

Raja Sellappan

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.

20
papers

316
citations

10
h-index

17
g-index

22
ext. papers

391
ext. citations

4
avg, IF

3.26
L-index

#	Paper	IF	Citations
20	Phosphorene, antimonene, silicene and siloxene based novel 2D electrode materials for supercapacitors-A brief review. <i>Journal of Energy Storage</i> , 2022 , 48, 104027	7.8	5
19	Thermal decomposition derived nano molybdenum nitride for robust counter electrode in dye-sensitized solar cells. <i>Materials Today Communications</i> , 2021 , 26, 102070	2.5	2
18	Photoelectrochemical behaviour of CuBi ₂ O ₄ @MoS ₂ photocathode for solar water splitting. <i>Materials Chemistry and Physics</i> , 2021 , 261, 124245	4.4	4
17	Synthesis of heterojunction tungsten oxide (WO ₃) and Bismuth vanadate (BiVO ₄) photoanodes by spin coating method for solar water splitting applications. <i>Materials Today: Proceedings</i> , 2021 , 45, 3920-3926	1.4	7
16	Synthesis and analysis of Mo ₂ N as efficient counter electrodes for dye sensitized solar cells. <i>Materials Today: Proceedings</i> , 2021 , 35, 53-56	1.4	2
15	Role of graphene in NiSe ₂ /graphene composites - Synthesis and testing for electrochemical supercapacitors. <i>Diamond and Related Materials</i> , 2020 , 108, 107983	3.5	6
14	Fabrication and Characterization of PANI/Ag Nanocomposites Voltammetric Sensor for Foodborne Bacteria. <i>Nanoscience and Nanotechnology - Asia</i> , 2020 , 10, 51-56	0.7	
13	PANI/TiO nanocomposite-based chemiresistive gas sensor for the detection of bacteria. <i>IET Nanobiotechnology</i> , 2020 , 14, 761-765	2	2
12	Cu based Metal Organic Framework (Cu-MOF) for electrocatalytic hydrogen evolution reaction. <i>Materials Research Express</i> , 2020 , 7, 114001	1.7	21
11	Highly Porous MIL-100(Fe) for the Hydrogen Evolution Reaction (HER) in Acidic and Basic Media. <i>ACS Omega</i> , 2020 , 5, 18941-18949	3.9	23
10	Emission reduction in CI engine using biofuel reformulation strategies through nano additives for atmospheric air quality improvement. <i>Renewable Energy</i> , 2020 , 147, 2295-2308	8.1	19
9	Electrodeposition and Characterization of Polyaniline Films for the Detection of Staphylococcus Aureus Bacteria in Food Products. <i>Sensor Letters</i> , 2017 , 15, 65-70	0.9	3
8	Oxidation of copper nanoparticles in water monitored in situ by localized surface plasmon resonance spectroscopy. <i>RSC Advances</i> , 2014 , 4, 20659	3.7	10
7	Influence of graphene synthesizing techniques on the photocatalytic performance of graphene-TiO ₂ nanocomposites. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 15528-37	3.6	37
6	Effects of plasmon excitation on photocatalytic activity of Ag/TiO ₂ and Au/TiO ₂ nanocomposites. <i>Journal of Catalysis</i> , 2013 , 307, 214-221	7.3	65
5	Tuning light absorption by band gap engineering in ZnCdO as a function of MOVPE-synthesis conditions and annealing. <i>Journal of Crystal Growth</i> , 2011 , 315, 301-304	1.6	20
4	On the mechanism of enhanced photocatalytic activity of composite TiO ₂ /carbon nanofilms. <i>Applied Catalysis B: Environmental</i> , 2011 , 106, 337-342	21.8	22

3	Preparation and characterization of TiO ₂ /carbon composite thin films with enhanced photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2011 , 335, 136-144		23
2	Nanostructures for Enhanced Light Absorption in Solar Energy Devices. <i>International Journal of Photoenergy</i> , 2011 , 2011, 1-11	2.1	19
1	The demonstration of hybrid n-ZnO nanorod/p-polymer heterojunction light emitting diodes on glass substrates. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 807-812	2.6	25