

# Shalendra Kumar

## List of Publications by Year in descending order

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264  
papers

5,968  
citations

76326

40  
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114465

63  
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265  
all docs

265  
docs citations

265  
times ranked

4569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and electrical properties of $\text{Co}_{0.5}\text{Cd}_x\text{Fe}_{2.5-x}\text{O}_4$ ferrites. Journal of Alloys and Compounds, 2008, 464, 361-369.	5.5	195
2	Structural, electrical and magnetic properties of $\text{Co/Cu}$ ferrite nanoparticles. Journal of Alloys and Compounds, 2012, 518, 11-18.	5.5	184
3	Study of dielectric and ac impedance properties of Ti doped Mn ferrites. Current Applied Physics, 2009, 9, 1397-1406.	2.4	135
4	Influence of Al doping on electrical properties of $\text{Ni/Cd}$ nano ferrites. Current Applied Physics, 2009, 9, 826-832.	2.4	131
5	Influence of rare earth ion doping (Ce and Dy) on electrical and magnetic properties of cobalt ferrites. Journal of Magnetism and Magnetic Materials, 2018, 449, 319-327.	2.3	130
6	Structural, magnetic and electrical properties of $\text{Al}^{3+}$ substituted $\text{Ni/Zn}$ ferrite nanoparticles. Journal of Alloys and Compounds, 2012, 511, 107-114.	5.5	127
7	Preparation and characterization chemistry of nano-crystalline $\text{Ni/Cu/Zn}$ ferrite. Journal of Alloys and Compounds, 2013, 549, 348-357.	5.5	114
8	Synthesis and characterizations of $\text{Ni}^{2+}$ substituted cobalt ferrite nanoparticles. Materials Chemistry and Physics, 2013, 139, 364-374.	4.0	105
9	Defects and oxygen vacancies tailored structural and optical properties in $\text{CeO}_2$ nanoparticles doped with $\text{Sm}^{3+}$ cation. Journal of Alloys and Compounds, 2018, 752, 520-531.	5.5	104
10	Doping effects of $\text{Co}^{2+}$ ions on structural and magnetic properties of $\text{ZnO}$ nanoparticles. Microelectronic Engineering, 2012, 89, 129-132.	2.4	98
11	A Novel Synthesis of the Graphene Oxide-Silver (GO-Ag) Nanocomposite for Unique Physiochemical Applications. ACS Omega, 2020, 5, 5041-5047.	3.5	96
12	Influence of frequency, temperature and composition on electrical properties of polycrystalline $\text{Co}_{0.5}\text{Cd}_x\text{Fe}_{2.5-x}\text{O}_4$ ferrites. Physica B: Condensed Matter, 2008, 403, 684-701.	2.7	91
13	Morphological evolution between nanorods to nanosheets and room temperature ferromagnetism of Fe-doped $\text{ZnO}$ nanostructures. CrystEngComm, 2012, 14, 4016.	2.6	86
14	Structural, optical, and surface morphological studies of ethyl cellulose/graphene oxide nanocomposites. Polymer Composites, 2020, 41, 2792-2802.	4.6	85
15	Preparation and characterizations of polyaniline (PANI)/ $\text{ZnO}$ nanocomposites film using solution casting method. Thin Solid Films, 2011, 519, 8375-8378.	1.8	82
16	Finite size effect and influence of temperature on electrical properties of nanocrystalline $\text{Ni/Cd}$ ferrites. Current Applied Physics, 2009, 9, 1072-1078.	2.4	77
17	Structural and Magnetic Properties of Ni Doped $\text{CeO}_2$ Nanoparticles. Journal of Nanoscience and Nanotechnology, 2010, 10, 7204-7207.	0.9	74
18	Structural and magnetic properties of chemically synthesized Fe doped $\text{ZnO}$ . Journal of Applied Physics, 2009, 105, .	2.5	69

