 93-123.		0
14	High-Performance, Lightweight, and Flexible Thermoplastic Polyurethane Nanocomposites with Zn ²⁺ -Substituted CoFe ₂ O ₄ Nanoparticles and Reduced Graphene Oxide as Shielding Materials against Electromagnetic Pollution. <i>ACS Omega</i> , 2021, 6, 28098-28118.	3.5	22
15	Multifunctional Nanomaterials: Synthesis, Properties and Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12073.	4.1	5
16	Impact of sonochemical synthesis condition on the structural and physical properties of MnFe ₂ O ₄ spinel ferrite nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104839.	8.2	57
17	Excellent, Lightweight and Flexible Electromagnetic Interference Shielding Nanocomposites Based on Polypropylene with MnFe ₂ O ₄ Spinel Ferrite Nanoparticles and Reduced Graphene Oxide. <i>Nanomaterials</i> , 2020, 10, 2481.	4.1	17
18	Synthesis, characterization and examination of photocatalytic performance of hexagonal covellite CuS nanoplates. <i>Materials Chemistry and Physics</i> , 2019, 237, 121823.	4.0	28

#	ARTICLE	IF	CITATIONS
19	Polypropylene Nanocomposite Filled with Spinel Ferrite NiFe ₂ O ₄ Nanoparticles and In-Situ Thermally-Reduced Graphene Oxide for Electromagnetic Interference Shielding Application. <i>Nanomaterials</i> , 2019, 9, 621.	4.1	68
20	NiFe ₂ O ₄ Nanoparticles Synthesized by Dextrin from Corn-Mediated Sol-Gel Combustion Method and Its Polypropylene Nanocomposites Engineered with Reduced Graphene Oxide for the Reduction of Electromagnetic Pollution. <i>ACS Omega</i> , 2019, 4, 22069-22081.	3.5	42
21	Lightweight NiFe ₂ O ₄ -Reduced Graphene Oxide-Elastomer Nanocomposite flexible sheet for electromagnetic interference shielding application. <i>Composites Part B: Engineering</i> , 2019, 166, 95-111.	12.0	59
22	Sonochemical synthesis of Gd ³⁺ doped CoFe ₂ O ₄ spinel ferrite nanoparticles and its physical properties. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 773-783.	8.2	127
23	Structural, magnetic, elastic, dielectric and electrical properties of hot-press sintered Co _{1-x} Zn _x Fe ₂ O ₄ (x = 0.0, 0.5) spinel ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 447, 48-57.	2.3	73
24	Influence of Gd ³⁺ -substitution on structural, magnetic, dielectric and modulus spectroscopic characteristics of ZnFe ₂ O ₄ spinel ferrite nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15878-15893.	2.2	12
25	Structural, dielectric, electrical and magnetic properties of CuFe ₂ O ₄ nanoparticles synthesized by honey mediated sol-gel combustion method and annealing effect. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6245-6261.	2.2	43
26	Structural, magnetic, optical, dielectric, electrical and modulus spectroscopic characteristics of ZnFe ₂ O ₄ spinel ferrite nanoparticles synthesized via honey-mediated sol-gel combustion method. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 87-99.	4.0	117
27	Structural, magnetic, dielectric, and electrical properties of NiFe ₂ O ₄ spinel ferrite nanoparticles prepared by honey-mediated sol-gel combustion. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 107, 150-161.	4.0	147
28	Influence of La ³⁺ on structural, magnetic, dielectric, electrical and modulus spectroscopic characteristics of single phase CoFe _{2-x} La _x O ₄ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9139-9154.	2.2	27
29	Impact of grain size and structural changes on magnetic, dielectric, electrical, impedance and modulus spectroscopic characteristics of CoFe ₂ O ₄ nanoparticles synthesized by honey mediated sol-gel combustion method. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2017, 8, 045002.	1.5	152
30	Towards improved efficiency of bulk-heterojunction solar cells using various spinel ferrite magnetic nanoparticles. <i>Organic Electronics</i> , 2016, 39, 118-126.	2.6	29
