

Anchal Srivastava

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

536
citations

687363

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h-index

752698

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21
all docs

21
docs citations

21
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of an efficient, tunable and scalable freestanding flexible membrane for filter application. RSC Advances, 2022, 12, 1550-1562.	3.6	6
2	Autonomous self-optimizing defects by refining energy levels through hydrogenation in CeO ₂ polymorphism: a walking mobility of oxygen vacancy with enhanced adsorption capabilities and photocatalytic stability. New Journal of Chemistry, 2022, 46, 5869-5880.	2.8	15
3	Unveiling the electrical and photo-physical properties of intrinsic n-type 2D WSe ₂ for high performance field-effect transistors. Journal of Applied Physics, 2022, 131, .	2.5	4
4	Multiwalled Carbon Nanotube-Based Freestanding Filters for Efficient Removal of Fine Particulate Matters (PM _{0.3}), Microplastics (MP _{0.3}), and Bioaerosols. ACS Applied Nano Materials, 2022, 5, 9306-9318.	5.0	9
5	Multiwalled Carbon Nanotube Filters for Toxin Removal from Cigarette Smoke. ACS Applied Nano Materials, 2020, 3, 760-771.	5.0	19
6	Facile synthesis of highly fluorescent water-soluble SnS ₂ QDs for effective detection of Fe ³⁺ and unveiling its fluorescence quenching mechanism. Optical Materials, 2020, 109, 110337.	3.6	19
7	Fluorescence quenching of molybdenum disulfide quantum dots for metal ion sensing. Monatshefte für Chemie, 2020, 151, 729-741.	1.8	5
8	Study on the Growth Parameters and the Electrical and Optical Behaviors of 2D Tungsten Disulfide. ACS Applied Materials & Interfaces, 2020, 12, 16576-16583.	8.0	13
9	MoS ₂ -Modified Curcumin Nanostructures: The Novel Theranostic Hybrid Having Potent Antibacterial and Antibiofilm Activities against Multidrug-Resistant Hypervirulent <i>Klebsiella pneumoniae</i> . Chemical Research in Toxicology, 2019, 32, 1599-1618.	3.3	16
10	Enhanced Osteogenesis by Molybdenum Disulfide Nanosheet Reinforced Hydroxyapatite Nanocomposite Scaffolds. ACS Biomaterials Science and Engineering, 2019, 5, 4511-4521.	5.2	31
11	Carbon nanotubes molybdenum disulfide 3D nanocomposite as novel nanoscaffolds to immobilize <i>Lens culinaris</i> β -galactosidase (Lsgal): Robust stability, reusability, and effective bioconversion of lactose in whey. Food Chemistry, 2019, 297, 125005.	8.2	18
12	WS ₂ Quantum Dot Graphene Nanocomposite Film for UV Photodetection. ACS Applied Nano Materials, 2019, 2, 3934-3942.	5.0	45
13	In Situ Functionalized Fluorescent WS ₂ -QDs as Sensitive and Selective Probe for Fe ³⁺ and a Detailed Study of Its Fluorescence Quenching. ACS Applied Nano Materials, 2019, 2, 566-576.	5.0	57
14	Fabrication of sensitive bioelectrode based on atomically thin CVD grown graphene for cancer biomarker detection. Biosensors and Bioelectronics, 2018, 105, 173-181.	10.1	69
15	A curious observation of Pauli-Blocking in MoS ₂ -quantum dots/graphene hybrid system. Journal of Applied Physics, 2018, 124, .	2.5	8
16	Highly stable and bio-compatible luminescent molybdenum disulfide quantum dots for imaging of alimentary canal in <i>Drosophila</i> . Journal of Luminescence, 2018, 202, 111-117.	3.1	18
17	pH Dependent Optical Switching and Fluorescence Modulation of Molybdenum Sulfide Quantum Dots. Advanced Optical Materials, 2017, 5, 1601021.	7.3	32
18	Microwave-assisted boron and nitrogen co-doped reduced graphene oxide as a transparent conductive electrode. Applied Physics Letters, 2017, 111, .	3.3	9

#	ARTICLE	IF	CITATIONS
19	Covalent immobilization of α -amylase onto functionalized molybdenum sulfide nanosheets, its kinetics and stability studies: A gateway to boost enzyme application. <i>Chemical Engineering Journal</i> , 2017, 328, 215-227.	12.7	74
20	Curcumin Quantum Dots Mediated Degradation of Bacterial Biofilms. <i>Frontiers in Microbiology</i> , 2017, 8, 1517.	3.5	68