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19	Spectroscopic studies, molecular structure optimization and investigation of structural and electrical properties of novel and biodegradable Chitosan-GO polymer nanocomposites. Journal of Materials Science, 2020, 55, 14829-14847.	3.7	67
20	Structural, dielectric, and magnetic properties of $\text{La}_{0.8}\text{Bi}_{0.2}\text{Fe}_{1-x}\text{Mn}_x\text{O}_3$ (0.0 ≤ x ≤ 0.4) multiferroics. Journal of Applied Physics, 2010, 107, .	2.5	66
21	Structural, electronic, and magnetic properties of Co doped $\text{SnO}_2$ nanoparticles. Journal of Applied Physics, 2010, 107, .	2.5	66
22	Electronic Structure and Room Temperature Ferromagnetism in Gd-doped Cerium Oxide Nanoparticles for Hydrogen Generation via Photocatalytic Water Splitting. Global Challenges, 2019, 3, 1800090.	3.6	62
23	Magnetic Properties of Fe and Ni Doped $\text{SnO}_2$ Nanoparticles. Nanomaterials and Nanotechnology, 2011, 1, 6.	3.0	61
24	Study of ac impedance spectroscopy of Al doped $\text{MnFe}_2 \times \text{Al}_2 \times \text{O}_4$ . Journal of Alloys and Compounds, 2009, 480, 596-602.	5.5	60
25	Investigation of structural and optical properties of ZnO thin films of different thickness grown by pulsed laser deposition method. Physica B: Condensed Matter, 2019, 552, 221-226.	2.7	57
26	Room temperature ferromagnetism in chemically synthesized ZnO rods. Materials Letters, 2009, 63, 194-196.	2.6	56
27	Influence of $\text{Cr}^{3+}$ ion on the structural, ac conductivity and magnetic properties of nanocrystalline $\text{Ni-Mg}$ ferrite. Ceramics International, 2013, 39, 1807-1819.	4.8	55
28	Exploring the structural, Mössbauer and dielectric properties of $\text{Co}^{2+}$ incorporated $\text{Mg}_{0.5}\text{Zn}_{0.5-x}\text{Co}_x\text{Fe}_2\text{O}_4$ nanocrystalline ferrite. Journal of Magnetism and Magnetic Materials, 2014, 360, 21-33.	2.3	55
29	Influence of the doping of $\text{Ti}^{4+}$ ions on electrical and magnetic properties of $\text{Mn}_{1+x}\text{Fe}_2 \times \text{Ti}_x \text{O}_4$ ferrite. Journal of Alloys and Compounds, 2009, 469, 451-457.	5.5	54
30	RAPID AND COST EFFECTIVE SYNTHESIS OF ZnO NANORODS USING MICROWAVE IRRADIATION TECHNIQUE. Functional Materials Letters, 2011, 04, 1-5.	1.2	53
31	Structural properties and magnetic interactions in $\text{Ni}_{0.5}\text{Mg}_{0.5}\text{Fe}_2 \times \text{Cr}_x \text{O}_4$ (0 ≤ x ≤ 1) ferrite nanoparticles. Powder Technology, 2012, 229, 37-44.	4.2	51
32	Mössbauer studies of $\text{Co}_{0.5}\text{Cd}_x\text{Fe}_{2.5-x}\text{O}_4$ (0.0 ≤ x ≤ 0.5) ferrite. Physica B: Condensed Matter, 2008, 403, 3604-3607.	2.7	50
33	Direct relationship between lattice volume, bandgap, morphology and magnetization of transition metals (Cr, Mn and Fe)-doped ZnO nanostructures. Acta Materialia, 2012, 60, 5190-5196.	7.9	49
34	Impact of annealing on the structural and optical properties of ZnO nanoparticles and tracing the formation of clusters via DFT calculation. Arabian Journal of Chemistry, 2020, 13, 2207-2218.	4.9	48
35	Oxygen vacancies and F+ centre tailored room temperature ferromagnetic properties of $\text{CeO}_2$ nanoparticles with Pr doping concentrations and annealing in hydrogen environment. Journal of Alloys and Compounds, 2020, 844, 156079.	5.5	48
36	Influence of Sm doping on structural, ferroelectric, electrical, optical and magnetic properties of $\text{BaTiO}_3$ . Vacuum, 2021, 184, 109872.	3.5	47

