

# Prasanth Ravindran

## List of Publications by Citations

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