

Rajesh Kumar

List of Publications by Year in descending order

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37
papers

3,637
citations

567144

15
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526166

27
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38
all docs

38
docs citations

38
times ranked

6481
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant, antimicrobial, and photocatalytic activity of green synthesized ZnO-NPs from Myrica esculenta fruits extract. Inorganic Chemistry Communication, 2022, 141, 109518.	1.8	32
2	Influence of applied magnetic field and heating on properties of cobalt ferrite films. Journal of Materials Science: Materials in Electronics, 2021, 32, 5594-5601.	1.1	0
3	Thickness Dependent Morphological, Structural, and Magnetic Studies of Nickel Ferrite Films. Lecture Notes in Mechanical Engineering, 2021, , 157-164.	0.3	0
4	Effect of reaction time on the morphological, compositional, and optical properties of nickel ferrite films. AIP Conference Proceedings, 2021, , .	0.3	0
5	Structural, optical and magnetic characterization of Ni ²⁺ ions doped chromium oxide (Cr ₂ O ₃) nanoparticles. Solid State Sciences, 2021, 115, 106581.	1.5	15
6	Evolution of a facile and novel general strategy for fabricating single and mixed 3d-block transition metal hydroxide/oxide films for innumerable applications. Materials Chemistry and Physics, 2021, 266, 124534.	2.0	0
7	Tuning of structural, magnetic and optical properties of NiFe ₂ O ₄ films by implementing high magnetic fields. Thin Solid Films, 2020, 712, 138321.	0.8	6
8	Magnetic field and temperature-dependent studies of structural and magnetic properties of NiFe ₂ O ₄ films. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	12
9	Visible and UV photo-detection in ZnO nanostructured thin films via simple tuning of solution method. Scientific Reports, 2017, 7, 15032.	1.6	265
10	Formation of iron-oxide nanorods on the surface of silicon by using annealing technique. Journal of the Korean Physical Society, 2016, 69, 1771-1775.	0.3	0
11	Formation of oxygen vacancies and Ti ³⁺ state in TiO ₂ thin film and enhanced optical properties by air plasma treatment. Scientific Reports, 2016, 6, 32355.	1.6	929
12	Low-cost magnetic adsorbent for As(III) removal from water: adsorption kinetics and isotherms. Environmental Monitoring and Assessment, 2016, 188, 60.	1.3	19
13	Magnetite nanoparticles coated sand for arsenic removal from drinking water. Environmental Earth Sciences, 2016, 75, 1.	1.3	27
14	Superhydrophilic TiO ₂ thin film by nanometer scale surface roughness and dangling bonds. Applied Surface Science, 2016, 364, 51-60.	3.1	87
15	Fast digital image encryption based on compressive sensing using structurally random matrices and Arnold transform technique. Optik, 2016, 127, 2282-2286.	1.4	34
16	Magnetite nanoparticles coated glass wool for As(V) removal from drinking water. AIP Conference Proceedings, 2015, , .	0.3	0
17	XRD analysis of undoped and Fe doped TiO ₂ nanoparticles by Williamson Hall method. AIP Conference Proceedings, 2015, , .	0.3	14
18	Controlling band gap and refractive index in dopant-free $\hat{\pm}$ -Fe ₂ O ₃ films. Electronic Materials Letters, 2015, 11, 13-23.	1.0	21

#	ARTICLE	IF	CITATIONS
19	Effect of Fe doping concentration on photocatalytic activity of ZnO nanosheets under natural sunlight. AIP Conference Proceedings, 2015, , .	0.3	1
20	Magnetic field induced one-dimensional nano/micro structures growth on the surface of iron oxide thin film. Thin Solid Films, 2015, 592, 155-161.	0.8	9
21	Effect of synthesis medium on aggregation tendencies of ZnO nanosheets and their superior photocatalytic performance. Journal of Materials Science, 2015, 50, 819-832.	1.7	12
22	Synthesis of phase pure iron oxide polymorphs thin films and their enhanced magnetic properties. Journal of Materials Science: Materials in Electronics, 2014, 25, 4553-4561.	1.1	55
23	Implementing compressive fractional Fourier transformation with iterative kernel steering regression in double random phase encoding. Optik, 2014, 125, 5414-5417.	1.4	16
24	Magnetic polymer nanocomposites for environmental and biomedical applications. Colloid and Polymer Science, 2014, 292, 2025-2052.	1.0	228
25	A novel method for controlled synthesis of nanosized hematite (γ -Fe ₂ O ₃) thin film on liquid-vapor interface. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	18
26	Surface modification of inorganic nanoparticles for development of organic-inorganic nanocomposites-A review. Progress in Polymer Science, 2013, 38, 1232-1261.	11.8	1,760
27	Enhancing the numerical aperture of lenses using ZnO nanostructure-based turbid media. Journal of Optics (United Kingdom), 2013, 15, 125714.	1.0	3
28	Structural and optical properties of γ -Fe ₂ O ₃ film prepared by chemical method. , 2013, , .		0
29	Magnetic Thin Film Formation On The Surface Of Solution Induced Via island Growth Of Nanoparticles. Advanced Materials Letters, 2013, 4, 74-77.	0.3	0
30	Facile Synthesis and Electrical Conductivity of Carbon Nanotube Reinforced Nanosilver Composite. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 679-684.	0.7	12
31	Controlling metal nanotoppings on the tip of silicide nanostructures. Nanotechnology, 2009, 20, 245605.	1.3	4
32	Preparation and characterization of γ -Fe ₂ O ₃ polyhedral nanocrystals via annealing technique. Materials Letters, 2009, 63, 1047-1050.	1.3	15
33	Carbon nanotube growth at the tip of SiO ₂ nanocone. Materials Science and Engineering C, 2009, 29, 2384-2387.	3.8	1
34	Structures, energetics, vibrational spectra of NH ₄ ⁺ (H ₂ O) _{n=4,6} clusters: Ab initio calculations and first principles molecular dynamics simulations. Journal of Chemical Physics, 2008, 128, 244304.	1.2	29
35	Effect of DC glow discharge treatment on the surface energy and surface resistivity of thin film of polypropylene. Journal of Applied Polymer Science, 2007, 104, 767-772.	1.3	11
36	Synthesis of Magnetic Thin Films on Glass Substrates Using NH ₃ Vapors. Materials Science Forum, 0, 710, 762-767.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Photoinduced charge separation at Zn-Pd/TiO ₂ hybrids interface for enhanced electrochemical and photocatalytic activity. Journal Physics D: Applied Physics, 0, , .	1.3	2