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37	Above room temperature magnetic transition and magnetocaloric effect in La <sub>0.66</sub> Sr <sub>0.34</sub> MnO <sub>3</sub> . Journal of the Korean Physical Society, 2012, 60, 1587-1592.	0.7	46
38	Manganese ferrite prepared using reverse micelle process: Structural and magnetic properties characterization. Journal of Alloys and Compounds, 2015, 642, 70-77.	5.5	46
39	Microwave assisted synthesis of gold nanoparticles and their antibacterial activity against Escherichia coli (E. coli). Current Applied Physics, 2011, 11, S360-S363.	2.4	44
40	Engineering the optical properties of Cu doped CeO <sub>2</sub> NCs for application in white LED. Ceramics International, 2020, 46, 7482-7488.	4.8	44
41	Structural, optical, elastic and magnetic properties of Ce and Dy doped cobalt ferrites. Journal of Alloys and Compounds, 2020, 834, 155089.	5.5	43
42	Growth and characterization of ZnO nanorods by microwave-assisted route: green chemistry approach. Advanced Materials Letters, 2011, 2, 183-187.	0.6	43
43	Studies on the activation energy from the ac conductivity measurements of rubber ferrite composites containing manganese zinc ferrite. Physica B: Condensed Matter, 2012, 407, 4097-4103.	2.7	41
44	Room temperature ferromagnetism in Ni doped In <sub>2</sub> O <sub>3</sub> nanoparticles. Thin Solid Films, 2011, 519, 8243-8246.	1.8	39
45	Study the contribution of surface defects on the structural, electronic structural, magnetic, and photocatalyst properties of Fe: CeO <sub>2</sub> nanoparticles. Journal of Electron Spectroscopy and Related Phenomena, 2019, 235, 29-39.	1.7	39
46	Study of humidity sensing properties and ion beam induced modifications in SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite thin films. Surface and Coatings Technology, 2020, 392, 125768.	4.8	39
47	Lattice defects and oxygen vacancies formulated ferromagnetic, luminescence, structural properties and band-gap tuning in Nd <sup>3+</sup> substituted ZnO nanoparticles. Journal of Luminescence, 2022, 243, 118673.	3.1	39
48	Irreversible magnetic behavior with temperature variation of Ni <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 507, 166861.	2.3	38
49	Construction of strontium phosphate/graphitic-carbon nitride: A flexible and disposable strip for acetaminophen detection. Journal of Hazardous Materials, 2021, 410, 124542.	12.4	38
50	Electronic structure studies of Fe-doped ZnO nanorods by x-ray absorption fine structure. Journal Physics D: Applied Physics, 2009, 42, 175406.	2.8	37
51	Synthesis and ageing effect in FeO nanoparticles: Transformation to core-shell FeO/Fe <sub>3</sub> O <sub>4</sub> and their magnetic characterization. Journal of Alloys and Compounds, 2011, 509, 6414-6417.	5.5	37
52	Effect of grinding aids on the grinding energy consumed during grinding of calcite in a stirred ball mill. Minerals Engineering, 2010, 23, 54-57.	4.3	36
53	Room temperature ferromagnetism in Fe-doped CeO <sub>2</sub> thin films grown on LaAlO <sub>3</sub> (001). Thin Solid Films, 2010, 519, 410-413.	1.8	36
54	Structural and optical study of samarium doped cerium oxide thin films prepared by electron beam evaporation. Journal of Alloys and Compounds, 2011, 509, 4525-4529.	5.5	36

