

Minxiang Zeng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4077986/publications.pdf>

Version: 2024-02-01

36
papers

1,251
citations

331259

21
h-index

360668

35
g-index

37
all docs

37
docs citations

37
times ranked

1571
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of nanomaterials for nanofluid enhanced oil recovery. RSC Advances, 2017, 7, 32246-32254.	1.7	151
2	Colloidal nanoparticle inks for printing functional devices: emerging trends and future prospects. Journal of Materials Chemistry A, 2019, 7, 23301-23336.	5.2	94
3	Engineered two-dimensional nanomaterials: an emerging paradigm for water purification and monitoring. Materials Horizons, 2021, 8, 758-802.	6.4	92
4	Highly Biocompatible, Underwater Superhydrophilic and Multifunctional Biopolymer Membrane for Efficient Oil/Water Separation and Aqueous Pollutant Removal. ACS Sustainable Chemistry and Engineering, 2018, 6, 3879-3887.	3.2	82
5	Putting a Terbium-Monometallic Cyanide Cluster into the C ₈₂ Fullerene Cage: TbCN@C ₂ (5)-C ₈₂ . Inorganic Chemistry, 2014, 53, 5201-5205.	1.9	56
6	Thermosensitive ZrP-PNIPAM Pickering Emulsifier and the Controlled-Release Behavior. ACS Applied Materials & Interfaces, 2017, 9, 7852-7858.	4.0	51
7	All-Printed MXene/Graphene Nanosheet-Based Bimodal Sensors for Simultaneous Strain and Temperature Sensing. ACS Applied Electronic Materials, 2021, 3, 2341-2348.	2.0	48
8	Synergistic High-flux Oil/Saltwater Separation and Membrane Desalination with Carbon Quantum Dots Functionalized Membrane. ACS Sustainable Chemistry and Engineering, 2019, 7, 13708-13716.	3.2	46
9	Iridescence in nematics: Photonic liquid crystals of nanoplates in absence of long-range periodicity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18322-18327.	3.3	43
10	Aqueous Exfoliation of Graphite into Graphene Assisted by Sulfonyl Graphene Quantum Dots for Photonic Crystal Applications. ACS Applied Materials & Interfaces, 2017, 9, 30797-30804.	4.0	42
11	Printing thermoelectric inks toward next-generation energy and thermal devices. Chemical Society Reviews, 2022, 51, 485-512.	18.7	39
12	Hierarchical, Self-Healing and Superhydrophobic Zirconium Phosphate Hybrid Membrane Based on the Interfacial Crystal Growth of Lyotropic Two-Dimensional Nanoplatelets. ACS Applied Materials & Interfaces, 2018, 10, 22793-22800.	4.0	36
13	Natural Halloysites-Based Janus Platelet Surfactants for the Formation of Pickering Emulsion and Enhanced Oil Recovery. Scientific Reports, 2019, 9, 163.	1.6	34
14	Electrostatic-Driven Dynamic Jamming of 2D Nanoparticles at Interfaces for Controlled Molecular Diffusion. Angewandte Chemie - International Edition, 2018, 57, 11752-11757.	7.2	33
15	Accelerated Design of Catalytic Water-Cleaning Nanomotors via Machine Learning. ACS Applied Materials & Interfaces, 2019, 11, 40099-40106.	4.0	33
16	Hybrid printing of wearable piezoelectric sensors. Nano Energy, 2021, 90, 106522.	8.2	31
17	The Synthesis of Amphiphilic Luminescent Graphene Quantum Dot and Its Application in Miniemulsion Polymerization. Journal of Nanomaterials, 2016, 2016, 1-8.	1.5	28
18	Templating synthesis of natural cotton-based hierarchically structured carbon hollow microfibers for high-performance solar vapor generation. Journal of Materials Chemistry A, 2021, 9, 15346-15354.	5.2	24

#	ARTICLE	IF	CITATIONS
19	Microwave-assisted rapid synthesis of hexagonal Hf -zirconium phosphate nanodisks as a Pickering emulsion stabilizer. <i>Materials Letters</i> , 2016, 163, 158-161.	1.3	23
20	Colloidal Nanosurfactants for 3D Conformal Printing of 2D van der Waals Materials. <i>Advanced Materials</i> , 2020, 32, e2003081.	11.1	23
21	Autonomous Catalytic Nanomotors Based on 2D Magnetic Nanoplates. <i>ACS Applied Nano Materials</i> , 2019, 2, 1267-1273.	2.4	21
22	Assembly and Chiral Memory Effects of Dynamic Macroscopic Supramolecular Helices. <i>Chemistry - A European Journal</i> , 2018, 24, 16553-16557.	1.7	20
23	Atmospheric Pressure and Ambient Temperature Plasma Jet Sintering of Aerosol Jet Printed Silver Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47244-47251.	4.0	20
24	Electrostatic-Driven Dynamic Jamming of 2D Nanoparticles at Interfaces for Controlled Molecular Diffusion. <i>Angewandte Chemie</i> , 2018, 130, 11926-11931.	1.6	19
25	Amphiphilicity-adaptable graphene quantum dots to stabilize pH-responsive pickering emulsions at a very low concentration. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 106-113.	5.0	19
26	High-flux underwater superoleophobic hybrid membranes for effective oil-water separation from oil-contaminated water. <i>RSC Advances</i> , 2017, 7, 9051-9056.	1.7	18
27	Blue phase liquid crystal microcapsules: confined 3D structure inducing fascinating properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4822-4827.	2.7	17
28	Facile one-step microwave-assisted modification of kaolinite and performance evaluation of pickering emulsion stabilization for oil recovery application. <i>Journal of Environmental Management</i> , 2019, 238, 257-262.	3.8	17
29	Biomimetic colloidal photonic crystals by coassembly of polystyrene nanoparticles and graphene quantum dots. <i>RSC Advances</i> , 2018, 8, 34839-34847.	1.7	16
30	Intramolecular Oxonium Ylide Formation-Induced [2,3] Sigmatropic Rearrangement of Diazocarbonyl-Substituted Cyclic Unsaturated Acetals: A Formal Synthesis of Hyperolactone C. <i>Journal of Organic Chemistry</i> , 2014, 79, 9728-9734.	1.7	15
31	Growth of Colloidal Nanoplate Liquid Crystals Using Temperature Gradients. <i>ACS Nano</i> , 2019, 13, 12461-12469.	7.3	15
32	Improving the stability of high expansion foam used for LNG vapor risk mitigation using exfoliated zirconium phosphate nanoplates. <i>Chemical Engineering Research and Design</i> , 2019, 123, 48-58.	2.7	13
33	Scalable nanomanufacturing of chalcogenide inks: a case study on thermoelectric VI nanoplates. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22555-22562.	5.2	10
34	Zwitterionic Graphene Quantum Dots to Stabilize Pickering Emulsions for Controlled-Release Applications. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7486-7492.	4.0	10
35	Rainbows in a vial: controlled assembly of 2D colloids in two perpendicular external fields. <i>2D Materials</i> , 2019, 6, 025031.	2.0	9
36	Structured illumination with thermal imaging (SI-TI): A dynamically reconfigurable metrology for parallelized thermal transport characterization. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	3