

Devi Radhika

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1794801/publications.pdf>

Version: 2024-02-01

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	Facile fabrication of CuO nanoparticles via microwave-assisted method: photocatalytic, antimicrobial and anticancer enhancing performance. International Journal of Environmental Analytical Chemistry, 2022, 102, 1095-1108.	3.3	69
2	Facile fabrication of novel ceria-based nanocomposite (CYO-CSO) via co-precipitation: Electrochemical, photocatalytic and antibacterial performances. Journal of Molecular Structure, 2022, 1256, 132519.	3.6	30
3	Microbial Electrolysis Cell as a Diverse Technology: Overview of Prospective Applications, Advancements, and Challenges. Energies, 2022, 15, 2611.	3.1	9
4	Structural and functional properties of rare earth-based (NiO-CGO) nanocomposite produced by effective multiple doping approach via co-precipitation. Materials Technology, 2021, 36, 296-307.	3.0	8
5	Functionalization and partial grafting of the reduced graphene oxide with p-phenylenediamine: An adsorption and photodegradation studies. FlatChem, 2021, 26, 100210.	5.6	10
6	Preparation, characterization and antimicrobial activity of betel-leaf-extract-doped polysaccharide blend films. Green Materials, 2021, 9, 49-68.	2.1	23
7	Review of photocatalytic and antimicrobial properties of metal oxide nanoparticles. Physics and Chemistry of Solid State, 2021, 22, 5-15.	0.8	2
8	Photocatalytic and antimicrobial properties of microwave synthesized mixed metal oxide nanocomposite. Inorganic Chemistry Communication, 2021, 125, 108429.	3.9	54
9	Two-dimensional based hybrid materials for photocatalytic conversion of carbon dioxide into hydrocarbon fuels: A mini review. Physics and Chemistry of Solid State, 2021, 22, 132-140.	0.8	1
10	Manufacturing and Processing of Carbon Nanotubes for H ₂ Storage. Physics and Chemistry of Solid State, 2021, 22, 209-216.	0.8	1
11	Y ³⁺ and Sm ³⁺ co-doped mixed metal oxide nanocomposite: Structural, electrochemical, photocatalytic, and antibacterial properties. Applied Surface Science Advances, 2021, 4, 100085.	6.8	29
12	Facile low-temperature synthesis and application of La _{0.85} Sr _{0.15} Co _{0.85} Fe _{0.15} O _{3-δ} as superior cathode for LT-SOFCs using C-TAB as surfactant. Materials Research Innovations, 2020, 24, 395-401.	2.3	11
13	Cost-effective method of Co-doped rare-earth-based ceria (Y-CGO) nanocomposite as electrolyte for LT-SOFCs using C-TAB as surfactant. Materials Research Innovations, 2020, 24, 414-421.	2.3	11
14	Facile synthesis of NiO-CYSO nanocomposite for photocatalytic and antibacterial applications. Inorganic Chemistry Communication, 2020, 122, 108307.	3.9	39
15	Photocatalytic, antibacterial and electrochemical properties of novel rare earth metal oxides-based nanohybrids. Materials Science for Energy Technologies, 2020, 3, 853-861.	1.8	61
16	Facile microwave-assisted synthesis of metal oxide CdO-CuO nanocomposite: Photocatalytic and antimicrobial enhancing properties. Optik, 2020, 218, 165112.	2.9	45
17	A simple chemical precipitation of ceria based (Sm doped-CGO) nanocomposite: structural and electrolytic behaviour for LT-SOFCs. SN Applied Sciences, 2020, 2, 1.	2.9	10
18	Structural studies of bio-mediated NiO nanoparticles for photocatalytic and antibacterial activities. Inorganic Chemistry Communication, 2020, 113, 107755.	3.9	80

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
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	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
24	Materials and Components for Low Temperature Solid Oxide Fuel Cells – an Overview. <i>International Journal of Renewable Energy Development</i> , 2013, 2, 87-95.	2.4	13
25	The influence of β -cyclodextrin encapsulation on the binding of 2-hydroxyflavanone with calf thymus DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 405-412.	3.9	28