

Prabhu Saravanan

List of Publications by Year in descending order

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19
papers

525
citations

840119

11
h-index

996533

15
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19
all docs

19
docs citations

19
times ranked

826
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of WO ₃ with reduced particle size on zeolite and enhanced photocatalytic activity. RSC Advances, 2014, 4, 21221-21229.	1.7	74
2	Superhydrophilic and self-cleaning rGO-TiO ₂ composite coatings for indoor and outdoor photovoltaic applications. Solar Energy Materials and Solar Cells, 2017, 169, 304-312.	3.0	64
3	Tailoring the properties of g-C ₃ N ₄ with CuO for enhanced photoelectrocatalytic CO ₂ reduction to methanol. Journal of CO ₂ Utilization, 2020, 40, 101222.	3.3	55
4	Colorimetric and fluorescent sensing of multi metal ions and anions by salicylaldehyde based receptors. Journal of Luminescence, 2012, 132, 979-986.	1.5	54
5	Charge transfer and intrinsic electronic properties of rGO-WO ₃ nanostructures for efficient photoelectrochemical and photocatalytic applications. Materials Science in Semiconductor Processing, 2018, 74, 136-146.	1.9	47
6	Photoelectrochemical and photocatalytic activity of TiO ₂ -WO ₃ heterostructures boosted by mutual interaction. Materials Science in Semiconductor Processing, 2018, 88, 10-19.	1.9	45
7	Synthesis, Surface Acidity and Photocatalytic Activity of WO ₃ /TiO ₂ Nanocomposites – An Overview. Materials Science Forum, 0, 781, 63-78.	0.3	29
8	Chitosan Based Nanocomposite Materials as Photocatalyst – A Review. Materials Science Forum, 0, 781, 79-94.	0.3	26
9	Green synthesis of rGO-WO ₃ composite and its efficient photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2017, 42, 29791-29796.	3.8	24
10	Photoelectrochemical, photocatalytic and photochromic performance of rGO-TiO ₂ WO ₃ composites. Materials Chemistry and Physics, 2019, 224, 217-228.	2.0	22
11	Visible Light Photocatalytic Activity of CeO ₂ -ZnO-TiO ₂ Composites for the Degradation of Rhodamine B. Indian Journal of Materials Science, 2014, 2014, 1-10.	0.6	20
12	Solar, visible and UV light photocatalytic activity of CoWO ₄ for the decolourization of methyl orange. Desalination and Water Treatment, 2015, 54, 3134-3145.	1.0	20
13	CuO-PANI nanostructure with tunable spectral selectivity for solar selective coating application. Applied Surface Science, 2016, 378, 245-252.	3.1	19
14	Photocatalytic dye degradation properties of wafer level GaN nanowires by catalytic and self-catalytic approach using chemical vapor deposition. RSC Advances, 2014, 4, 25569-25575.	1.7	7
15	Mono- and bi-cyanoacrylic acid substituted phenothiazine based sensitizers for dye sensitized solar cells. Optik, 2020, 208, 164046.	1.4	7
16	Glycine functionalized alumina nanoparticles stabilize collagen in ethanol medium. Bulletin of Materials Science, 2016, 39, 223-228.	0.8	4
17	An overview of water electrolysis technologies for the production of hydrogen. , 2020, , 161-190.		4
18	A Combined Experimental and Theoretical Investigation of Perylene Based Dyes as Sensitizer for Dye-Sensitized Solar Cell. Russian Journal of Physical Chemistry B, 2021, 15, S92-S101.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Photocatalytic degradation of Rhodamine B by metal oxide nanocomposites. Proceedings of SPIE, 2015, , ·	0.8	0