

Dali Huang

List of Publications by Year in descending order

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27
papers

725
citations

471061

17
h-index

525886

27
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all docs

27
docs citations

27
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Engineered two-dimensional nanomaterials: an emerging paradigm for water purification and monitoring. <i>Materials Horizons</i> , 2021, 8, 758-802.	6.4	92
3	Microwave Synthesis of MnO ₂ -Lignin Composite Electrodes for Supercapacitors. <i>Journal of Composites Science</i> , 2021, 5, 216.	1.4	11
4	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
5	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
6	Colloidal Nanosurfactants for 3D Conformal Printing of 2D van der Waals Materials. <i>Advanced Materials</i> , 2020, 32, e2003081.	11.1	23
7	Modelling ice and wax formation in a pipeline in the Arctic environment. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 66, 104197.	1.7	3
8	Microwave-assisted preparation of two-dimensional amphiphilic nanoplate herding surfactants for offshore oil spill treatment. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 66, 104213.	1.7	4
9	Synergistic High-flux Oil- <i>Water</i> Separation and Membrane Desalination with Carbon Quantum Dots Functionalized Membrane. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13708-13716.	3.2	46
10	Accelerated Design of Catalytic Water-Cleaning Nanomotors via Machine Learning. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40099-40106.	4.0	33
11	Growth of Colloidal Nanoplate Liquid Crystals Using Temperature Gradients. <i>ACS Nano</i> , 2019, 13, 12461-12469.	7.3	15
12	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
13	Biocompatible Herder for rapid oil spill treatment over a wide temperature range. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 62, 103948.	1.7	5
14	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
15	Autonomous Catalytic Nanomotors Based on 2D Magnetic Nanoplates. <i>ACS Applied Nano Materials</i> , 2019, 2, 1267-1273.	2.4	21
16	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
17	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
18	Highly Biocompatible, Underwater Superhydrophilic and Multifunctional Biopolymer Membrane for Efficient Oil- <i>Water</i> Separation and Aqueous Pollutant Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3879-3887.	3.2	82

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19	Biomimetic colloidal photonic crystals by coassembly of polystyrene nanoparticles and graphene quantum dots. <i>RSC Advances</i> , 2018, 8, 34839-34847.	1.7	16
20	Electrostaticâ€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
21	Electrostaticâ€Driven Dynamic Jamming of 2D Nanoparticles at Interfaces for Controlled Molecular Diffusion. <i>Angewandte Chemie</i> , 2018, 130, 11926-11931.	1.6	19
22	Hierarchical, Self-Healing and Superhydrophobic Zirconium Phosphate Hybrid Membrane Based on the Interfacial Crystal Growth of Lyotropic Two-Dimensional Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22793-22800.	4.0	36
23	High-flux underwater superoleophobic hybrid membranes for effective oilâ€water separation from oil-contaminated water. <i>RSC Advances</i> , 2017, 7, 9051-9056.	1.7	18
24	Template growth of Au, Ni and Niâ€Au nanoclusters on hexagonal boron nitride/Rh(111): a combined STM, TPD and AES study. <i>RSC Advances</i> , 2017, 7, 44169-44177.	1.7	6
25	Aqueous Exfoliation of Graphite into Graphene Assisted by Sulfonyl Graphene Quantum Dots for Photonic Crystal Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30797-30804.	4.0	42
26	Bowlics: history, advances and applications. <i>Liquid Crystals Today</i> , 2017, 26, 85-111.	2.3	33
27	CO Adsorption on Au Nanoparticles Grown on Hexagonal Boron Nitride/Rh(111). <i>Journal of Physical Chemistry C</i> , 2016, 120, 10909-10918.	1.5	27