

Guo-Hao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

364
citations

1163117

8
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance particulate matter including nanoscale particle removal by a self-powered air filter. <i>Nature Communications</i> , 2020, 11, 1653.	12.8	108
2	Designing high-performance hypergolic propellants based on materials genome. <i>Science Advances</i> , 2020, 6, .	10.3	43
3	Self-assembled ionic nanofibers derived from amino acids for high-performance particulate matter removal. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4619-4625.	10.3	40
4	Biocompatible Ionic Liquid Based on Curcumin as Fluorescence Probe for Detecting Benzoyl Peroxide without the Interference of H_2O . <i>Analytical Chemistry</i> , 2019, 91, 6593-6599.	6.5	33
5	Self-Healable, Malleable, and Flexible Ionic Polyimine as an Environmental Sensor for Portable Exogenous Pollutant Detection. , 2022, 4, 136-144.		30
6	Handy fluorescent paper device based on a curcumin derivative for ultrafast detection of peroxide-based explosives. <i>Chemical Communications</i> , 2019, 55, 13661-13664.	4.1	27
7	Enhanced Solubility and Antitumor Activity of Curcumin via Breaking and Rebuilding of the Hydrogen Bond. <i>ACS Applied Bio Materials</i> , 2021, 4, 918-927.	4.6	16
8	Ultralow-cost portable device for cesium detection via perovskite fluorescence. <i>Journal of Hazardous Materials</i> , 2022, 425, 127981.	12.4	14
9	Bio-Based Antimicrobial Ionic Materials Fully Composed of Natural Products for Elevated Air Purification. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000046.	5.3	10
10	Self-charge-carrying air filter by in situ polymerization to avoid charge dissipation and potential material poisoning. <i>Chemical Engineering Journal</i> , 2022, 449, 137788.	12.7	10
11	Self-Assembled Biomimetic Capsules for Self-Preservation. <i>Small</i> , 2020, 16, e2000930.	10.0	9
12	Hydrogen-bonding and π - π interaction promoted solution-processable mixed matrix membranes for aromatic amines detection. <i>Journal of Hazardous Materials</i> , 2022, 430, 128490.	12.4	8
13	Virtual Reality Assisted General Education of Nuclear Chemistry and Radiochemistry. <i>Journal of Chemical Education</i> , 2022, 99, 777-786.	2.3	6
14	Interfacial Carrier-Transfer Channel Optimization Based on Hydrogen Bonds for High-Performance Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 3881-3890.	5.1	5
15	Ultrasound-Responsive Ionic Liquid for Selective Phase Transition Extraction of Zr(IV) Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9053-9065.	6.7	5