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55	Tailored construction of one-dimensional TiO <sub>2</sub> /Au nanofibers: Validation of an analytical assay for detection of diphenylamine in food samples. <i>Food Chemistry</i> , 2022, 380, 132052.	8.2	36
56	Structural and electrical properties of Mg <sub>2</sub> TiO <sub>4</sub> . <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 689-692.	1.1	35
57	Magnetoelectric properties of Bi <sub>x</sub> Co <sub>2-2x</sub> MnO <sub>4</sub> (x=0.1, 0.2, 0.3). <i>Applied Physics Letters</i> , 2008, 92, .	3.3	34
58	High temperature dielectric studies of indium-substituted NiCuZn nanoferrites. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 112, 29-36.	4.0	34
59	Defects/vacancies engineering and ferromagnetic behavior in pure ZnO and ZnO doped with Co nanoparticles. <i>Materials Research Bulletin</i> , 2016, 83, 108-115.	5.2	33
60	Defect induced room temperature ferromagnetism in well-aligned ZnO nanorods grown on Si (100) substrate. <i>Thin Solid Films</i> , 2011, 519, 8199-8202.	1.8	32
61	Study of structural, electrical and magnetic properties of Cr doped Ni <sup>2+</sup> Mg ferrite nanoparticle. <i>Journal of Alloys and Compounds</i> , 2014, 602, 150-156.	5.5	32
62	Tailoring the structural, electronic structure and optical properties of Fe: SnO <sub>2</sub> nanoparticles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020, 240, 146934.	1.7	32
63	Electronic structure, magnetic and structural properties of Ni doped ZnO nanoparticles. <i>Materials Research Bulletin</i> , 2014, 59, 377-381.	5.2	31
64	Influence of samarium doping on structural, elastic, magnetic, dielectric, and electrical properties of nanocrystalline cobalt ferrite. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	31
65	Temperature-dependent Mössbauer and dielectric studies of Mg <sub>0.95</sub> Mn <sub>0.05</sub> Fe <sub>1.0</sub> Ti <sub>1.0</sub> O <sub>4</sub> . <i>Solid State Communications</i> , 2007, 142, 706-709.	1.9	30
66	The nature and enhancement of magnetic surface contribution in model NiO nanoparticles. <i>Nanotechnology</i> , 2010, 21, 035602.	2.6	30
67	Study of nanocrystalline ceria thin films deposited by e-beam technique. <i>Current Applied Physics</i> , 2011, 11, S301-S304.	2.4	30
68	Structural, magnetic and electronic structure properties of Co doped ZnO nanoparticles. <i>Materials Research Bulletin</i> , 2015, 66, 76-82.	5.2	30
69	Magnetic study of Mg <sub>0.95</sub> Mn <sub>0.05</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles. <i>Solid State Communications</i> , 2007, 141, 203-208.	1.9	29
70	Structural and Magnetic Study of a Diluted Magnetic Semiconductor: Fe-Doped CeO <sub>2</sub> Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 555-559.	0.9	29
71	Electrical transport, magnetic, and electronic structure studies of Mg <sub>0.95</sub> Mn <sub>0.05</sub> Fe <sub>2</sub> Ti <sub>2</sub> O <sub>4</sub> (x=0.5) ferrites. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 476210.	1.8	28
72	Structural, magnetic and electronic structure studies of Mn doped TiO <sub>2</sub> thin films. <i>Applied Surface Science</i> , 2011, 257, 10557-10561.	6.1	28

