# Zhijie Yang

List of Publications by Year
in descending order

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Active Regulation of Supramolecular Chirality through Integration of CdSe/CdS Nanorods for Strong and Tunable Circular Polarized Luminescence. Journal of the American Chemical Society, 2022, 144, 2333-2342. | 6.6 | 31 |
| 2 | Chirality Inversion in Selfâ€Assembled Nanocomposites Directed by Curvatureâ€Mediated Interactions. Angewandte Chemie - International Edition, 2022, 61, e202117406. | 7.2 | 18 |
| 3 | Chirality Inversion in Selfâ€Assembled Nanocomposites Directed by Curvatureâ€Mediated Interactions. Angewandte Chemie, 2022, 134, . | 1.6 | 5 |
| 4 | Folding of two-dimensional nanoparticle superlattices enabled by emulsion-confined supramolecular co-assembly. Chemical Communications, 2022, 58, 3819-3822. | 2.2 | 0 |
| 5 | Chemically-Controlled Ultrafast Photothermal Response in Plasmonic Nanostructured Assemblies. Journal of Physical Chemistry C, 2022, 126, 6308-6317. | 1.5 | 9 |
| 6 | Surface Plasmon Resonance Properties of Silver Nanocrystal Superlattices Spaced by Polystyrene Ligands. Journal of Physical Chemistry C, 2022, 126, 4948-4958. | 1.5 | 3 |
| 7 | Energy Storage Application of All-Organic Polymer Dielectrics: A Review. Polymers, 2022, 14, 1160. | 2.0 | 29 |
| 8 | Diversifying Nanoparticle Superstructures and Functions Enabled by Translative Templating from Supramolecular Polymerization. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 10 |
| 9 | Self-assembled artificial enzyme from hybridized porous organic cages and iron oxide nanocrystals. Journal of Colloid and Interface Science, 2022, 621, 331-340. | 5.0 | 7 |
| 10 | Functional Droplets Stabilized by Interfacially Selfâ€Assembled Chiral Nanocomposites. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 3 |
| 11 | Selfâ€Assemblies of Fe<sub>3</sub>O<sub>4</sub> Nanocrystals: Toward Nanoscale Precision of Photothermal Effects in the Tumor Microenvironment. Advanced Functional Materials, 2021, 31, 2006824. | 7.8 | 35 |
| 12 | Dynamic emulsion droplets enabled by interfacial assembly of azobenzene-functionalized nanoparticles under light and magnetic field. Journal of Colloid and Interface Science, 2021, 583, 586-593. | 5.0 | 3 |
| 13 | Integrative self-assembly of covalent organic frameworks and fluorescent molecules for ultrasensitive detection of a nerve agent simulant. Science China Materials, 2021, 64, 1189-1196. | 3.5 | 5 |
| 14 | Water Dispersive Suprastructures: An Organizational Impact on Nanomechanical Properties. Advanced Materials Interfaces, 2021, 8, 2001687. | 1.9 | 8 |
| 15 | Hierarchically Porous Organic Cages. Angewandte Chemie - International Edition, 2021, 60, 12490-12497. | 7.2 | 43 |
| 16 | Hierarchically Porous Organic Cages. Angewandte Chemie, 2021, 133, 12598-12605. | 1.6 | 7 |
| 17 | Chiral Metal Nanoparticle Superlattices Enabled by Porphyrinâ€Based Supramolecular Structures. Angewandte Chemie - International Edition, 2021, 60, 14671-14678. | 7.2 | 32 |
| 18 | Chiral Metal Nanoparticle Superlattices Enabled by Porphyrinâ€Based Supramolecular Structures. Angewandte Chemie, 2021, 133, 14792-14799. | 1.6 | 6 |

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|---|---|---|---|
| 19 | Simultaneous Size- and Phase-Controlled Synthesis of Metal Oxide Nanocrystals through Esterification Reactions. Crystal Growth and Design, 2021, 21, 4564-4570. | 1.4 | 4 |
| 20 | Quantitative evaluation of groundwater and surface water interaction characteristics during a dry season. Water and Environment Journal, 2021, 35, 1348-1361. | 1.0 | 10 |
