

# 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	Hematoporphyrin Photosensitizer-Linked Carbon Quantum Dots for Photodynamic Therapy of Cancer Cells. ACS Applied Nano Materials, 2022, 5, 4376-4385.	5.0	19
2	Ultraviolet-Driven Ozone-Activation-Driven Ag Nanoparticles Grown on Plastic Substrates for Antibacterial Applications. ACS Applied Nano Materials, 2022, 5, 8767-8774.	5.0	6
3	Light stimulated room-temperature H <sub>2</sub> S gas sensing ability of Cl-doped carbon quantum dots supported Ag nanoparticles. Carbon, 2022, 196, 337-346.	10.3	13
4	Stability and Degradation of MXene. Engineering Materials, 2022, , 87-107.	0.6	4
5	MXene-Integrated Metal Oxide Transparent Photovoltaics and Self-Powered Photodetectors. ACS Applied Energy Materials, 2022, 5, 7134-7143.	5.1	27
6	Tin Oxide/Nitrogen-Doped Graphene Quantum Dots Composite Nanotubes: An Efficient Electrode for Supercapacitors. Journal of Nanomaterials, 2022, 2022, 1-14.	2.7	2
7	Microwave-assisted synthesis of multifunctional fluorescent carbon quantum dots from A <sub>4</sub> /B <sub>2</sub> polyamidation monomer sets. Applied Surface Science, 2021, 542, 148471.	6.1	19
8	Interaction activated interfacial charge transfer in 2D g-C <sub>3</sub> N <sub>4</sub> /GaN nanorods heterostructure for self-powered UV photodetector and room temperature NO <sub>2</sub> gas sensor at ppb level. Sensors and Actuators B: Chemical, 2021, 329, 129175.	7.8	68
9	Engineering Aggregation-Resistant MXene Nanosheets As Highly Conductive and Stable Inks for All-Printed Electronics. Advanced Functional Materials, 2021, 31, 2010897.	14.9	35
10	Enhancing Light Absorption and Prolonging Charge Separation in Carbon Quantum Dots via Cl-Doping for Visible-Light-Driven Photocharge-Transfer Reactions. ACS Applied Materials & Interfaces, 2021, 13, 34648-34657.	8.0	39
11	Recent Advances in Quantum Dots for Photocatalytic CO <sub>2</sub> Reduction: A Mini-Review. Frontiers in Chemistry, 2021, 9, 734108.	3.6	20
12	Near-infrared-activated Z-scheme NaYF <sub>4</sub> :Yb/Tm@Ag <sub>3</sub> PO <sub>4</sub> /Ag@g-C <sub>3</sub> N <sub>4</sub> photocatalyst for enhanced H <sub>2</sub> evolution under simulated solar light irradiation. Chemical Engineering Journal, 2021, 421, 129687.	12.7	77
13	A review on MXenes: new-generation 2D materials for supercapacitors. Sustainable Energy and Fuels, 2021, 5, 5672-5693.	4.9	55
14	GO incorporated SnO <sub>2</sub> nanotubes as fast response sensors for ethanol vapor in different atmospheres. Journal of Alloys and Compounds, 2020, 813, 152251.	5.5	43
15	Enhancing the Charge Carrier Separation and Transport via Nitrogen-Doped Graphene Quantum Dot-TiO <sub>2</sub> Nanoplate Hybrid Structure for an Efficient NO Gas Sensor. ACS Applied Materials & Interfaces, 2020, 12, 13428-13436.	8.0	88
16	Ultrathin yttrium fluoride nanostructures: controlled synthesis and polarized up-conversion emission property. Journal of Materials Chemistry C, 2019, 7, 10918-10925.	5.5	7
17	p-Phenylendiamine functionalized rGO/Si heterostructure Schottky junction for UV photodetectors. Diamond and Related Materials, 2019, 93, 208-215.	3.9	14
18	Nanocube In <sub>2</sub> O <sub>3</sub> @RGO heterostructure based gas sensor for acetone and formaldehyde detection. RSC Advances, 2017, 7, 38714-38724.	3.6	90

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19	SnO <sub>2</sub> quantum dots decorated on RGO: a superior sensitive, selective and reproducible performance for a H <sub>2</sub> and LPG sensor. Nanoscale, 2015, 7, 11971-11979.	5.6	92