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73	Signature of room temperature ferromagnetism in Mn doped CeO <sub>2</sub> nanoparticles. Materials Research Bulletin, 2012, 47, 2980-2983.	5.2	28
74	Electronic structure study of Co doped CeO <sub>2</sub> nanoparticles using X-ray absorption fine structure spectroscopy. Journal of Alloys and Compounds, 2014, 611, 329-334.	5.5	28
75	Defects and oxygen vacancies tailored structural, optical and electronic structure properties of Co-doped ZnO nanoparticle samples probed using soft X-ray absorption spectroscopy. Vacuum, 2020, 179, 109538.	3.5	28
76	Hydrothermal synthesis and indication of room temperature ferromagnetism in CeO <sub>2</sub> nanowires. Materials Letters, 2011, 65, 3098-3101.	2.6	27
77	Study of structural and magnetic properties of (Co-Cu)Fe <sub>2</sub> O <sub>4</sub> /PANI composites. Materials Chemistry and Physics, 2013, 141, 406-415.	4.0	27
78	Structural and Magnetic Properties of Co Doped CeO <sub>2</sub> Nano-Particles. IEEE Transactions on Magnetics, 2009, 45, 2439-2441.	2.1	26
79	Study of magnetic entropy change in La <sub>0.65</sub> Sr <sub>0.35</sub> Cu <sub>0.1</sub> Mn <sub>0.9</sub> O <sub>3</sub> complex perovskite. Journal of Electroceramics, 2013, 30, 46-50.	2.0	26
80	Capping agent-induced variation of physicochemical and biological properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Materials Chemistry and Physics, 2021, 258, 123899.	4.0	26
81	Modeling and simulation of GaN based QW LED for UV emission. Optik, 2018, 158, 1334-1341.	2.9	25
82	Performance enhancement of UV quantum well light emitting diode through structure optimization. Optical and Quantum Electronics, 2019, 51, 1.	3.3	25
83	ROOM TEMPERATURE FERROMAGNETISM IN PURE AND Cu DOPED ZnO NANORODS: ROLE OF COPPER OR DEFECTS. Functional Materials Letters, 2011, 04, 17-20.	1.2	24
84	Investigation of structural, dielectric, magnetic and antibacterial activity of Cu-Cd-Ni-FeO <sub>4</sub> nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 341, 148-157.	2.3	24
85	Binder-Free Electrode Based on ZnO Nanorods Directly Grown on Aluminum Substrate for High Performance Supercapacitors. Nanomaterials, 2020, 10, 1979.	4.1	24
86	Influence of high energy ion irradiation on structural, morphological and optical properties of high-k dielectric hafnium oxide (HfO <sub>2</sub> ) thin films grown by atomic layer deposition. Journal of Alloys and Compounds, 2020, 831, 154698.	5.5	24
87	Exploration of spectroscopic, surface morphological, structural, electrical, optical and mechanical properties of biocompatible PVA-GO PNCs. Diamond and Related Materials, 2022, 127, 109158.	3.9	24
88	Role of interparticle interactions on the magnetic behavior of Mg <sub>0.95</sub> Mn <sub>0.05</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles. Journal of Physics Condensed Matter, 2008, 20, 235214.	1.8	23
89	Optimization of Type-II W-shaped InGaAsP/GaAsSb nanoscale-heterostructure under electric field and temperature. Superlattices and Microstructures, 2017, 112, 507-516.	3.1	23
90	Mössbauer and magnetic studies of multiferroic Mg <sub>0.95</sub> Mn <sub>0.05</sub> Fe <sub>2-x</sub> Ti <sub>x</sub> O <sub>4</sub> system. Journal of Applied Physics, 2006, 99, 08M910.	2.5	22

