

B N Dole

List of Publications by Year in descending order

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44
papers

2,065
citations

567281

15
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345221

36
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45
all docs

45
docs citations

45
times ranked

2725
citing authors

#	ARTICLE	IF	CITATIONS
1	Williamson-Hall analysis in estimation of lattice strain in nanometer-sized ZnO particles. Journal of Theoretical and Applied Physics, 2012, 6, 1.	1.4	1,431
2	Structural, morphological, physical and dielectric properties of Mn doped ZnO nanocrystals synthesized by sol-gel method. Materials and Design, 2016, 96, 99-105.	7.0	98
3	Structural studies of Mn doped ZnO nanoparticles. Current Applied Physics, 2011, 11, 762-766.	2.4	78
4	Structural, morphological and optical properties of Mn doped ZnS nanocrystals. Ceramica, 2013, 59, 614-619.	0.8	47
5	A study on the synthesis, longitudinal optical phonon-plasmon coupling and electronic structure of Al doped ZnS nanorods. RSC Advances, 2017, 7, 12382-12390.	3.6	42
6	Structural and morphological studies on Mn substituted ZnO nanometer-sized crystals. Crystal Research and Technology, 2011, 46, 705-710.	1.3	37
7	Modified structural, surface morphological and optical studies of Li ³⁺ swift heavy ion irradiation on zinc oxide nanoparticles. RSC Advances, 2016, 6, 49068-49075.	3.6	34
8	Effect of doping on structural, physical, morphological and optical properties of Zn ¹⁺ Mn O nano-particles. Ceramics International, 2015, 41, 15153-15161.	4.8	28
9	One step synthesis of vertically grown Mn-doped ZnO nanorods for photocatalytic application. Journal of Materials Science: Materials in Electronics, 2019, 30, 10886-10899.	2.2	28
10	Exploring the role of defects on diverse properties of Cr-substituted ZnS nanostructures for photocatalytic applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	26
11	Structural, morphological and optical properties of Mn doped ZnS nanocrystals. Ceramica, 2013, 59, 395-400.	0.8	25
12	A study of the 160 MeV Ni ⁷⁺ swift heavy ion irradiation effect of defect creation and shifting of the phonon modes on Mn _x Zn _{1-x} O thin films. RSC Advances, 2017, 7, 34736-34745.	3.6	23
13	Development of oxygen vacancies and surface defects in Mn-doped ZnO nanoflowers for enhancing visible light photocatalytic activity. SN Applied Sciences, 2020, 2, 1.	2.9	20
14	A study on the synthesis, pair distribution function and diverse properties of cobalt doped ZnS nanowires. CrystEngComm, 2016, 18, 1439-1445.	2.6	18
15	Crystallographic and optical studies on Cr doped ZnS nanocrystals. Ceramica, 2014, 60, 425-428.	0.8	17
16	Doping effect on the local structure of metamagnetic Co doped Ni/NiO:GO core-shell nanoparticles using X-ray absorption spectroscopy and the pair distribution function. Physical Chemistry Chemical Physics, 2019, 21, 1294-1307.	2.8	15
17	A study of nanostructured ZnS polymorphs by synchrotron X-ray diffraction and atomic pair distribution function. RSC Advances, 2016, 6, 50479-50486.	3.6	13
18	Local structural studies on Co doped ZnS nanowires by synchrotron X-ray atomic pair distribution function and micro-Raman shift. RSC Advances, 2017, 7, 37402-37411.	3.6	11

