

# Prasanth Ravindran

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

864  
citations

1039880

9  
h-index

996849

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular-receptor-specific, non-toxic, near-infrared-emitting Au cluster-protein nanoconjugates for targeted cancer imaging. <i>Nanotechnology</i> , 2010, 21, 055103.	1.3	291
2	Exciton Polaritons Confined in a ZnO Nanowire Cavity. <i>Physical Review Letters</i> , 2006, 97, 147401.	2.9	186
3	Approaches to design a surface with tunable wettability: a review on surface properties. <i>Journal of Materials Science</i> , 2021, 56, 108-135.	1.7	83
4	Enhanced boiling heat transfer by nano structured surfaces and nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 4028-4043.	8.2	72
5	Reviewâ€”Advent of TiO <sub>2</sub> Nanotubes as Supercapacitor Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, E345-E358.	1.3	65
6	Fabrication of zero contact angle ultra-super hydrophilic surfaces. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 300-310.	5.0	52
7	Comparative analysis of developed incremental conductance (IC) and perturb & observe (P&O) MPPT algorithm for photovoltaic applications. , 2016, , .		27
8	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.	1.5	26
9	Enhancement of electrochemical capacitance by tailoring the geometry of TiO <sub>2</sub> nanotube electrodes. <i>Electrochimica Acta</i> , 2015, 176, 1214-1220.	2.6	24
10	Significance of Chemical Engineering in Surface Wettability Tuning and Its Boiling Hydrodynamics: A Boiling Heat Transfer Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 4210-4218.	1.8	10
11	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> , 2015, 162, E23-E29.	1.3	9
12	Photocorrosion-less stable heterojunction photoanode for efficient visible-light driven solar hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 12515-12527.	3.8	6
13	TiO <sub>2</sub> -based devices for energy-related applications. , 2021, , 241-265.		4
14	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.	1.1	3
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.	1.1	2
16	Investigation of size and barrier dependent efficiency in InAs quantum dot solar cells. <i>Materials Today: Proceedings</i> , 2023, 80, 2602-2609.	0.9	2
17	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> , 2021, 45, 12838-12847.	1.4	1
18	Electrochemical Fabrication of ZnO nanorod solar cells and The effect of dye loading in photocurrent. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Fabrication Of Cost Effective Pt And FTO-Free Counter Electrode For ZnO Based Dye Sensitized Solar Cell Using Thermally Decomposed Cu <sub>2</sub> ZnSnS <sub>4</sub> Nanoparticles. Advanced Materials Letters, 2016, 7, 861-865.	0.3	0