

Yogendra Kumar

List of Publications by Year in descending order

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28
papers

910
citations

430874

18
h-index

526287

27
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28
all docs

28
docs citations

28
times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for Origin of Room Temperature Ferromagnetism Properties in Ni-Doped ZnO Nanostructure. ACS Applied Materials & Interfaces, 2017, 9, 7691-7700.	8.0	99
2	Sr- and Ni-doping in ZnO nanorods synthesized by a simple wet chemical method as excellent materials for CO and CO ₂ gas sensing. RSC Advances, 2016, 6, 82733-82742.	3.6	68
3	Shape-controlled CoFe ₂ O ₄ nanoparticles as an excellent material for humidity sensing. RSC Advances, 2017, 7, 55778-55785.	3.6	64
4	Mesoporous nickel cobalt hydroxide/oxide as an excellent room temperature ammonia sensor. Scripta Materialia, 2017, 128, 65-68.	5.2	64
5	Highest coercivity and considerable saturation magnetization of CoFe ₂ O ₄ nanoparticles with tunable band gap prepared by thermal decomposition approach. Journal of Materials Science, 2017, 52, 4840-4851.	3.7	62
6	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
7	Morphology-controlled synthesis and enhanced energy product (BH) _{max} of CoFe ₂ O ₄ nanoparticles. New Journal of Chemistry, 2018, 42, 15793-15802.	2.8	57
8	Impact of different morphologies of CoFe ₂ O ₄ nanoparticles for tuning of structural, optical and magnetic properties. Journal of Alloys and Compounds, 2019, 778, 398-409.	5.5	56
9	Synthesis of Ammonia-Assisted Porous Nickel Ferrite (NiFe ₂ O ₄) Nanostructures as an Electrode Material for Supercapacitors. Journal of Nanoscience and Nanotechnology, 2017, 17, 1387-1392.	0.9	44
10	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
11	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
12	Enhancement of two photon absorption with Ni doping in the dilute magnetic semiconductor ZnO crystalline nanorods. Applied Physics Letters, 2015, 107, .	3.3	33
13	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
14	Controlled Zn _{1-x} Ni _x O nanostructures for an excellent humidity sensor and a plausible sensing mechanism. New Journal of Chemistry, 2018, 42, 8445-8457.	2.8	32
15	Growth of transparent Zn _{1-x} Sr _x O (0.0 ≤ x ≤ 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
16	Structural assessment and irradiation response of La ₂ Zr ₂ O ₇ pyrochlore: Impact of irradiation temperature and ion fluence. Journal of Alloys and Compounds, 2021, 862, 158556.	5.5	23
17	Effect of Cu intercalation on humidity sensing properties of Bi ₂ Se ₃ topological insulator single crystals. Physical Chemistry Chemical Physics, 2018, 20, 28257-28266.	2.8	21
18	Studies on the control of ZnO nanostructures by wet chemical method and plausible mechanism. AIP Advances, 2015, 5, 097118.	1.3	20

#	ARTICLE	IF	CITATIONS
19	Enhancement of field electron emission in topological insulator Bi ₂ Se ₃ by Ni doping. Physical Chemistry Chemical Physics, 2018, 20, 18429-18435.	2.8	17
20	Structural, optical and excellent humidity sensing behaviour of ZnSnO ₃ nanoparticles: effect of annealing. Journal of Materials Science: Materials in Electronics, 2018, 29, 10769-10783.	2.2	15
21	Investigations of atomic disorder and grain growth kinetics in polycrystalline La ₂ Zr ₂ O ₇ . Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	14
22	Atomic order-disorder engineering in the La ₂ Zr ₂ O ₇ pyrochlore under low energy ion irradiation. Ceramics International, 2021, 47, 20248-20259.	4.8	14
23	Soft template mediated synthesis of Bi-In-Zn-S and its efficient visible-light-driven decomposition of methylene blue. RSC Advances, 2015, 5, 41941-41948.	3.6	9
24	Synthesis of humidity sensitive zinc stannate nanomaterials and modelling of Freundlich adsorption isotherm model. AIP Conference Proceedings, 2018, , .	0.4	4
25	Electronic excitation induced phase transformation in Gd ₂ Zr ₂ O ₇ pyrochlore for extreme condition applications. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	3
26	Temperature dependent I-V characteristics of Ni doped topological insulator Bi ₂ Se ₃ nanoparticles. AIP Conference Proceedings, 2019, , .	0.4	2
27	Synthesis and humidity sensing behaviour of Cu-intercalated Bi ₂ Se ₃ topological insulator single crystals. AIP Conference Proceedings, 2019, , .	0.4	2
28	Engineering the optical and magnetic properties of Zn doped CoFe ₂ O ₄ nanoparticles. AIP Conference Proceedings, 2020, , .	0.4	0