

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

#	ARTICLE	IF	CITATIONS
19	Post-transition metal/polymer composites for the separation and sensing of alkali metal ions. Journal of Materials Chemistry A, 2021, 9, 19854-19864.	10.3	12
20	Homogeneous melanin/silica core-shell particles incorporated in poly (methyl methacrylate) for enhanced UV protection, thermal stability, and mechanical properties. Materials Chemistry and Physics, 2019, 230, 319-325.	4.0	11