

Raja Sellappan

List of Publications by Year in descending order

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21
papers

510
citations

758635

12
h-index

752256

20
g-index

22
all docs

22
docs citations

22
times ranked

785
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of plasmon excitation on photocatalytic activity of Ag/TiO ₂ and Au/TiO ₂ nanocomposites. Journal of Catalysis, 2013, 307, 214-221.	3.1	77
2	Cu based Metal Organic Framework (Cu-MOF) for electrocatalytic hydrogen evolution reaction. Materials Research Express, 2020, 7, 114001.	0.8	66
3	Highly Porous MIL-100(Fe) for the Hydrogen Evolution Reaction (HER) in Acidic and Basic Media. ACS Omega, 2020, 5, 18941-18949.	1.6	62
4	Influence of graphene synthesizing techniques on the photocatalytic performance of graphene-TiO ₂ nanocomposites. Physical Chemistry Chemical Physics, 2013, 15, 15528-15537.	1.3	43
5	Phosphorene, antimonene, silicene and siloxene based novel 2D electrode materials for supercapacitors-A brief review. Journal of Energy Storage, 2022, 48, 104027.	3.9	35
6	Emission reduction in CI engine using biofuel reformulation strategies through nano additives for atmospheric air quality improvement. Renewable Energy, 2020, 147, 2295-2308.	4.3	33
7	The demonstration of hybrid n-ZnO nanorod/p-polymer heterojunction light emitting diodes on glass substrates. Applied Physics A: Materials Science and Processing, 2009, 95, 807-812.	1.1	27
8	Nanostructures for Enhanced Light Absorption in Solar Energy Devices. International Journal of Photoenergy, 2011, 2011, 1-11.	1.4	26
9	Tuning light absorption by band gap engineering in ZnCdO as a function of MOVPE-synthesis conditions and annealing. Journal of Crystal Growth, 2011, 315, 301-304.	0.7	25
10	On the mechanism of enhanced photocatalytic activity of composite TiO ₂ /carbon nanofilms. Applied Catalysis B: Environmental, 2011, 106, 337-342.	10.8	24
11	Preparation and characterization of TiO ₂ /carbon composite thin films with enhanced photocatalytic activity. Journal of Molecular Catalysis A, 2011, 335, 136-144.	4.8	24
12	Photoelectrochemical behaviour of CuBi ₂ O ₄ @MoS ₂ photocathode for solar water splitting. Materials Chemistry and Physics, 2021, 261, 124245.	2.0	15
13	Oxidation of copper nanoparticles in water monitored in situ by localized surface plasmon resonance spectroscopy. RSC Advances, 2014, 4, 20659.	1.7	12
14	Role of graphene in NiSe ₂ /graphene composites - Synthesis and testing for electrochemical supercapacitors. Diamond and Related Materials, 2020, 108, 107983.	1.8	10
15	Synthesis of heterojunction tungsten oxide (WO ₃) and Bismuth vanadate (BiVO ₄) photoanodes by spin coating method for solar water splitting applications. Materials Today: Proceedings, 2021, 45, 3920-3926.	0.9	9
16	PANI/TiO ₂ nanocomposite based chemiresistive gas sensor for the detection of E. Coli bacteria. IET Nanobiotechnology, 2020, 14, 761-765.	1.9	7
17	Synthesis and analysis of Mo ₂ N as efficient counter electrodes for dye sensitized solar cells. Materials Today: Proceedings, 2021, 35, 53-56.	0.9	4
18	Thermal decomposition derived nano molybdenum nitride for robust counter electrode in dye-sensitized solar cells. Materials Today Communications, 2021, 26, 102070.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Electrodeposition and Characterization of Polyaniline Films for the Detection of Staphylococcus Aureus Bacteria in Food Products. Sensor Letters, 2017, 15, 65-70.	0.4	3
20	Synthesis of dip coated bismuth vanadium oxide (BiVO ₄) with iron oxyhydroxides (FeOOH) for photoelectrochemical water splitting applications. International Journal of Nanotechnology, 2021, 18, 374.	0.1	1
21	Fabrication and Characterization of PANI/Ag Nanocomposites Voltammetric Sensor for Foodborne Bacteria. Nanoscience and Nanotechnology - Asia, 2020, 10, 51-56.	0.3	0