31	Cation Migration-Induced Crystal Phase Transformation in Copper Ferrite Nanoparticles and Their Magnetic Property. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 759-769.	1.8	41
32	Anneal-tuned structural, dielectric and electrical properties of ZnFe ₂ O ₄ nanoparticles synthesized by starch-assisted sol-gel auto-combustion method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5992-6002.	2.2	32
33	Impact of Nd ³⁺ in CoFe ₂ O ₄ spinel ferrite nanoparticles on cation distribution, structural and magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 399, 109-117.	2.3	137
34	Hydration of Synthetized Clinker Phases C ₃ S and C ₃ A with Metakaolin in Isothermal Conditions. <i>Advanced Materials Research</i> , 2015, 1124, 23-30.	0.3	1
35	Structural and Magnetic Properties of CoFe ₂ O ₄ Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-Combustion Method in Air, Argon, Nitrogen and Vacuum Atmospheres. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 249-258.	1.8	9
36	Magnetic Properties of Dysprosium-Doped Cobalt Ferrite Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2097-2107.	1.8	30

#	ARTICLE	IF	CITATIONS
37	Structural and Magnetic Properties of $\text{CoFe}_{2-x}\text{Gd}_x\text{O}_4$ (0.0 $\leq x \leq$ 0.1) Spinel Ferrite Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1797-1806.	1.8	7
38	Magnetic Properties of ZnFe_2O_4 Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1417-1423.	1.8	30
39	Effects of annealing temperature variation on the evolution of structural and magnetic properties of NiFe_2O_4 nanoparticles synthesized by starch-assisted sol-gel auto-combustion method. Journal of Magnetism and Magnetic Materials, 2015, 394, 439-447.	2.3	61
40	Structural, Cation Distribution, and Magnetic Properties of CoFe_2O_4 Spinel Ferrite Nanoparticles Synthesized Using a Starch-Assisted Sol-Gel Auto-Combustion Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1851-1861.	1.8	34
41	Magnetic properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ spinel ferrite nanoparticles synthesized by starch-assisted sol-gel autocombustion method and its ball milling. Journal of Magnetism and Magnetic Materials, 2015, 378, 190-199.	2.3	113
42	Effect of Pr ³⁺ Substitution on Structural and Magnetic Properties of CoFe_2O_4 Spinel Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2015, 28, 241-248.	1.8	10
43	Bandgap engineering of colloidal zinc oxysulfide via lattice substitution with sulfur. Nanoscale, 2014, 6, 1602-1606.	5.6	35
44	Enhanced blue luminescence in $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}, \text{Er}, \text{Nd}$ nanophosphor for PDPs and Mercury free fluorescent lamps. Journal of Alloys and Compounds, 2013, 547, 1-4.	5.5	18
45	Study of Structural and Optoelectronic Properties of ZnO Codoped with Ca and Mg. Indian Journal of Materials Science, 2013, 2013, 1-6.	0.6	3
46	Synthesis Of Lamellar Porous Photocatalytic Nano ZnO With The Help Of anionic Surfactant. Advanced Materials Letters, 2013, 4, 378-384.	0.6	5
47	Thermal, structural, magnetic and photoluminescence studies on cobalt ferrite nanoparticles obtained by citrate precursor method. Journal of Thermal Analysis and Calorimetry, 2012, 110, 573-580.	3.6	56
48	Structural, optical and photoconductivity characteristics of manganese doped cadmium sulfide nanoparticles synthesized by co-precipitation method. Journal of Alloys and Compounds, 2012, 513, 118-124.	5.5	37
49	A new class of PANI-Ag core-shell nanorods with sensing dimensions. Nanoscale, 2012, 4, 3886.	5.6	40
50	Green synthesis of nanosilver as a sensor for detection of hydrogen peroxide in water. Journal of Hazardous Materials, 2012, 213-214, 161-166.	12.4	62
