

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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752698

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21
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21
docs citations

21
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Fabrication of sensitive bioelectrode based on atomically thin CVD grown graphene for cancer biomarker detection. <i>Biosensors and Bioelectronics</i> , 2018, 105, 173-181.	10.1	69
3	Curcumin Quantum Dots Mediated Degradation of Bacterial Biofilms. <i>Frontiers in Microbiology</i> , 2017, 8, 1517.	3.5	68
4	In Situ Functionalized Fluorescent WS ₂ -QDs as Sensitive and Selective Probe for Fe ³⁺ and a Detailed Study of Its Fluorescence Quenching. <i>ACS Applied Nano Materials</i> , 2019, 2, 566-576.	5.0	57
5	WS ₂ Quantum Dot Graphene Nanocomposite Film for UV Photodetection. <i>ACS Applied Nano Materials</i> , 2019, 2, 3934-3942.	5.0	45
6	pH Dependent Optical Switching and Fluorescence Modulation of Molybdenum Sulfide Quantum Dots. <i>Advanced Optical Materials</i> , 2017, 5, 1601021.	7.3	32
7	Enhanced Osteogenesis by Molybdenum Disulfide Nanosheet Reinforced Hydroxyapatite Nanocomposite Scaffolds. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4511-4521.	5.2	31
8	Multiwalled Carbon Nanotube Filters for Toxin Removal from Cigarette Smoke. <i>ACS Applied Nano Materials</i> , 2020, 3, 760-771.	5.0	19
9	Facile synthesis of highly fluorescent water-soluble SnS ₂ QDs for effective detection of Fe ³⁺ and unveiling its fluorescence quenching mechanism. <i>Optical Materials</i> , 2020, 109, 110337.	3.6	19
10	Highly stable and bio-compatible luminescent molybdenum disulfide quantum dots for imaging of alimentary canal in <i>Drosophila</i> . <i>Journal of Luminescence</i> , 2018, 202, 111-117.	3.1	18
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. <i>Food Chemistry</i> , 2019, 297, 125005.	8.2	18
12	MoS ₂ -Modified Curcumin Nanostructures: The Novel Theranostic Hybrid Having Potent Antibacterial and Antibiofilm Activities against Multidrug-Resistant Hypervirulent <i>Klebsiella pneumoniae</i> . <i>Chemical Research in Toxicology</i> , 2019, 32, 1599-1618.	3.3	16
13	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. <i>New Journal of Chemistry</i> , 2022, 46, 5869-5880.	2.8	15
14	Study on the Growth Parameters and the Electrical and Optical Behaviors of 2D Tungsten Disulfide. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16576-16583.	8.0	13
15	Microwave-assisted boron and nitrogen co-doped reduced graphene oxide as a transparent conductive electrode. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	9
16	Multiwalled Carbon Nanotube-Based Freestanding Filters for Efficient Removal of Fine Particulate Matters (PM _{0.3}), Microplastics (MP _{0.3}), and Bioaerosols. <i>ACS Applied Nano Materials</i> , 2022, 5, 9306-9318.	5.0	9
17	A curious observation of Pauli-Blocking in MoS ₂ -quantum dots/graphene hybrid system. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	8
18	Design of an efficient, tunable and scalable freestanding flexible membrane for filter application. <i>RSC Advances</i> , 2022, 12, 1550-1562.	3.6	6

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19	Fluorescence quenching of molybdenum disulfide quantum dots for metal ion sensing. Monatshefte für Chemie, 2020, 151, 729-741.	1.8	5
20	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