| 21 | Self-Assembled Open Porous Nanoparticle Superstructures. Journal of the American Chemical Society, 2021, 143, 11662-11669. | 6.6 | 19 |
| 22 | CdSe 1D/2D Mixedâ€Dimensional Heterostructures: Curvatureâ€Complementary Selfâ€Assembly for Enhanced Visibleâ€Light Photocatalysis. Small, 2021, 17, 2102047. | 5.2 | 12 |
| 23 | Effect of humidity on the microstructure and energy storage properties of polyetherimide. Applied Physics Letters, 2021, 119, . | 1.5 | 7 |
| 24 | Effects of the mechanical response of low-permeability sandstone reservoirs on CO2 geological storage based on laboratory experiments and numerical simulations. Science of the Total Environment, 2021, 796, 149066. | 3.9 | 13 |
| 25 | Spectrophotometric Determination of p-Nitrophenol under ENP Interference. Journal of Analytical Methods in Chemistry, 2021, 2021, 1-9. | 0.7 | 18 |
| 26 | Building ordered nanoparticle assemblies inspired by atomic epitaxy. Physical Chemistry Chemical Physics, 2021, 23, 20028-20037. | 1.3 | 1 |
| 27 | An Electrocatalytic Reaction As a Basis for Chemical Computing in Water Droplets. Journal of the American Chemical Society, 2021, 143, 16908-16912. | 6.6 | 9 |
| 28 | Shape-Controlled Self-Assembly of Truncated Octahedral Nanocrystals into Supracrystals. Journal of Physical Chemistry C, 2021, 125, 26942-26950. | 1.5 | 2 |
| 29 | Controlled Synthesis of Au Chiral Propellers from Seeded Growth of Au Nanoplates for Chiral Differentiation of Biomolecules. Journal of Physical Chemistry C, 2020, 124, 24306-24314. | 1.5 | 35 |
| 30 | Dimensionality-controlled self-assembly of CdSe nanorods into discrete suprastructures within emulsion droplets. New Journal of Chemistry, 2020, 44, 21112-21118. | 1.4 | 1 |
| 31 | Anisotropic Assembly of Nanocrystal/Molecular Hierarchical Superlattices Decoding from Trisâ€Amide Triarylamines Supramolecular Networks. Small, 2020, 16, 2005701. | 5.2 | 10 |
| 32 | Colloidal Surface Engineering: Growth of Layered Double Hydroxides with Intrinsic Oxidaseâ€Mimicking Activities to Fight Against Bacterial Infection in Wound Healing. Advanced Healthcare Materials, 2020, 9, e2000092. | 3.9 | 22 |
| 33 | Intracellular Fate of Hydrophobic Nanocrystal Selfâ€Assemblies in Tumor Cells. Advanced Functional Materials, 2020, 30, 2004274. | 7.8 | 18 |
| 34 | Discrete Supracrystalline Heterostructures from Integrative Assembly of Nanocrystals and Porous Organic Cages. ACS Nano, 2020, 14, 5517-5528. | 7.3 | 14 |
| 35 | Faceted Colloidal Au/Fe<sub>3</sub>O<sub>4</sub> Binary Supracrystals Dictated by Intrinsic Lattice Structures and Their Collective Optical Properties. Journal of Physical Chemistry C, 2020, 124, 14775-14786. | 1.5 | 14 |
| 36 | Controlled syntheses of monodispersed metal oxide nanocrystals from bulk metal oxide materials. CrystEngComm, 2020, 22, 4790-4796. | 1.3 | 7 |

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|---|---|---|---|
| 37 | Boosting the photocatalytic performances of covalent organic frameworks enabled by spatial modulation of plasmonic nanocrystals. Applied Catalysis B: Environmental, 2020, 272, 119035. | 10.8 | 38 |
| 38 | Understanding of Long-Term CO<sub>2</sub>-Brine-Rock Geochemical Reactions Using Numerical Modeling and Natural Analogue Study. Geofluids, 2019, 2019, 1-16. | 0.3 | 10 |
| 39 | Numerical Simulation of the Influence of Geological CO<sub>2</sub> Storage on the Hydrodynamic Field of a Reservoir. Geofluids, 2019, 2019, 1-21. | 0.3 | 1 |
| 40 | A Study on the CO2-Enhanced Water Recovery Efficiency and Reservoir Pressure Control Strategies. Geofluids, 2019, 2019, 1-17. | 0.3 | 5 |
| 41 | Hierarchical Sheet-on-Sphere Heterostructures as Supports for Metal Nanoparticles: A Robust Catalyst System. Catalysis Letters, 2019, 149, 2492-2499. | 1.4 | 1 |
