

Muni Raj Maurya

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.

19
papers

113
citations

5
h-index

10
g-index

21
ext. papers

205
ext. citations

3.1
avg, IF

3.3
L-index

#	Paper	IF	Citations
19	Breath Analysis for the In Vivo Detection of Diabetic Ketoacidosis.. <i>ACS Omega</i> , 2022 , 7, 4257-4266	3.9	2
18	Development and Fabrication of Carbon Nanotube (CNT)/CuO Nanocomposite for Volatile Organic Compounds (VOCs) Gas Sensor Application. <i>Macromolecular Symposia</i> , 2021 , 400, 2100202	0.8	0
17	2D-MXene as an additive to improve the power conversion efficiency of monolithic perovskite solar cells. <i>Materials Letters</i> , 2021 , 309, 131353	3.3	0
16	A review of smart sensors coupled with Internet of Things and Artificial Intelligence approach for heart failure monitoring. <i>Medical and Biological Engineering and Computing</i> , 2021 , 59, 2185-2203	3.1	2
15	Comparison Study of Metal Oxides (CeO ₂ , CuO, SnO ₂ , CdO, ZnO and TiO ₂) Decked Few Layered Graphene Nanocomposites for Dye-Sensitized Solar Cells. <i>Sustainability</i> , 2021 , 13, 7685	3.6	4
14	. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	2
13	Smart technologies driven approaches to tackle COVID-19 pandemic: a review. <i>3 Biotech</i> , 2021 , 11, 50	2.8	30
12	Colorimetry-Based Detection of Nitric Oxide from Exhaled Breath for Quantification of Oxidative Stress in Human Body. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	1
11	Tri-molybdenum phosphide (Mo ₃ P) and multi-walled carbon nanotube junctions for volatile organic compounds (VOCs) detection. <i>Applied Physics Letters</i> , 2021 , 119, 113101	3.4	2
10	Wide spectral photoresponse of template assisted out of plane grown ZnO/NiO composite nanowire photodetector. <i>Nanotechnology</i> , 2020 , 31, 025705	3.4	18
9	Optimization of electroless plating of gold during MACE for through etching of silicon wafer. <i>Materials Science in Semiconductor Processing</i> , 2019 , 100, 140-144	4.3	3
8	Fast response UV detection based on waveguide characteristics of vertically grown ZnO nanorods partially embedded in anodic alumina template. <i>Nanotechnology</i> , 2019 , 30, 085704	3.4	5
7	Comparative Study of Photoresponse from Vertically Grown ZnO Nanorod and Nanoflake Films. <i>ACS Omega</i> , 2017 , 2, 5538-5544	3.9	16
6	Size-Independent Parameter for Temperature-Dependent Surface Plasmon Resonance in Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 19316-19321	3.8	13
5	Machine learning driven intelligent and self adaptive system for traffic management in smart cities. <i>Computing (Vienna/New York)</i> ,1	2.2	1
4	A Hybrid Photo-Electro Catalytic Conversion of Carbon dioxide Using CuO/MgO Nanocomposite. <i>Topics in Catalysis</i> ,1	2.3	0
3	Rational Synthesis of Mixed Metal Oxide Clusters Supported on a Partially Etched MAX Phase for Efficient Electrocatalytic CO ₂ Conversion. <i>Topics in Catalysis</i> ,1	2.3	1

2	Electrospun Nanofibers: Materials, Synthesis Parameters, and Their Role in Sensing Applications. <i>Macromolecular Materials and Engineering</i> ,2100410	3.9	11
1	A review on high performance photovoltaic cells and strategies for improving their efficiency. <i>Frontiers in Energy</i> ,	2.6	1