

Wanjie Xie

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

692
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Gallium-Based Liquid Metal Reaction Media for Interfacial Precipitation of Bismuth Nanomaterials with Controlled Phases and Morphologies. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	28
2	Superhydrophobic natural melanin-coated cotton with excellent UV protection and personal thermal management functionality. <i>Chemical Engineering Journal</i> , 2022, 433, 133688.	12.7	30
3	Applications of liquid metals in nanotechnology. <i>Nanoscale Horizons</i> , 2022, 7, 141-167.	8.0	47
4	Cell-Mediated Biointerfacial Phenolic Assembly for Probiotic Nano Encapsulation. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	34
5	Gallium Nanodroplets are Anti-Inflammatory without Interfering with Iron Homeostasis. <i>ACS Nano</i> , 2022, 16, 8891-8903.	14.6	33
6	Gallium-Based Liquid Metal Particles for Therapeutics. <i>Trends in Biotechnology</i> , 2021, 39, 624-640.	9.3	85
7	Nanotip Formation from Liquid Metals for Soft Electronic Junctions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43247-43257.	8.0	17
8	Post-transition metal/polymer composites for the separation and sensing of alkali metal ions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19854-19864.	10.3	12
9	Polydopamine Shell as a Ga ³⁺ Reservoir for Triggering Gallium-Indium Phase Separation in Eutectic Gallium-Indium Nanoalloys. <i>ACS Nano</i> , 2021, 15, 16839-16850.	14.6	27
10	Waste-Hair-Derived Natural Melanin/TiO ₂ Hybrids as Highly Efficient and Stable UV-Shielding Fillers for Polyurethane Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1343-1352.	6.7	36
11	Natural melanin/TiO ₂ hybrids for simultaneous removal of dyes and heavy metal ions under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112292.	3.9	19
12	Natural Melanin/Polyurethane Composites as Highly Efficient Near-Infrared-Photoresponsive Shape Memory Implants. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5305-5314.	5.2	17
13	High-Performance Natural Melanin/Poly(vinyl Alcohol-co-ethylene) Nanofibers/PA6 Fiber for Twisted and Coiled Fiber-Based Actuator. <i>Advanced Fiber Materials</i> , 2020, 2, 64-73.	16.1	27
14	Functional cotton fabric using hollow glass microspheres: Focus on thermal insulation, flame retardancy, UV-protection and acoustic performance. <i>Progress in Organic Coatings</i> , 2020, 141, 105553.	3.9	39
15	Natural Eumelanin and Its Derivatives as Multifunctional Materials for Bioinspired Applications: A Review. <i>Biomacromolecules</i> , 2019, 20, 4312-4331.	5.4	73
16	Homogeneous melanin/silica core-shell particles incorporated in poly (methyl methacrylate) for enhanced UV protection, thermal stability, and mechanical properties. <i>Materials Chemistry and Physics</i> , 2019, 230, 319-325.	4.0	11
17	Porous BN/TiO ₂ hybrid nanosheets as highly efficient visible-light-driven photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 72-78.	20.2	86
18	Reactive Yellow 161 Decolorization by TiO ₂ /Porous Boron Nitride Nanosheet Composites in Cotton Dyeing Effluent. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1392-1399.	6.7	22

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19	Photocatalytic TiO ₂ /porous BNNSs composites for simultaneous LR2B and Cr (VI) removal in wool dyeing bath. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 333, 165-173.	3.9	34
20	Synthesis of TiO ₂ &SiO ₂ nanoparticles as efficient UV absorbers and their application on wool. Textile Reseach Journal, 2017, 87, 1784-1792.	2.2	15