

Muni Raj Maurya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8282575/publications.pdf>

Version: 2024-02-01

21
papers

307
citations

932766

10
h-index

940134

16
g-index

21
all docs

21
docs citations

21
times ranked

239
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart technologies driven approaches to tackle COVID-19 pandemic: a review. 3 Biotech, 2021, 11, 50.	1.1	56
2	Electrospun Nanofibers: Materials, Synthesis Parameters, and Their Role in Sensing Applications. Macromolecular Materials and Engineering, 2021, 306, 2100410.	1.7	46
3	Wide spectral photoresponse of template assisted out of plane grown ZnO/NiO composite nanowire photodetector. Nanotechnology, 2020, 31, 025705.	1.3	30
4	Comparative Study of Photoresponse from Vertically Grown ZnO Nanorod and Nanoflake Films. ACS Omega, 2017, 2, 5538-5544.	1.6	25
5	Nonenzymatic Electrochemical Sensor Based on CuO-MgO Composite for Dopamine Detection. IEEE Sensors Journal, 2021, 21, 25597-25605.	2.4	16
6	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. Sustainability, 2021, 13, 7685.	1.6	15
7	Size-Independent Parameter for Temperature-Dependent Surface Plasmon Resonance in Metal Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 19316-19321.	1.5	14
8	A review of smart sensors coupled with Internet of Things and Artificial Intelligence approach for heart failure monitoring. Medical and Biological Engineering and Computing, 2021, 59, 2185-2203.	1.6	14
9	Breath Analysis for the In Vivo Detection of Diabetic Ketoacidosis. ACS Omega, 2022, 7, 4257-4266.	1.6	13
10	Colorimetry-Based Detection of Nitric Oxide from Exhaled Breath for Quantification of Oxidative Stress in Human Body. Healthcare (Switzerland), 2021, 9, 1055.	1.0	12
11	High-Precision Nonenzymatic Electrochemical Glucose Sensing Based on CNTs/CuO Nanocomposite. Journal of Electronic Materials, 2022, 51, 4905-4917.	1.0	12
12	Fast response UV detection based on waveguide characteristics of vertically grown ZnO nanorods partially embedded in anodic alumina template. Nanotechnology, 2019, 30, 085704.	1.3	11
13	2D-MXene as an additive to improve the power conversion efficiency of monolithic perovskite solar cells. Materials Letters, 2022, 309, 131353.	1.3	10
14	Machine learning driven intelligent and self adaptive system for traffic management in smart cities. Computing (Vienna/New York), 2022, 104, 1203-1217.	3.2	7
15	A Smart Colorimetric Platform for Detection of Methanol, Ethanol and Formic Acid. Sensors, 2022, 22, 618.	2.1	5
16	Rational Synthesis of Mixed Metal Oxide Clusters Supported on a Partially Etched MAX Phase for Efficient Electrocatalytic CO ₂ Conversion. Topics in Catalysis, 0, , 1.	1.3	5
17	Tri-molybdenum phosphide (Mo ₃ P) and multi-walled carbon nanotube junctions for volatile organic compounds (VOCs) detection. Applied Physics Letters, 2021, 119, .	1.5	4
18	Optimization of electroless plating of gold during MACE for through etching of silicon wafer. Materials Science in Semiconductor Processing, 2019, 100, 140-144.	1.9	3

#	ARTICLE	IF	CITATIONS
19	A Hybrid Photo-Electro Catalytic Conversion of Carbon dioxide Using CuO@MgO Nanocomposite. Topics in Catalysis, 0, , 1.	1.3	3
20	Development and Fabrication of Carbon Nanotube (CNT)/CuO Nanocomposite for Volatile Organic Compounds (VOCs) Gas Sensor Application. Macromolecular Symposia, 2021, 400, 2100202.	0.4	3
21	A review on high performance photovoltaic cells and strategies for improving their efficiency. Frontiers in Energy, 2022, 16, 548-580.	1.2	3