# Dali Huang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6930225/publications.pdf

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| 27 | 725 | 471061 17 | 525886 27 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 27 | 27 | 27 | 1044 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Engineered two-dimensional nanomaterials: an emerging paradigm for water purification and monitoring. Materials Horizons, 2021, 8, 758-802. | 6.4 | 92 |
| 2 | Highly Biocompatible, Underwater Superhydrophilic and Multifunctional Biopolymer Membrane for Efficient Oilâ€“Water Separation and Aqueous Pollutant Removal. ACS Sustainable Chemistry and Engineering, 2018, 6, 3879-3887. | 3.2 | 82 |
| 3 | Synergistic High-flux Oilâ€“Saltwater Separation and Membrane Desalination with Carbon Quantum Dots Functionalized Membrane. ACS Sustainable Chemistry and Engineering, 2019, 7, 13708-13716. | 3.2 | 46 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Natural Halloysites-Based Janus Platelet Surfactants for the Formation of Pickering Emulsion and Enhanced Oil Recovery. Scientific Reports, 2019, 9, 163. | 1.6 | 34 |
| 8 | Bowlics: history, advances and applications. Liquid Crystals Today, 2017, 26, 85-111. | 2.3 | 33 |
| 9 | Electrostaticâ€Driven Dynamic Jamming of 2D Nanoparticles at Interfaces for Controlled Molecular Diffusion. Angewandte Chemie - International Edition, 2018, 57, 11752-11757. | 7.2 | 33 |
| 10 | Accelerated Design of Catalytic Water-Cleaning Nanomotors via Machine Learning. ACS Applied Materials & Interfaces, 2019, 11, 40099-40106. | 4.0 | 33 |
| 11 | CO Adsorption on Au Nanoparticles Grown on Hexagonal Boron Nitride/Rh(111). Journal of Physical Chemistry C, 2016, 120, 10909-10918. | 1.5 | 27 |
| 12 | 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 |
| 13 | Colloidal Nanosurfactants for 3D Conformal Printing of 2D van der Waals Materials. Advanced Materials, 2020, 32, e2003081. | 11.1 | 23 |
| 14 | Autonomous Catalytic Nanomotors Based on 2D Magnetic Nanoplates. ACS Applied Nano Materials, 2019, 2, 1267-1273. | 2.4 | 21 |
| 15 | Electrostaticâ€Driven Dynamic Jamming of 2D Nanoparticles at Interfaces for Controlled Molecular Diffusion. Angewandte Chemie, 2018, 130, 11926-11931. | 1.6 | 19 |
| 16 | Amphiphilicity-adaptable graphene quantum dots to stabilize pH-responsive pickering emulsions at a very low concentration. Journal of Colloid and Interface Science, 2021, 601, 106-113. | 5.0 | 19 |
| 17 | High-flux underwater superoleophobic hybrid membranes for effective oilâ€“water separation from oil-contaminated water. RSC Advances, 2017, 7, 9051-9056. | 1.7 | 18 |
| 18 | Facile one-step microwave-assisted modification of kaolinite and performance evaluation of pickering emulsion stabilization for oil recovery application. Journal of Environmental Management, 2019, 238, 257-262. | 3.8 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Biomimetic colloidal photonic crystals by coassembly of polystyrene nanoparticles and graphene quantum dots. RSC Advances, 2018, 8, 34839-34847. | 1.7 | 16 |
| 20 | Growth of Colloidal Nanoplate Liquid Crystals Using Temperature Gradients. ACS Nano, 2019, 13, 12461-12469. | 7.3 | 15 |
| 21 | Improving the stability of high expansion foam used for LNG vapor risk mitigation using exfoliated zirconium phosphate nanoplates. Chemical Engineering Research and Design, 2019, 123, 48-58. | 2.7 | 13 |
| 22 | Microwave Synthesis of MnO2-Lignin Composite Electrodes for Supercapacitors. Journal of Composites Science, 2021, 5, 216. | 1.4 | 11 |
| 23 | Zwitterionic Graphene Quantum Dots to Stabilize Pickering Emulsions for Controlled-Release Applications. ACS Applied Materials & Interfaces, 2022, 14, 7486-7492. | 4.0 | 10 |
| 24 | Template growth of Au, Ni and Niâ€“Au nanoclusters on hexagonal boron nitride/Rh(111): a combined STM, TPD and AES study. RSC Advances, 2017, 7, 44169-44177. | 1.7 | 6 |
| 25 | Biocompatible Herder for rapid oil spill treatment over a wide temperature range. Journal of Loss Prevention in the Process Industries, 2019, 62, 103948. | 1.7 | 5 |
| 26 | Microwave-assisted preparation of two-dimensional amphiphilic nanoplate herding surfactants for offshore oil spill treatment. Journal of Loss Prevention in the Process Industries, 2020, 66, 104213. | 1.7 | 4 |
| 27 | Modelling ice and wax formation in a pipeline in the Arctic environment. Journal of Loss Prevention in the Process Industries, 2020, 66, 104197. | 1.7 | 3 |