

G Murali

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

720
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

720
citing authors

#	ARTICLE	IF	CITATIONS
1	SnO ₂ quantum dots decorated on RGO: a superior sensitive, selective and reproducible performance for a H ₂ and LPG sensor. <i>Nanoscale</i> , 2015, 7, 11971-11979.	5.6	92
2	Nanocube In ₂ O ₃ @RGO heterostructure based gas sensor for acetone and formaldehyde detection. <i>RSC Advances</i> , 2017, 7, 38714-38724.	3.6	90
3	Enhancing the Charge Carrier Separation and Transport via Nitrogen-Doped Graphene Quantum Dot-TiO ₂ Nanoplate Hybrid Structure for an Efficient NO Gas Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13428-13436.	8.0	88
4	Near-infrared-activated Z-scheme NaYF ₄ :Yb/Tm@Ag ₃ PO ₄ /Ag@g-C ₃ N ₄ photocatalyst for enhanced H ₂ evolution under simulated solar light irradiation. <i>Chemical Engineering Journal</i> , 2021, 421, 129687.	12.7	77
5	Interaction activated interfacial charge transfer in 2D g-C ₃ N ₄ /GaN nanorods heterostructure for self-powered UV photodetector and room temperature NO ₂ gas sensor at ppb level. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129175.	7.8	68
6	A review on MXenes: new-generation 2D materials for supercapacitors. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5672-5693.	4.9	55
7	GO incorporated SnO ₂ nanotubes as fast response sensors for ethanol vapor in different atmospheres. <i>Journal of Alloys and Compounds</i> , 2020, 813, 152251.	5.5	43
8	Enhancing Light Absorption and Prolonging Charge Separation in Carbon Quantum Dots via Cl-Doping for Visible-Light-Driven Photocharge-Transfer Reactions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34648-34657.	8.0	39
9	Engineering Aggregation-Resistant MXene Nanosheets As Highly Conductive and Stable Inks for All-Printed Electronics. <i>Advanced Functional Materials</i> , 2021, 31, 2010897.	14.9	35
10	MXene-Integrated Metal Oxide Transparent Photovoltaics and Self-Powered Photodetectors. <i>ACS Applied Energy Materials</i> , 2022, 5, 7134-7143.	5.1	27
11	Recent Advances in Quantum Dots for Photocatalytic CO ₂ Reduction: A Mini-Review. <i>Frontiers in Chemistry</i> , 2021, 9, 734108.	3.6	20
12	Microwave-assisted synthesis of multifunctional fluorescent carbon quantum dots from A ₄ /B ₂ polyamidation monomer sets. <i>Applied Surface Science</i> , 2021, 542, 148471.	6.1	19
13	Hematoporphyrin Photosensitizer-Linked Carbon Quantum Dots for Photodynamic Therapy of Cancer Cells. <i>ACS Applied Nano Materials</i> , 2022, 5, 4376-4385.	5.0	19
14	p-Phenylendiamine functionalized rGO/Si heterostructure Schottky junction for UV photodetectors. <i>Diamond and Related Materials</i> , 2019, 93, 208-215.	3.9	14
15	Light stimulated room-temperature H ₂ S gas sensing ability of Cl-doped carbon quantum dots supported Ag nanoparticles. <i>Carbon</i> , 2022, 196, 337-346.	10.3	13
16	Ultrathin yttrium fluoride nanostructures: controlled synthesis and polarized up-conversion emission property. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10918-10925.	5.5	7
17	Ultraviolet-Ozone-Activation-Driven Ag Nanoparticles Grown on Plastic Substrates for Antibacterial Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 8767-8774.	5.0	6
18	Stability and Degradation of MXene. <i>Engineering Materials</i> , 2022, , 87-107.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Tin Oxide/Nitrogen-Doped Graphene Quantum Dots Composite Nanotubes: An Efficient Electrode for Supercapacitors. Journal of Nanomaterials, 2022, 2022, 1-14.	2.7	2