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91	Investigation of local geometrical structure, electronic state and magnetic properties of PLD grown Ni doped SnO <sub>2</sub> thin films. Journal of Electron Spectroscopy and Related Phenomena, 2019, 232, 21-28.	1.7	22
92	Effect of defects and oxygen vacancies on the RTFM properties of pure and Gd-doped CeO <sub>2</sub> nanomaterials through soft XAS. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	22
93	Ferromagnetic Properties of Bulk Fe-doped CeO <sub>2</sub> Dilute Magnetic Semiconductors. Journal of the Korean Physical Society, 2009, 55, 1018-1021.	0.7	22
94	Influence of Ni <sup>2+</sup> substitution on the structural, dielectric and magnetic properties of Cu <sup>2+</sup> /Cd ferrite nanoparticles. Journal of Alloys and Compounds, 2013, 573, 198-204.	5.5	21
95	Electronic structure and magnetic properties of Co doped TiO <sub>2</sub> thin films using X-ray absorption spectroscopy. Ceramics International, 2015, 41, S370-S375.	4.8	21
96	Role of Fe doping on surface morphology, electronic structure and magnetic properties of Fe doped CeO <sub>2</sub> thin film. Ceramics International, 2021, 47, 4012-4019.	4.8	21
97	Microwave Assisted Hydrothermal Synthesis and Magnetocaloric Properties of La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> Manganite. Journal of Nanoscience and Nanotechnology, 2012, 12, 5523-5526.	0.9	20
98	Structural, magnetic and magnetocaloric properties of La <sub>0.65</sub> Sr <sub>0.35</sub> V <sub>0.1</sub> Mn <sub>0.9</sub> O <sub>3</sub> perovskite. Materials Research Bulletin, 2012, 47, 2977-2979.	5.2	20
99	Superparamagnetic behavior of indium substituted NiCuZn nano ferrites. Journal of Magnetism and Magnetic Materials, 2015, 381, 416-421.	2.3	20
100	Optical and electronic characteristics of ITO/NPB/Alq <sub>3</sub> :DCJTB/Alq <sub>3</sub> /Ag heterostructure based organic light emitting diode. Optik, 2020, 223, 165572.	2.9	20
101	Irradiation induced texturing in the Mg <sub>0.95</sub> Mn <sub>0.05</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite thin film. Thin Solid Films, 2009, 517, 2758-2761.	1.8	19
102	Comparative study of the Ag/PVP nanocomposites synthesized in water and in ethylene glycol. Current Applied Physics, 2011, 11, S346-S349.	2.4	19
103	Band gap engineering, electronic state and local atomic structure of Ni doped CeO <sub>2</sub> nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 4562-4571.	2.2	19
104	High pressure affects on optical characteristics of AlGaAs/GaAsP/AlGaAs nano-heterostructure. Optik, 2019, 181, 389-397.	2.9	19
105	Investigations of TM (Ni, Co) doping on structural, optical and magnetic properties of CeO <sub>2</sub> nanoparticles. Vacuum, 2020, 181, 109717.	3.5	19
106	Ferromagnetism in Chemically-synthesized Co-doped ZnO. Journal of the Korean Physical Society, 2009, 55, 1060-1064.	0.7	19
107	Synthesis and tuning the exchange bias in Ni <sup>2+</sup> /NiO nanoparticulate systems. Journal of Applied Physics, 2010, 107, 09D725.	2.5	18
108	Development of Selenium Nanoparticle Based Agriculture Sensor for Heavy Metal Toxicity Detection. Agriculture (Switzerland), 2020, 10, 610.	3.1	18



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109	Fluorescence resonance energy transfer and surface Plasmon resonance induced enhanced photoluminescence and photoconductivity property of Au@TiO <sub>2</sub> metal-semiconductor nanocomposite. <i>Optical Materials</i> , 2015, 40, 97-101.	3.6	17
110	Effects of rapid thermal annealing on the local environment, electronic structure and magnetic properties of Mn doped TiO <sub>2</sub> thin films. <i>Applied Surface Science</i> , 2018, 445, 287-297.	6.1	17
111	Role of Fe-Doping on Structural, Optical and Magnetic Properties of SnO <sub>2</sub> Nanoparticles. <i>Journal of Electronic Materials</i> , 2019, 48, 8181-8192.	2.2	17
112	Interplay of structural, optical, and magnetic properties of Ce <sub>1-x</sub> Nd <sub>x</sub> O <sub>2</sub> nanoparticles with electronic structure probed using X-ray absorption spectroscopy. <i>Vacuum</i> , 2020, 180, 109537.	3.5	17
113	Oxygen vacancies and defects induced room temperature ferromagnetic properties of pure and Fe-doped CeO <sub>2</sub> nanomaterials investigated using X-ray photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2022, 254, 147140.	1.7	17
114	Revisiting the physiochemical properties of Hematite (α-Fe <sub>2</sub> O <sub>3</sub> ) nanoparticle and exploring its bio-environmental application. <i>Materials Research Express</i> , 2019, 6, 095072.	1.6	16
115	Exploration of structural, morphological and magnetic properties of transition metal doped SnO <sub>2</sub> films grown using pulsed laser deposition. <i>Vacuum</i> , 2020, 182, 109725.	3.5	16
116	Monitoring Food Spoilage Based on a Defect-Induced Multiwall Carbon Nanotube Sensor at Room Temperature: Preventing Food Waste. <i>ACS Omega</i> , 2020, 5, 30531-30537.	3.5	16
117	INFLUENCE OF Co DOPING ON STRUCTURAL, OPTICAL AND MAGNETIC STUDIES OF Co-DOPED CeO <sub>2</sub> NANOPARTICLES. <i>Nano</i> , 2010, 05, 349-355.	1.0	15
118	Nanobiotechnology: Scope and Potential for Crop Improvement. , 2013, , 245-269.		15
119	Investigation of structural and magnetic properties of La doped Co-Mn ferrite nanoparticles in the presence of α-Fe <sub>2</sub> O <sub>3</sub> phase. <i>Solid State Communications</i> , 2022, 342, 114629.	1.9	15
120	Electronic structure and electrochemical properties of La-doped BiFeO <sub>3</sub> nanoparticles. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 253, 147138.	1.7	14
121	One Step Synthesis of Rutile TiO <sub>2</sub> Nanoparticles at Low Temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1555-1558.	0.9	13
122	Magnetic and electrical properties of La <sub>0.7</sub> Ca <sub>0.3</sub> Mn <sub>0.95</sub> Co <sub>0.05</sub> O <sub>3</sub> epitaxial layers by pulsed laser deposition. <i>Ceramics International</i> , 2012, 38, S443-S446.	4.8	13
123	Electronic structure and dielectric properties of ZrO <sub>2</sub> -CeO <sub>2</sub> mixed oxides. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 119, 242-250.	4.0	13
124	Improvement in efficiency of yellow Light Emitting Diode using InGaN barriers and modified electron injection layer. <i>Optik</i> , 2020, 206, 163716.	2.9	13
125	Growth of Defect-Induced Carbon Nanotubes for Low-Temperature Fruit Monitoring Sensor. <i>Chemosensors</i> , 2021, 9, 131.	3.6	13
126	Structural, magnetic and field-driven abrupt magnetocaloric properties of La <sub>1.4-x</sub> Sm <sub>x</sub> Ca <sub>1.6</sub> Mn <sub>2</sub> O <sub>7</sub> Ruddlesden-Popper manganites. <i>Journal of the European Ceramic Society</i> , 2021, 41, 7050-7061.	5.7	13