#	ARTICLE	IF	CITATIONS
19	Photocatalytic performance of graphene-based Cr-substituted \hat{I}^2 ZnS nanocomposites. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	11
20	Structural, optical and antibacterial properties of yttriumdoped ZnO nanoparticles. Ceramica, 2015, 61, 457-461.	0.8	9
21	Effect of substitution of Ce on superconducting properties of $\text{Bi}_{1.7}\text{Pb}_{0.3}\text{Sr}_2\text{Ca}_{2-x}\text{Ce}_x\text{Cu}_3\text{O}_{10+\hat{I}}$ system. Pramana - Journal of Physics, 2002, 58, 871-875.	1.8	6
22	Synthesis and different property of yttrium doped ZnS nanoparticles. AIP Conference Proceedings, 2016, , .	0.4	6
23	Synthesis and Characterization of Chromium Doped Zinc Sulfide Nanoparticles. Open Access Library Journal (oalib), 2015, 02, 1-8.	0.2	6
24	Inferring the physical properties of La-substituted ZnO nanorods and nanoflowers for the photodegradation of Congo red azo dye. Journal of Materials Science: Materials in Electronics, 2022, 33, 8880-8892.	2.2	6
25	Formation of defect, oxygen vacancy creation, and shifting of phonon mode by Li^{3+} swift heavy ion irradiation on $\text{Zn}_{1-x}\text{Mn}_x\text{O}$ thin films. Journal of Solid State Electrochemistry, 2018, 22, 1237-1248.	2.5	5
26	Synthesis and characterization of Mn doped ZnS nanometer-sized particles. AIP Conference Proceedings, 2012, , .	0.4	4
27	Synthesis, local structure and optical property studies of \hat{I}^{\pm} -SnS microrods by synchrotron X-ray pair distribution function and micro-Raman shift. RSC Advances, 2020, 10, 21277-21282.	3.6	4
28	Effect of silver doping on ZnO nanocrystals. AIP Conference Proceedings, 2016, , .	0.4	3
29	SYNTHESIS AND CHARACTERIZATION OF Mn SUBSTITUTED ZnO NANOPARTICLES. International Journal of Nanoscience, 2013, 12, 1350004.	0.7	2
30	Crystallographic, FTIR and optical property studies on Co doped ZnS nanometer-sized crystals. , 2013, , .		2
31	SHI irradiation effect on pure and Mn doped ZnO thin films. AIP Conference Proceedings, 2017, , .	0.4	2
32	Scientific Exchange with the Soviets. Science, 1978, 202, 260-260.	12.6	1
33	Prospective payment. , 1985, , .		1
34	ELASTIC BEHAVIOR OF Pr SUBSTITUTED Y-123 SUPERCONDUCTING MATERIALS. Modern Physics Letters B, 2006, 20, 843-847.	1.9	1
35	Synthesis and characterization of Pr substituted Gd-123 high-Tc superconductors. Ceramica, 2012, 58, 381-387.	0.8	1
36	Role of Pr in Eu-123 high Tc nanometer-sized superconductors. Ceramics International, 2013, 39, 7317-7321.	4.8	1

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37	Effect of PEG on Structural and Magnetic Properties of Mn Doped ZnO Nanocrystals. Advanced Materials Research, 2013, 678, 234-238.	0.3	1
38	Structural and surface morphological study of Ni doped ZnS nanoparticles. , 2014, , .		1
39	Substitutional effect of Ni on different properties of ZnO nanocrystals. AIP Conference Proceedings, 2015, , .	0.4	1
40	Effect of temperature on the structural properties of Mn substituted ZnO nanoparticles. , 2011, , .		0
41	The Crystallographic Study of Pr Substituted Eu-123 High T _c Cuprate Superconductors. , 2011, , .		0
42	Synthesis and Crystallographic Study of Co Doped ZnO Nano-Sized Powders by Co-Precipitation Method. Advanced Materials Research, 0, 678, 113-117.	0.3	0
43	Crystallographic & Electrical Properties of Pr Substituted Gd-123 Nanometre Sized High Temperature Superconductors. Advanced Materials Research, 0, 678, 172-176.	0.3	0
44	Preparation and study of Ni ²⁺ swift heavy ions irradiation on Mn doped ZnO thin films. AIP Conference Proceedings, 2018, , .	0.4	0