| 42 | Dynamic covalent chemistry steers synchronizing nanoparticle self-assembly with interfacial polymerization. Communications Chemistry, 2019, 2, . | 2.0 | 12 |
| 43 | Stretchable and Reactive Membranes of Metalâ€“Organic Framework Nanosurfactants on Liquid Droplets Enable Dynamic Control of Selfâ€Propulsion, Cargo Pickâ€Up, and Dropâ€Off. Advanced Intelligent Systems, 2019, 1, 1900065. | 3.3 | 5 |
| 44 | Synthesis of catalytically active bimetallic nanoparticles within solution-processable metalâ€“organic-framework scaffolds. CrystEngComm, 2019, 21, 3954-3960. | 1.3 | 7 |
| 45 | Buckling of Two-Dimensional Colloidal Nanoplatelets in Confined Space To Design Heterogeneous Catalysts. Chemistry of Materials, 2019, 31, 3812-3817. | 3.2 | 8 |
| 46 | Lightâ€“heat conversion dynamics in highly diversified water-dispersed hydrophobic nanocrystal assemblies. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8161-8166. | 3.3 | 27 |
| 47 | A one-pot general strategy towards the synthesis of coreâ€“satellite suprastructures. CrystEngComm, 2019, 21, 1335-1339. | 1.3 | 1 |
| 48 | Do Binary Supracrystals Enhance the Crystal Stability?. Journal of Physical Chemistry C, 2018, 122, 13515-13521. | 1.5 | 6 |
| 49 | Systems of mechanized and reactive droplets powered by multi-responsive surfactants. Nature, 2018, 553, 313-318. | 13.7 | 162 |
| 50 | Control and Switching of Charge-Selective Catalysis on Nanoparticles by Counterions. ACS Catalysis, 2018, 8, 7469-7474. | 5.5 | 20 |
| 51 | Interference-like patterns of static magnetic fields imprinted into polymer/nanoparticle composites. Nature Communications, 2017, 8, 1564. | 5.8 | 18 |
| 52 | 3D superlattices of uniform metal nanocrystals differing by their sizes called binary supracrystals. Europhysics Letters, 2017, 119, 38005. | 0.7 | 3 |
| 53 | Dispersion of Hydrophobic Co Supracrystal in Aqueous Solution. ACS Nano, 2016, 10, 2277-2286. | 7.3 | 16 |
| 54 | Thermal Stability of CoAu<sub>13</sub> Binary Nanoparticle Superlattices under the Electron Beam. Chemistry of Materials, 2016, 28, 716-719. | 3.2 | 13 |

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| 55 | Supracrystalline Colloidal Eggs: Epitaxial Growth and Freestanding Three-Dimensional Supracrystals in Nanoscaled Colloidosomes. Journal of the American Chemical Society, 2016, 138, 3493-3500. | 6.6 | 65 |
| 56 | Hierarchical mechanical behavior of cobalt supracrystals related to nanocrystallinity. Nano Research, 2015, 8, 3480-3487. | 5.8 | 16 |
| 57 | Engineering the Magnetic Dipolar Interactions in 3D Binary Supracrystals Via Mesoscale Alloying. Advanced Functional Materials, 2015, 25, 4908-4915. | 7.8 | 26 |
| 58 | Control of the Oxygen and Cobalt Atoms Diffusion through Co Nanoparticles Differing by Their Crystalline Structure and Size. Advanced Functional Materials, 2015, 25, 891-897. | 7.8 | 34 |
| 59 | Nano Kirkendall Effect Related to Nanocrystallinity of Metal Nanocrystals: Influence of the Outward and Inward Atomic Diffusion on the Final Nanoparticle Structure. Journal of Physical Chemistry C, 2015, 119, 22249-22260. | 1.5 | 47 |
| 60 | Beyond Entropy: Magnetic Forces Induce Formation of Quasicrystalline Structure in Binary Nanocrystal Superlattices. Journal of the American Chemical Society, 2015, 137, 4487-4493. | 6.6 | 52 |
| 61 | Metalâ€“Metal Binary Nanoparticle Superlattices: A Case Study of Mixing Co and Ag Nanoparticles. Chemistry of Materials, 2015, 27, 2152-2157. | 3.2 | 18 |
| 62 | Crystal polymorphism: dependence of oxygen diffusion through 2D ordered Co nanocrystals. Physical Chemistry Chemical Physics, 2014, 16, 9791. | 1.3 | 13 |
