

# Muni Raj Maurya

## 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.

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	Smart technologies driven approaches to tackle COVID-19 pandemic: a review. <i>3 Biotech</i> , <b>2021</b> , 11, 50	2.8	30
18	Wide spectral photoresponse of template assisted out of plane grown ZnO/NiO composite nanowire photodetector. <i>Nanotechnology</i> , <b>2020</b> , 31, 025705	3.4	18
17	Comparative Study of Photoresponse from Vertically Grown ZnO Nanorod and Nanoflake Films. <i>ACS Omega</i> , <b>2017</b> , 2, 5538-5544	3.9	16
16	Size-Independent Parameter for Temperature-Dependent Surface Plasmon Resonance in Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 19316-19321	3.8	13
15	Electrospun Nanofibers: Materials, Synthesis Parameters, and Their Role in Sensing Applications. <i>Macromolecular Materials and Engineering</i> , 2100410	3.9	11
14	Fast response UV detection based on waveguide characteristics of vertically grown ZnO nanorods partially embedded in anodic alumina template. <i>Nanotechnology</i> , <b>2019</b> , 30, 085704	3.4	5
13	Comparison Study of Metal Oxides (CeO <sub>2</sub> , CuO, SnO <sub>2</sub> , CdO, ZnO and TiO <sub>2</sub> ) Decked Few Layered Graphene Nanocomposites for Dye-Sensitized Solar Cells. <i>Sustainability</i> , <b>2021</b> , 13, 7685	3.6	4
12	Optimization of electroless plating of gold during MACE for through etching of silicon wafer. <i>Materials Science in Semiconductor Processing</i> , <b>2019</b> , 100, 140-144	4.3	3
11	Breath Analysis for the In Vivo Detection of Diabetic Ketoacidosis.. <i>ACS Omega</i> , <b>2022</b> , 7, 4257-4266	3.9	2
10	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> , <b>2021</b> , 59, 2185-2203	3.1	2
9	. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	2
8	Tri-molybdenum phosphide (Mo <sub>3</sub> P) and multi-walled carbon nanotube junctions for volatile organic compounds (VOCs) detection. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 113101	3.4	2
7	Machine learning driven intelligent and self adaptive system for traffic management in smart cities. <i>Computing (Vienna/New York)</i> , 1	2.2	1
6	Rational Synthesis of Mixed Metal Oxide Clusters Supported on a Partially Etched MAX Phase for Efficient Electrocatalytic CO <sub>2</sub> Conversion. <i>Topics in Catalysis</i> , 1	2.3	1
5	Colorimetry-Based Detection of Nitric Oxide from Exhaled Breath for Quantification of Oxidative Stress in Human Body. <i>Healthcare (Switzerland)</i> , <b>2021</b> , 9,	3.4	1
4	A review on high performance photovoltaic cells and strategies for improving their efficiency. <i>Frontiers in Energy</i> ,	2.6	1
3	A Hybrid Photo-Electro Catalytic Conversion of Carbon dioxide Using CuO/MgO Nanocomposite. <i>Topics in Catalysis</i> , 1	2.3	0

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|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 2 | Development and Fabrication of Carbon Nanotube (CNT)/CuO Nanocomposite for Volatile Organic Compounds (VOCs) Gas Sensor Application. <i>Macromolecular Symposia</i> , <b>2021</b> , 400, 2100202 | 0.8 | o |
| 1 | 2D-MXene as an additive to improve the power conversion efficiency of monolithic perovskite solar cells. <i>Materials Letters</i> , <b>2021</b> , 309, 131353                                    | 3.3 | o |