

# Kiran Kuruvinashetti

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

278  
citations

1163117

8  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold Nanoparticle Interaction in Algae Enhancing Quantum Efficiency and Power Generation in Microphotosynthetic Power Cells. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, 2100135.	5.8	8
2	Linker-Modulated Peroxide Electrosynthesis Using Metal-Organic Nanosheets**. <i>ChemElectroChem</i> , 2022, 9, .	3.4	3
3	Arraying of microphotosynthetic power cells for enhanced power output. <i>Microsystems and Nanoengineering</i> , 2022, 8, 29.	7.0	4
4	Construction of C-N bonds from small-molecule precursors through heterogeneous electrocatalysis. <i>Nature Reviews Chemistry</i> , 2022, 6, 303-319.	30.2	108
5	Detailed Electrochemical Model of Microphotosynthetic Power Cells. <i>IEEE Transactions on Industry Applications</i> , 2021, 57, 1703-1714.	4.9	3
6	Review on Microphotosynthetic Power Cells—A Low-Power Energy-Harvesting Bioelectrochemical Cell: From Fundamentals to Applications. <i>Energy Technology</i> , 2021, 9, 2001002.	3.8	6
7	Pushing the methodological envelope in understanding the photo/electrosynthetic materials-microorganism interface. <i>IScience</i> , 2021, 24, 103049.	4.1	3
8	Simple, Economical Methods for the Culture of Green Algae for Energy Harvesting from Photosynthesis in a Microfluidic Environment. <i>Current Protocols</i> , 2021, 1, e322.	2.9	1
9	Shell isolated nanoparticle enhanced Raman spectroscopy for renewable energy electrocatalysis. <i>New Journal of Chemistry</i> , 2020, 44, 19953-19960.	2.8	10
10	Perspective—Application of Micro Photosynthetic Power Cells for IoT in Automotive Industry. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037545.	2.9	6
11	Perspective—Micro Photosynthetic Power Cells. <i>Journal of the Electrochemical Society</i> , 2019, 166, B3012-B3016.	2.9	13
12	Feasibility Studies of Micro Photosynthetic Power Cells as a Competitor of Photovoltaic Cells for Low and Ultra-Low Power IoT Applications. <i>Energies</i> , 2019, 12, 1595.	3.1	9
13	Intracellular Localized Surface Plasmonic Sensing for Subcellular Diagnosis. <i>Plasmonics</i> , 2018, 13, 1639-1648.	3.4	12
14	Enhanced Internalization of Indian Ayurvedic Swarna Bhasma (Gold Nanopowder) for Effective Interaction with Human Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6791-6798.	0.9	11
15	Comparative study on cellular entry of incinerated ancient gold particles (Swarna Bhasma) and chemically synthesized gold particles. <i>Scientific Reports</i> , 2017, 7, 10678.	3.3	37
16	Electrochemical Modeling and Equivalent Circuit Representation of a Microphotosynthetic Power Cell. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 1561-1571.	7.9	27
17	Application of Particle Swarm Optimization for output voltage regulation of dual input buck-boost converter. , 2014, , .		6
18	Output Voltage Control and Power Management of a Dual Input Buck Boost Converter Employing P&O Algorithm. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 1039-1043.	0.4	6

#	ARTICLE	IF	CITATIONS
19	Optimization of Dual Input Buck Converter Control through Genetic Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 142-146.	0.4	5