Yogendra Kumar

List of Publications by Year
in descending order

28	910	430874 18	526287 27
papers	citations	h-index	g-index

28	28	28	1102
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic excitation induced phase transformation in Gd2Zr2O7 pyrochlore for extreme condition applications. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	3
2	Structural assessment and irradiation response of La2Zr2O7 pyrochlore: Impact of irradiation temperature and ion fluence. Journal of Alloys and Compounds, 2021, 862, 158556.	5.5	23
3	Atomic order-disorder engineering in the La2Zr2O7 pyrochlore under low energy ion irradiation. Ceramics International, 2021, 47, 20248-20259.	4.8	14
4	Engineering the opticaland magnetic properties of Zn doped CoFe2O4 nanoparticles. AIP Conference Proceedings, 2020, , .	0.4	0
5	Temperature dependent I-V characteristics of Ni doped topological insulator Bi2Se3 nanoparticles. AIP Conference Proceedings, 2019, , .	0.4	2
6	Synthesis and humidity sensing behaviour of Cu-intercalated Bi2Se3 topological insulator single crystals. AIP Conference Proceedings, 2019, , .	0.4	2
7	Investigations of atomic disorder and grain growth kinetics in polycrystalline La2Zr2O7. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	14
8	Impact of different morphologies of CoFe2O4 nanoparticles for tuning of structural, optical and magnetic properties. Journal of Alloys and Compounds, 2019, 778, 398-409.	5.5	56
9	Synthesis of humidity sensitive zinc stannate nanomaterials and modelling of Freundlich adsorption isotherm model. AIP Conference Proceedings, 2018, , .	0.4	4
10	Controlled Zn_{1â^'x}Ni_xO nanostructures for an excellent humidity sensor and a plausible sensing mechanism. New Journal of Chemistry, 2018, 42, 8445-8457.	2.8	32
11	Structural, optical and excellent humidity sensing behaviour of ZnSnO3 nanoparticles: effect of annealing. Journal of Materials Science: Materials in Electronics, 2018, 29, 10769-10783.	2.2	15
12	Effect of Cu intercalation on humidity sensing properties of Bi₂Se₃ topological insulator single crystals. Physical Chemistry Chemical Physics, 2018, 20, 28257-28266.	2.8	21
13	Morphology-controlled synthesis and enhanced energy product (BH)_{max} of CoFe₂O₄ nanoparticles. New Journal of Chemistry, 2018, 42, 15793-15802.	2.8	57
14	Enhancement of field electron emission in topological insulator Bi2Se3 by Ni doping. Physical Chemistry Chemical Physics, 2018, 20, 18429-18435.	2.8	17
15	Highest coercivity and considerable saturation magnetization of CoFe2O4 nanoparticles with tunable band gap prepared by thermal decomposition approach. Journal of Materials Science, 2017, 52, 4840-4851.	3.7	62
16	Search for Origin of Room Temperature Ferromagnetism Properties in Ni-Doped ZnO Nanostructure. ACS Applied Materials & Interfaces, 2017, 9, 7691-7700.	8.0	99
17	Synthesis of Ammonia-Assisted Porous Nickel Ferrite (NiFe₂O₄) Nanostructures as an Electrode Material for Supercapacitors. Journal of Nanoscience and Nanotechnology, 2017, 17, 1387-1392.	0.9	44
18	Shape-controlled CoFe₂O₄ nanoparticles as an excellent material for humidity sensing. RSC Advances, 2017, 7, 55778-55785.	3.6	64

#	Article	IF	Citations
19	Mesoporous nickel cobalt hydroxide/oxide as an excellent room temperature ammonia sensor. Scripta Materialia, 2017, 128, 65-68.	5.2	64
20	Growth of transparent Zn1â˜'Sr O (0.0 â‰¤xâ‰¤ 0.08) films by facile wet chemical method: Effect of Sr doping on the structural, optical and sensing properties. Applied Surface Science, 2016, 379, 23-32.	6.1	23
21	Synthesis of Partially Reduced Graphene Oxide/Silver Nanocomposite and Its Inhibitive Action on Pathogenic Fungi Grown Under Ambient Conditions. ChemistrySelect, 2016, 1, 4235-4245.	1.5	34
22	Sr- and Ni-doping in ZnO nanorods synthesized by a simple wet chemical method as excellent materials for CO and CO₂ gas sensing. RSC Advances, 2016, 6, 82733-82742.	3.6	68
23	Synthesis of Ni-doped ZnO nanostructures by low-temperature wet chemical method and their enhanced field emission properties. RSC Advances, 2016, 6, 104318-104324.	3.6	33
24	Studies on the control of ZnO nanostructures by wet chemical method and plausible mechanism. AIP Advances, 2015, 5, 097118.	1.3	20
25	Enhancement of two photon absorption with Ni doping in the dilute magnetic semiconductor ZnO crystalline nanorods. Applied Physics Letters, 2015, 107, .	3.3	33
26	Controlling of ZnO nanostructures by solute concentration and its effect on growth, structural and optical properties. Materials Research Express, 2015, 2, 105017.	1.6	39
27	Effect of growth temperature on the optical properties of ZnO nanostructures grown by simple hydrothermal method. RSC Advances, 2015, 5, 60365-60372.	3.6	58
28	Soft template mediated synthesis of Biâ€"Inâ€"Znâ€"S and its efficient visible-light-driven decomposition of methylene blue. RSC Advances, 2015, 5, 41941-41948.	3.6	9