

# Minxiang Zeng

## List of Publications by Year in descending order

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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	Printing thermoelectric inks toward next-generation energy and thermal devices. <i>Chemical Society Reviews</i> , 2022, 51, 485-512.	18.7	39
2	Zwitterionic Graphene Quantum Dots to Stabilize Pickering Emulsions for Controlled-Release Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 7486-7492.	4.0	10
3	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
4	Engineered two-dimensional nanomaterials: an emerging paradigm for water purification and monitoring. <i>Materials Horizons</i> , 2021, 8, 758-802.	6.4	92
5	Scalable nanomanufacturing of chalcogenide inks: a case study on thermoelectric Vâ€“VI nanoplates. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22555-22562.	5.2	10
6	All-Printed MXeneâ€“Graphene Nanosheet-Based Bimodal Sensors for Simultaneous Strain and Temperature Sensing. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2341-2348.	2.0	48
7	Atmospheric Pressure and Ambient Temperature Plasma Jet Sintering of Aerosol Jet Printed Silver Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 47244-47251.	4.0	20
8	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
9	Hybrid printing of wearable piezoelectric sensors. <i>Nano Energy</i> , 2021, 90, 106522.	8.2	31
10	Templating synthesis of natural cotton-based hierarchically structured carbon hollow microfibers for high-performance solar vapor generation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15346-15354.	5.2	24
11	Colloidal Nanosurfactants for 3D Conformal Printing of 2D van der Waals Materials. <i>Advanced Materials</i> , 2020, 32, e2003081.	11.1	23
12	Synergistic High-flux Oilâ€“Saltwater Separation and Membrane Desalination with Carbon Quantum Dots Functionalized Membrane. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13708-13716.	3.2	46
13	Accelerated Design of Catalytic Water-Cleaning Nanomotors via Machine Learning. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40099-40106.	4.0	33
14	Growth of Colloidal Nanoplate Liquid Crystals Using Temperature Gradients. <i>ACS Nano</i> , 2019, 13, 12461-12469.	7.3	15
15	Iridescence in nematics: Photonic liquid crystals of nanoplates in absence of long-range periodicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18322-18327.	3.3	43
16	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
17	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
18	Rainbows in a vial: controlled assembly of 2D colloids in two perpendicular external fields. <i>2D Materials</i> , 2019, 6, 025031.	2.0	9

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19	Colloidal nanoparticle inks for printing functional devices: emerging trends and future prospects. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23301-23336.	5.2	94
20	Autonomous Catalytic Nanomotors Based on 2D Magnetic Nanoplates. <i>ACS Applied Nano Materials</i> , 2019, 2, 1267-1273.	2.4	21
21	Natural Halloysites-Based Janus Platelet Surfactants for the Formation of Pickering Emulsion and Enhanced Oil Recovery. <i>Scientific Reports</i> , 2019, 9, 163.	1.6	34
22	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
23	Highly Biocompatible, Underwater Superhydrophilic and Multifunctional Biopolymer Membrane for Efficient Oil/Water Separation and Aqueous Pollutant Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3879-3887.	3.2	82
24	Biomimetic colloidal photonic crystals by coassembly of polystyrene nanoparticles and graphene quantum dots. <i>RSC Advances</i> , 2018, 8, 34839-34847.	1.7	16
25	Electrostatic-Driven Dynamic Jamming of 2D Nanoparticles at Interfaces for Controlled Molecular Diffusion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11752-11757.	7.2	33
26	Electrostatic-Driven Dynamic Jamming of 2D Nanoparticles at Interfaces for Controlled Molecular Diffusion. <i>Angewandte Chemie</i> , 2018, 130, 11926-11931.	1.6	19
27	Assembly and Chiral Memory Effects of Dynamic Macroscopic Supramolecular Helices. <i>Chemistry - A European Journal</i> , 2018, 24, 16553-16557.	1.7	20
28	Hierarchical, Self-Healing and Superhydrophobic Zirconium Phosphate Hybrid Membrane Based on the Interfacial Crystal Growth of Lyotropic Two-Dimensional Nanoplatelets. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22793-22800.	4.0	36
29	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
30	Thermosensitive ZrP-PNIPAM Pickering Emulsifier and the Controlled-Release Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7852-7858.	4.0	51
31	Aqueous Exfoliation of Graphite into Graphene Assisted by Sulfonyl Graphene Quantum Dots for Photonic Crystal Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30797-30804.	4.0	42
32	A review of nanomaterials for nanofluid enhanced oil recovery. <i>RSC Advances</i> , 2017, 7, 32246-32254.	1.7	151
33	The Synthesis of Amphiphilic Luminescent Graphene Quantum Dot and Its Application in Miniemulsion Polymerization. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	1.5	28
34	Microwave-assisted rapid synthesis of hexagonal $\text{ZrP}$ -zirconium phosphate nanodisks as a Pickering emulsion stabilizer. <i>Materials Letters</i> , 2016, 163, 158-161.	1.3	23
35	Putting a Terbium-Monometallic Cyanide Cluster into the $\text{C}_{82}$ Fullerene Cage: $\text{TbCN@C}_{82}(5)$ . <i>Inorganic Chemistry</i> , 2014, 53, 5201-5205.	1.9	56
36	Intramolecular Oxonium Ylide Formation/[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