

sima umrao

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,425
citations

331259

21
h-index

500791

28
g-index

31
all docs

31
docs citations

31
times ranked

2476
citing authors

#	ARTICLE	IF	CITATIONS
1	MXene artificial muscles based on ionically cross-linked Ti ₃ C ₂ T _x electrode for kinetic soft robotics. <i>Science Robotics</i> , 2019, 4, .	9.9	169
2	Microwave-Assisted Synthesis of Boron and Nitrogen co-doped Reduced Graphene Oxide for the Protection of Electromagnetic Radiation in Ku-Band. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19831-19842.	4.0	145
3	A possible mechanism for the emergence of an additional band gap due to a Ti-O-C bond in the TiO ₂ -graphene hybrid system for enhanced photodegradation of methylene blue under visible light. <i>RSC Advances</i> , 2014, 4, 59890-59901.	1.7	143
4	Large-Area Highly Conductive Transparent Two-Dimensional Ti ₂ CT _x Film. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 859-865.	2.1	118
5	Synthesis, Characterization, and Tribological Evaluation of TiO ₂ -Reinforced Boron and Nitrogen co-Doped Reduced Graphene Oxide Based Hybrid Nanomaterials as Efficient Antiwear Lubricant Additives. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11698-11710.	4.0	104
6	Microwave bottom-up route for size-tunable and switchable photoluminescent graphene quantum dots using acetylacetone: New platform for enzyme-free detection of hydrogen peroxide. <i>Carbon</i> , 2015, 81, 514-524.	5.4	93
7	Facile, rapid and upscaled synthesis of green luminescent functional graphene quantum dots for bioimaging. <i>RSC Advances</i> , 2014, 4, 21101.	1.7	61
8	Graphene Oxide-Based Biosensor for Food Toxin Detection. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 960-970.	1.4	60
9	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.	2.4	57
10	Self-aligned and hierarchically porous graphene-polyurethane foams for acoustic wave absorption. <i>Carbon</i> , 2019, 147, 510-518.	5.4	45
11	Sonochemical self-growth of functionalized titanium carbide nanorods on Ti ₃ C ₂ nanosheets for high capacity anode for lithium-ion batteries. <i>Composites Part B: Engineering</i> , 2020, 181, 107583.	5.9	41
12	Nanostructured palladium-reduced graphene oxide platform for high sensitive, label free detection of a cancer biomarker. <i>RSC Advances</i> , 2013, 4, 2267-2273.	1.7	38
13	Integrated dielectric-electrode layer for triboelectric nanogenerator based on Cu nanowire-Mesh hybrid electrode. <i>Nano Energy</i> , 2019, 59, 120-128.	8.2	37
14	Influence of nanostructured SnS thin films for visible light photo detection. <i>Optical Materials</i> , 2021, 121, 111489.	1.7	36
15	Multi-layered graphene quantum dots derived photodegradation mechanism of methylene blue. <i>RSC Advances</i> , 2015, 5, 51790-51798.	1.7	35
16	A homogeneous atomic layer MoS ₂ (1-x)Se _{2x} alloy prepared by low-pressure chemical vapor deposition, and its properties. <i>Nanoscale</i> , 2017, 9, 594-603.	2.8	33
17	pH Dependent Optical Switching and Fluorescence Modulation of Molybdenum Sulfide Quantum Dots. <i>Advanced Optical Materials</i> , 2017, 5, 1601021.	3.6	32
18	Mutually Exclusive p-type and n-type Hybrid Electrode of MoS ₂ and Graphene for Artificial Soft Touch Fingers. <i>Advanced Functional Materials</i> , 2019, 29, 1905454.	7.8	30

#	ARTICLE	IF	CITATIONS
19	Graphene Mesh for Self-Sensing Ionic Soft Actuator Inspired from Mechanoreceptors in Human Body. <i>Advanced Science</i> , 2019, 6, 1901711.	5.6	29
20	Eu:Y ₂ O ₃ highly dispersed fluorescent PVA film as turn off luminescent probe for enzyme free detection of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 170-178.	4.0	24
21	Orbital facilitated charge transfer originated phonon mode in Cr-substituted PrFeO ₃ : A brief Raman study. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1210-1218.	1.2	22
22	Crumpled Quaternary Nanoarchitecture of Sulfur-Doped Nickel Cobalt Selenide Directly Grown on Carbon Cloth for Making Stronger Ionic Soft Actuators. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40451-40460.	4.0	21
23	Anticarcinogenic activity of blue fluorescent hexagonal boron nitride quantum dots: as an effective enhancer for DNA cleavage activity of anticancer drug doxorubicin. <i>Materials Today Bio</i> , 2019, 1, 100001.	2.6	13
24	Highly sensitive and selective estimation of aspartame by chitosan nanoparticles-graphene nanocomposite tailored EQCM-MIP sensor. <i>Polymer Bulletin</i> , 2019, 76, 4431-4449.	1.7	13
25	A novel Raman spectroscopic approach to identify polymorphism in leflunomide: a combined experimental and theoretical study. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 468-475.	1.2	9
26	Microwave-assisted boron and nitrogen co-doped reduced graphene oxide as a transparent conductive electrode. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	9
27	Nanosheets Based Approach to Elevate the Proliferative and Differentiation Efficacy of Human Wharton's Jelly Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5816.	1.8	3
28	Catalytically Active Enzyme Mimetic Nanomaterials and Their Role in Biosensing. , 2018, , 285-300.		0