51	Biological approach of zinc oxide nanoparticles formation and its characterization. Advanced Materials Letters, 2011, 2, 313-317.	0.6	201
52	Controlled growth of flower-like, rod-like, and snowflake-like ZnO nanostructures using agarose as biotemplate and its photoluminescence property. Structural Chemistry, 2011, 22, 1281-1286.	2.0	9
53	Structural, photoconductivity and photoluminescence characterization of cadmium sulfide quantum dots prepared by a co-precipitation method. Electronic Materials Letters, 2011, 7, 31-38.	2.2	57
54	$\text{BaAl}_2\text{O}_9:\text{Mn}^{2+}$ green emitting nanophosphor for PDP application synthesized by solution combustion method and its Vacuum Ultra-Violet Photoluminescence Characteristics. Journal of Luminescence, 2011, 131, 1998-2003.	3.1	34

#	ARTICLE	IF	CITATIONS
55	Photoluminescence and photoconductive characteristics of hydrothermally synthesized ZnO nanoparticles. Opto-electronics Review, 2010, 18, .	2.4	119
56	Preparation, characterization, and optical properties of a chitosanâ€“anthraldehyde crosslinkable film. Journal of Applied Polymer Science, 2010, 115, 3056-3062.	2.6	42
57	Formation of ZnO@Cd(OH) ₂ core-shell nanoparticles by solâ€“gel method: An approach to modify surface chemistry for stable and enhanced green emission. Journal of Luminescence, 2010, 130, 365-373.	3.1	13
58	Growth mechanism and optical property of CdS nanoparticles synthesized using amino-acid histidine as chelating agent under sonochemical process. Ultrasonics Sonochemistry, 2010, 17, 116-122.	8.2	64
59	Growth mechanism and photoluminescence property of flower-like ZnO nanostructures synthesized by starch-assisted sonochemical method. Ultrasonics Sonochemistry, 2010, 17, 560-565.	8.2	66
60	Tuning the band gap of ZnO nanoparticles by ultrasonic irradiation. Inorganic Materials, 2010, 46, 163-167.	0.8	8
61	Enhanced efficiency in quantum confined YBO ₃ :Tb ³⁺ nanophosphor. Journal of Alloys and Compounds, 2010, 494, L15-L19.	5.5	22
62	Histidine functionalised biocompatible CdS quantum dots synthesised by sonochemical method. Journal of Experimental Nanoscience, 2010, 5, 348-356.	2.4	5
63	Application of ZnO nanoparticles in influencing the growth rate of <i>Cicer arietinum</i> . Journal of Experimental Nanoscience, 2010, 5, 488-497.	2.4	139
64	Photoconductivity, dark-conductivity and photoluminescence study of hydrothermally synthesized ZnO nanoparticles. , 2009, , .		4
65	Particle size distribution study by small-angle X-ray scattering technique and photoluminescence property of ZnO nanoparticles. Journal of Experimental Nanoscience, 2009, 4, 139-146.	2.4	10
66	Hydrothermal synthesis and optical study of bunches of ZnO nanowires. Structural Chemistry, 2009, 20, 847-850.	2.0	5
67	Micro-Raman and photoluminescence study of urchin-like ZnO structure assembled with nanorods synthesized by hydrothermal method. Structural Chemistry, 2009, 20, 1093-1097.	2.0	13
68	Improved color purity in nano-size Eu ³⁺ -doped YBO ₃ red phosphor. Journal of Luminescence, 2009, 129, 1078-1082.	3.1	75
69	ZnO nanoparticle synthesis in presence of biocompatible carbohydrate starch. , 2009, , .		0
70	Needle-like ZnO nanostructure synthesized by organic-free hydrothermal process. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 660-663.	2.7	15
71	Growth mechanism and optical property of ZnO nanoparticles synthesized by sonochemical method. Ultrasonics Sonochemistry, 2008, 15, 863-868.	8.2	134
72	Small angle X-ray scattering and photoluminescence study of ZnO nanoparticles synthesized by hydrothermal process. Journal of Experimental Nanoscience, 2007, 2, 177-182.	2.4	8

#	ARTICLE	IF	CITATIONS
73	ZnO porous structures synthesized by CTAB-assisted hydrothermal process. Structural Chemistry, 2007, 18, 1001-1004.	2.0	20