

Prasanth Ravindran

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.

16
papers

623
citations

9
h-index

19
g-index

19
ext. papers

737
ext. citations

4.9
avg. IF

4.38
L-index

#	Paper	IF	Citations
16	Photocorrosion-less stable heterojunction photoanode for efficient visible-light driven solar hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 12515-12527	6.7	1
15	Engineering electrode/electrolyte interfacial properties of nanotube arrays for high-capacitance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 11119-11128	2.1	0
14	Approaches to design a surface with tunable wettability: a review on surface properties. <i>Journal of Materials Science</i> , 2021 , 56, 108-135	4.3	22
13	Efficiency enhancement in a stoichiometrically stable CdS/TiO ₂ nanotube heterostructure electrode for sunlight-driven hydrogen generation. <i>New Journal of Chemistry</i> , 2021 , 45, 12838-12847	3.6	1
12	TiO ₂ -based devices for energy-related applications 2021 , 241-265		0
11	Significance of Chemical Engineering in Surface Wettability Tuning and Its Boiling Hydrodynamics: A Boiling Heat Transfer Study. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4210-4218	3.9	6
10	Recent trends in fabrication of nepenthes inspired SLIPs: Design strategies for self-healing efficient anti-icing surfaces. <i>Surfaces and Interfaces</i> , 2020 , 21, 100678	4.1	11
9	Enhanced boiling heat transfer by nano structured surfaces and nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 4028-4043	16.2	49
8	Review Advent of TiO ₂ Nanotubes as Supercapacitor Electrode. <i>Journal of the Electrochemical Society</i> , 2018 , 165, E345-E358	3.9	30
7	Fabrication of zero contact angle ultra-super hydrophilic surfaces. <i>Journal of Colloid and Interface Science</i> , 2017 , 496, 300-310	9.3	33
6	The effect of solvent dependent local field factor in the optical properties of CdTe quantum dots. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 3168-3174	2.1	2
5	Comparative analysis of developed incremental conductance (IC) and perturb & observe (P&O) MPPT algorithm for photovoltaic applications 2016 ,		11
4	Enhancement of electrochemical capacitance by tailoring the geometry of TiO ₂ nanotube electrodes. <i>Electrochimica Acta</i> , 2015 , 176, 1214-1220	6.7	19
3	Transverse Tuning of TiO ₂ Nanotube Array by Controlling the Electrochemical Charge Transfer Resistance with Potassium Carbonate and Sodium Carbonate Composition in Ammonium Fluoride Electrolyte. <i>Journal of the Electrochemical Society</i> , 2015 , 162, E23-E29	3.9	9
2	Molecular-receptor-specific, non-toxic, near-infrared-emitting Au cluster-protein nanoconjugates for targeted cancer imaging. <i>Nanotechnology</i> , 2010 , 21, 055103	3.4	258
1	Exciton polaritons confined in a ZnO nanowire cavity. <i>Physical Review Letters</i> , 2006 , 97, 147401	7.4	171