

Gaurav Mahadev Lohar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

435
citations

14
h-index

18
g-index

46
ext. papers

556
ext. citations

3.1
avg, IF

4.05
L-index

#	Paper	IF	Citations
41	High stability Mn ₂ O ₃ /MnCO ₃ microcubes synthesized by hydrothermal method for supercapacitor application. <i>Materials Science in Semiconductor Processing</i> , 2022 , 143, 106550	4.3	1
40	STRUCTURAL AND ELECTROCHEMICAL PROPERTIES OF CHEMICALLY DEPOSITED COPPER DOPED NICKEL HYDROXIDE 2021 , 90-91		
39	Electrochemical behavior of CuO/rGO nanopellets for flexible supercapacitor, non-enzymatic glucose, and H ₂ O ₂ sensing application. <i>Ceramics International</i> , 2021 , 47, 16674-16687	5.1	11
38	Facile synthesis of CuO nanostructures for non-enzymatic glucose sensor by modified SILAR method. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	7
37	Chemically synthesized CuO nanostructures for non-enzymatic glucose sensor: effect of deposition time. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 8819-8828	2.1	1
36	Hydrothermally synthesized Co ₃ O ₄ microflakes for supercapacitor and non-enzymatic glucose sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 20742-20754	2.1	7
35	Hydrothermally synthesized urchinlike NiO nanostructures for supercapacitor and nonenzymatic glucose biosensing application. <i>Materials Science in Semiconductor Processing</i> , 2021 , 134, 105980	4.3	7
34	Review on recent progress in hydrothermally synthesized MCo ₂ O ₄ /rGO composite for energy storage devices. <i>Chemical Engineering Journal</i> , 2021 , 426, 131544	14.7	7
33	STUDY OF STRUCTURAL AND ELECTROCHEMICAL PROPERTIES OF 3-D MICROFLOWER-LIKE NICKEL HYDROXIDE 2021 , 17-18		
32	Performance of chemically synthesized MnO/rGO nanocomposite for electrochemical supercapacitor: a cost-effective high-performance electrode. <i>Nanotechnology</i> , 2020 , 31, 415403	3.4	13
31	Modification in porous MnO ₂ /PANI composite using high-energy electron irradiation for electrochemical supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11741-11747	2.1	7
30	Preparation of natural dyes from salvia and spathodea for TiO ₂ -based dye-sensitized solar cells (DSSCs) and their electrochemical impedance spectroscopic study under light and dark conditions. <i>Bulletin of Materials Science</i> , 2020 , 43, 1	1.7	3
29	Energy band investigation and role of Fe content in Zn _{1-x} Fe _x Se based nanomaterials for photoelectrochemical cell application. <i>Ceramics International</i> , 2019 , 45, 14457-14463	5.1	2
28	Development of Porous Manganese Oxide/Polyaniline Composite Using Electrochemical Route for Electrochemical Supercapacitor. <i>Journal of Electronic Materials</i> , 2019 , 48, 2449-2455	1.9	11
27	TiO ₂ /reduced graphene oxide composite based nano-petals for supercapacitor application: effect of substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 10814-10824	2.1	16
26	Effect of Electrodeposition Potential on Surface Free Energy and Supercapacitance of MnO ₂ Thin Films. <i>Journal of Electronic Materials</i> , 2018 , 47, 2731-2738	1.9	16
25	Electrochemically synthesized 1D and 3D hybrid Fe ³⁺ doped ZnSe dandelions for photoelectrochemical cell application. <i>Optik</i> , 2018 , 158, 53-63	2.5	11

