

Devi Radhika

List of Publications by Year in descending order

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25
papers

773
citations

687363

13
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

711
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured metal oxides and its hybrids for photocatalytic and biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2020, 281, 102178.	14.7	202
2	Structural studies of bio-mediated NiO nanoparticles for photocatalytic and antibacterial activities. <i>Inorganic Chemistry Communication</i> , 2020, 113, 107755.	3.9	80
3	Facile fabrication of CuO nanoparticles via microwave-assisted method: photocatalytic, antimicrobial and anticancer enhancing performance. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 1095-1108.	3.3	69
4	Photocatalytic, antibacterial and electrochemical properties of novel rare earth metal oxides-based nanohybrids. <i>Materials Science for Energy Technologies</i> , 2020, 3, 853-861.	1.8	61
5	Photocatalytic and antimicrobial properties of microwave synthesized mixed metal oxide nanocomposite. <i>Inorganic Chemistry Communication</i> , 2021, 125, 108429.	3.9	54
6	Facile microwave-assisted synthesis of metal oxide CdO-CuO nanocomposite: Photocatalytic and antimicrobial enhancing properties. <i>Optik</i> , 2020, 218, 165112.	2.9	45
7	Facile synthesis of NiO-CYSO nanocomposite for photocatalytic and antibacterial applications. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108307.	3.9	39
8	Facile fabrication of novel ceria-based nanocomposite (CYO-CSO) via co-precipitation: Electrochemical, photocatalytic and antibacterial performances. <i>Journal of Molecular Structure</i> , 2022, 1256, 132519.	3.6	30
9	Y ³⁺ and Sm ³⁺ co-doped mixed metal oxide nanocomposite: Structural, electrochemical, photocatalytic, and antibacterial properties. <i>Applied Surface Science Advances</i> , 2021, 4, 100085.	6.8	29
10	The influence of Î²-cyclodextrin encapsulation on the binding of 2â€²-hydroxyflavanone with calf thymus DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 405-412.	3.9	28
11	Preparation, characterization and antimicrobial activity of betel-leaf-extract-doped polysaccharide blend films. <i>Green Materials</i> , 2021, 9, 49-68.	2.1	23
12	Low-temperature preparation and physical characterization of doped BaCeO ₃ nanoparticles by chemical precipitation. <i>International Journal of Industrial Chemistry</i> , 2013, 4, 1.	3.1	14
13	Materials and Components for Low Temperature Solid Oxide Fuel Cells â€œ an Overview. <i>International Journal of Renewable Energy Development</i> , 2013, 2, 87-95.	2.4	13
14	Bioengineered metal and metal oxide nanoparticles for photocatalytic and biological applications: A review. <i>Physics and Chemistry of Solid State</i> , 2020, 21, 571-583.	0.8	13
15	Facile low-temperature synthesis and application of La _{0.85} Sr _{0.15} Co _{0.85} Fe _{0.15} O _{3-Î´} as superior cathode for LT-SOFCs using C-TAB as surfactant. <i>Materials Research Innovations</i> , 2020, 24, 395-401.	2.3	11
16	Cost-effective method of Co-doped rare-earth-based ceria (Y-CGO) nanocomposite as electrolyte for LT-SOFCs using C-TAB as surfactant. <i>Materials Research Innovations</i> , 2020, 24, 414-421.	2.3	11
17	A simple chemical precipitation of ceria based (Sm doped-CGO) nanocomposite: structural and electrolytic behaviour for LT-SOFCs. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	10
18	Functionalization and partial grafting of the reduced graphene oxide with p-phenylenediamine: An adsorption and photodegradation studies. <i>FlatChem</i> , 2021, 26, 100210.	5.6	10

#	ARTICLE	IF	CITATIONS
19	Microbial Electrolysis Cell as a Diverse Technology: Overview of Prospective Applications, Advancements, and Challenges. <i>Energies</i> , 2022, 15, 2611.	3.1	9
20	Structural and functional properties of rare earth-based (NiO-CCO) nanocomposite produced by effective multiple doping approach via co-precipitation. <i>Materials Technology</i> , 2021, 36, 296-307.	3.0	8
21	Structural, morphological and optical studies of sol-gel engineered Sm ³⁺ activated ZnO thin films for photocatalytic applications. <i>Physics and Chemistry of Solid State</i> , 2020, 21, 433-439.	0.8	5
22	Solvothermal/Hydrothermal Manufacturing of Carbon Nanotubes for Hydrogen storage: A Comparative Study. <i>Physics and Chemistry of Solid State</i> , 2020, 21, 700-706.	0.8	5
23	Review of photocatalytic and antimicrobial properties of metal oxide nanoparticles. <i>Physics and Chemistry of Solid State</i> , 2021, 22, 5-15.	0.8	2
24	Two-dimensional based hybrid materials for photocatalytic conversion of carbon dioxide into hydrocarbon fuels: A mini review. <i>Physics and Chemistry of Solid State</i> , 2021, 22, 132-140.	0.8	1
25	Manufacturing and Processing of Carbon Nanotubes for H ₂ Storage. <i>Physics and Chemistry of Solid State</i> , 2021, 22, 209-216.	0.8	1