| 63 | Unusual Effect of an Electron Beam on the Formation of Core/Shell (Co/CoO) Nanoparticles Differing by Their Crystalline Structures. Chemistry of Materials, 2013, 25, 2372-2377. | 3.2 | 23 |
| 64 | Nanocrystallinity and the Ordering of Nanoparticles in Two-Dimensional Superlattices: Controlled Formation of Either Core/Shell (Co/CoO) or Hollow CoO Nanocrystals. ACS Nano, 2013, 7, 1342-1350. | 7.3 | 48 |
| 65 | A Phase-Solution Annealing Strategy to Control the Cobalt Nanocrystal Anisotropy: Structural and Magnetic Investigations. Journal of Physical Chemistry C, 2012, 116, 15723-15730. | 1.5 | 26 |
| 66 | Effects of a conversion from grassland to cropland on the different soil organic carbon fractions in Inner Mongolia, China. Journal of Chinese Geography, 2012, 22, 315-328. | 1.5 | 23 |
| 67 | Formation of catalytically active CeO2 hollow nanoparticles guided by oriented attachment. Materials Letters, 2012, 84, 77-80. | 1.3 | 13 |
| 68 | Controllable synthesis of Î³-AlOOH micro/nanoarchitectures via a one-step solution route. CrystEngComm, 2011, 13, 2445. | 1.3 | 24 |
| 69 | A mild solution strategy for the synthesis of mesoporous CeO2 nanoflowers derived from Ce(HCOO)3. CrystEngComm, 2011, 13, 4950. | 1.3 | 40 |
| 70 | Fabrication of three dimensional CeO2 hierarchical structures: Precursor template synthesis, formation mechanism and properties. CrystEngComm, 2011, 13, 2418. | 1.3 | 54 |
| 71 | Monodisperse CeO<sub>2</sub> subâ€micro spherical aggregates with controllable building blocks. Crystal Research and Technology, 2011, 46, 201-204. | 0.6 | 4 |
| 72 | Preparation of CeO2 hollow spheres via a surfactant-assisted solvothermal route. Journal of Materials Science, 2010, 45, 4158-4162. | 1.7 | 12 |

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| 73 | Shape-controlled synthesis of manganese oxide nanoplates by a polyol-based precursor route. Materials Letters, 2010, 64, 891-893. | 1.3 | 24 |
| 74 | Solvothermal synthesis of In(OH)3 nanorods and their conversion to In2O3. Materials Letters, 2010, 64, 1418-1420. | 1.3 | 15 |
| 75 | Facile synthesis of MnCO3 hollow dumbbells and their conversion to manganese oxide. Materials Letters, 2010, 64, 2060-2063. | 1.3 | 27 |
| 76 | Facile hydrothermal synthesis of uniform 3D Î³â€AlOOH architectures assembled by nanosheets. Crystal Research and Technology, 2010, 45, 195-198. | 0.6 | 12 |
| 77 | Hydrothermal synthesis of ultralong singleâ€crystalline Î±â€Ni(OH)<sub>2</sub> nanobelts and corresponding porous NiO nanobelts. Crystal Research and Technology, 2010, 45, 661-666. | 0.6 | 15 |
| 78 | Mesoporous CeO<sub>2</sub> Hollow Spheres Prepared by Ostwald Ripening and Their Environmental Applications. European Journal of Inorganic Chemistry, 2010, 2010, 3354-3359. | 1.0 | 110 |
| 79 | One-pot hydrothermal synthesis of CeO2 hollow microspheres. Journal of Crystal Growth, 2010, 312, 426-430. | 0.7 | 18 |
| 80 | Fabrication of porous - microflowers by a facile template-free method. Superlattices and Microstructures, 2010, 48, 569-576. | 1.4 | 9 |
| 81 | The dynamic response of soil respiration to landâ€use changes in subtropical China. Global Change Biology, 2010, 16, 1107-1121. | 4.2 | 162 |
| 82 | Fabrication of Monodisperse CeO<sub>2</sub> Hollow Spheres Assembled by Nano-octahedra. Crystal Growth and Design, 2010, 10, 291-295. | 1.4 | 121 |
| 83 | Hydrothermal synthesis of monodisperse CeO2 nanocubes. Materials Letters, 2009, 63, 1774-1777. | 1.3 | 45 |
| 84 | Diversifying Nanoparticle Superstructures and Functions Enabled by Translative Templating from Supramolecular Polymerization. Angewandte Chemie, 0, , . | 1.6 | 0 |