24	Supercapacitive properties of CuO thin films using modified SILAR method. <i>Ionics</i> , 2017 , 23, 1259-1266	2.7	23
23	Structural, morphological, optical and photoelectrochemical cell properties of copper oxide using modified SILAR method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 9550-9557	2.1	18
22	Effect of 10 MeV energy of electron irradiation on Fe ²⁺ doped ZnSe nanorods and their modified properties. <i>Ionics</i> , 2016 , 22, 1451-1460	2.7	14
21	Effect of electron irradiation on structural, morphological and photoluminescence properties of ZnS thin films. <i>Ceramics International</i> , 2016 , 42, 10159-10164	5.1	16
20	Electrodeposited nanosphere like Cd x Zn _{1-x} S electrodes for photoelectrochemical cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 5145-5152	2.1	5
19	Synthesis and characterization of superhydrophobic/superoleophilic surface. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 78, 475-481	2.3	23
18	Potentiostatically Deposited MnO ₂ Thin Film for Supercapacitor Application. <i>Materials Focus</i> , 2016 , 5, 258-260		3
17	Galvanostatically Deposited MnO ₂ Thin Film and Their Electrochemical Properties. <i>Materials Focus</i> , 2016 , 5, 577-579		5
16	Electrochemical Synthesis of Ni Doped ZnSe Thin Film for Photoelectrochemical Cell Application. <i>Materials Focus</i> , 2016 , 5, 481-484		4
15	Synthesis and characterization of ZnO thin film by low cost modified SILAR technique. <i>AIMS Materials Science</i> , 2016 , 3, 349-356	1.9	3
14	Photoelectrochemical cell studies of Fe(2+) doped ZnSe nanorods using the potentiostatic mode of electrodeposition. <i>Journal of Colloid and Interface Science</i> , 2015 , 458, 136-46	9.3	35
13	Synthesis, characterization and surface wettability study of polypyrrole films: Effect of applied constant current density. <i>Electronic Materials Letters</i> , 2015 , 11, 266-270	2.9	11
12	Electrosynthesis of nanoflower like-ZnS thin films and its characterizations. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 8563-8567	2.1	2
11	Studies of properties of Fe ²⁺ doped ZnSe nano-needles for photoelectrochemical cell application. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 8904-8914	2.1	19
10	Studies of properties of Fe ³⁺ doped ZnSe nanoparticles and hollow spheres for photoelectrochemical cell application. <i>Journal of Alloys and Compounds</i> , 2015 , 653, 22-31	5.7	17
9	Temperature Dependence of Cationic and Anionic Precursor on Morphological Improvement of CuO Electrodes and Its Consequent Effect on Electrochemical Supercapacitive Properties. <i>Advanced Science Letters</i> , 2015 , 21, 2653-2656	0.1	6
8	Surfactant-Assisted Morphological Modification of Hierarchical CuO Thin Films for Electrochemical Supercapacitors. <i>Advanced Science Letters</i> , 2015 , 21, 2594-2597	0.1	2
7	Structural, photoluminescence and photoelectrochemical properties of electrosynthesized ZnSe spheres. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 1597-1604	2.1	13

6	Optical properties of electrochemically synthesized polypyrrole thin films: the electrolyte effect. <i>Journal of Semiconductors</i> , 2014 , 35, 063001	2-3	4
5	Baking impact of Fe composition on CdSe films for solar cell application. <i>Materials Letters</i> , 2014 , 132, 243-246	3-3	18
4	Structural, optical, photoluminescence, electrochemical, and photoelectrochemical properties of Fe doped ZnSe hexagonal nanorods. <i>Materials Science in Semiconductor Processing</i> , 2014 , 26, 548-554	4-3	25
3	Structural, morphological, optical and photoluminescent properties of spray-deposited ZnSe thin film. <i>Journal of Semiconductors</i> , 2014 , 35, 113001	2-3	22
2	Structural, optical, and photo-electrochemical properties of marygold-like CdSe _{0.6} Te _{0.4} synthesized by electrochemical route. <i>Ceramics International</i> , 2014 , 40, 11519-11524	5-1	24
1	Studies on electrochemically synthesized polypyrrole (Ppy) thin films for supercapacitor application 2013 ,		2