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127	Defects engineering and enhancement in optical and structural properties of 2D-MoS <sub>2</sub> thin films by high energy ion beam irradiation. <i>Materials Chemistry and Physics</i> , 2022, 276, 125422.	4.0	13
128	Lead-free piezoelectric BiFeO <sub>3</sub> -BaTiO <sub>3</sub> thin film with high Curie temperature. <i>Current Applied Physics</i> , 2016, 16, 1449-1452.	2.4	12
129	High energy (150 eV) Fe <sup>11+</sup> ion beam induced modifications of physico-chemical and photoluminescence properties of high-k dielectric nanocrystalline zirconium oxide thin films. <i>Ceramics International</i> , 2019, 45, 18887-18898.	4.8	12
130	Enhanced near-band edge emission in pulsed laser deposited ZnO/c-sapphire nanocrystalline thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	12
131	Large Magnetic Entropy Change in La <sub>0.55</sub> Ce <sub>0.2</sub> Ca <sub>0.25</sub> MnO <sub>3</sub> Perovskite. <i>Journal of Magnetism</i> , 2011, 16, 457-460.	0.4	12
132	Investigation of local atomic structure of Ni doped SnO <sub>2</sub> thin films via X-ray absorption spectroscopy and their magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 760-770.	2.2	11
133	Transport and Dielectric Properties of Mechano-synthesized La <sub>2/3</sub> Cu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramics. <i>Crystals</i> , 2021, 11, 313.	2.2	11
134	Synthesis of Magnetically Recoverable Ru/Fe <sub>3</sub> O <sub>4</sub> Nanocomposite for Efficient Photocatalytic Degradation of Methylene Blue. <i>Journal of Cluster Science</i> , 2022, 33, 853-865.	3.3	11
135	Chemically inducing room temperature spin-crossover in double layered magnetic refrigerants Pr <sub>1.4</sub> Sr <sub>1.6</sub> Mn <sub>2</sub> O <sub>7</sub> (0.0 ≤ x ≤ 0.5). <i>Journal of Materials Science and Technology</i> , 2022, 124, 232-242.	10.7	11
136	Electronic structure studies of Mg <sub>0.95</sub> Mn <sub>0.05</sub> Fe <sub>2</sub> Ti <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 0.8). <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e121-e124.	2.3	10
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