# Miao Yu

## List of Publications by Year in descending order



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|---|---|---|---|
| 96 papers | 4,904 citations | 87843 38 h-index | 95218 68 g-index |
| 98 all docs | 98 docs citations | 98 times ranked | 7289 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | One-step production of O-N-S co-doped three-dimensional hierarchical porous carbons for high-performance supercapacitors. Nano Energy, 2018, 47, 547-555. | 8.2 | 547 |
| 2 | Three-dimensional scaffolding framework of porous carbon nanosheets derived from plant wastes for high-performance supercapacitors. Nano Energy, 2016, 27, 377-389. | 8.2 | 391 |
| 3 | True Nature of an Archetypal Self-Assembly System: Mobile Au-Thiolate Species on Au(111). Physical Review Letters, 2006, 97, 166102. | 2.9 | 239 |
| 4 | Multifunctional Bismuth Selenide Nanocomposites for Antitumor Thermo-Chemotherapy and Imaging. ACS Nano, 2016, 10, 984-997. | 7.3 | 234 |
| 5 | Multimodal Imaging-Guided Antitumor Photothermal Therapy and Drug Delivery Using Bismuth Selenide Spherical Sponge. ACS Nano, 2016, 10, 9646-9658. | 7.3 | 175 |
| 6 | Sulphur-doped carbon nanosheets derived from biomass as high-performance anode materials for sodium-ion batteries. Nano Energy, 2020, 67, 104219. | 8.2 | 143 |
| 7 | iASPP Is an Antioxidative Factor and Drives Cancer Growth and Drug Resistance by Competing with Nrf2 for Keap1 Binding. Cancer Cell, 2017, 32, 561-573.e6. | 7.7 | 130 |
| 8 | Dual-Stimuli Responsive Bismuth Nanoraspberries for Multimodal Imaging and Combined Cancer Therapy. Nano Letters, 2018, 18, 6778-6788. | 4.5 | 116 |
| 9 | Phaseâ€Transition Induced Conversion into a Photothermal Material: Quasiâ€Metallic WO<sub>2.9</sub> Nanorods for Solar Water Evaporation and Anticancer Photothermal Therapy. Angewandte Chemie - International Edition, 2018, 57, 10666-10671. | 7.2 | 104 |
| 10 | Carbon dots-fed Shewanella oneidensis MR-1 for bioelectricity enhancement. Nature Communications, 2020, 11, 1379. | 5.8 | 97 |
| 11 | Dual-phase molybdenum nitride nanorambutans for solar steam generation under one sun illumination. Nano Energy, 2019, 57, 842-850. | 8.2 | 96 |
| 12 | Highly porous PEGylated Bi<sub>2</sub>S<sub>3</sub>nano-urchins as a versatile platform for in vivo triple-modal imaging, photothermal therapy and drug delivery. Nanoscale, 2016, 8, 16005-16016. | 2.8 | 90 |
| 13 | Biowaste-Derived Hierarchical Porous Carbon Nanosheets for Ultrahigh Power Density Supercapacitors. ChemSusChem, 2018, 11, 1678-1685. | 3.6 | 90 |
| 14 | One-pot green synthesis of bimetallic hollow palladium-platinum nanotubes for enhanced catalytic reduction of p-nitrophenol. Journal of Colloid and Interface Science, 2019, 539, 161-167. | 5.0 | 90 |
| 15 | Photothermal conversion-coordinated Fenton-like and photocatalytic reactions of Cu2-xSe-Au Janus nanoparticles for tri-combination antitumor therapy. Biomaterials, 2020, 255, 120167. | 5.7 | 89 |
| 16 | A solution to break the salt barrier for high-rate sustainable solar desalination. Energy and Environmental Science, 2021, 14, 2451-2459. | 15.6 | 87 |
| 17 | Ti-modified hierarchical mordenite as highly active catalyst for oxidative desulfurization of dibenzothiophene. Fuel, 2016, 174, 9-16. | 3.4 | 86 |
| 18 | Nitrogen-doped carbon dots with excitation-independent long-wavelength emission produced by a room-temperature reaction. Chemical Communications, 2016, 52, 11912-11914. | 2.2 | 83 |

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|---|---|---|---|
| 19 | Biocompatible PEGylated bismuth nanocrystals: â€œAll-in-oneâ€•theranostic agent with triple-modal imaging and efficient inÂvivo photothermal ablation of tumors. Biomaterials, 2017, 141, 284-295. | 5.7 | 81 |
| 20 | Sensitive Room Temperature Photoluminescence-Based Sensing of H<sub>2</sub>S with Novel CuOâ€“ZnO Nanorods. ACS Applied Materials & Interfaces, 2016, 8, 16379-16385. | 4.0 | 74 |
| 21 | The polyvinylpyrrolidone functionalized rGO/Bi<sub>2</sub>S<sub>3</sub>nanocomposite as a near-infrared light-responsive nanovehicle for chemo-photothermal therapy of cancer. Nanoscale, 2016, 8, 11531-11542. | 2.8 | 71 |
| 22 | Multifunctional Bi@PPy-PEG Coreâ€“Shell Nanohybrids for Dual-Modal Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2018, 10, 1605-1615. | 4.0 | 71 |
| 23 | Ultrahigh-sensitive optical temperature sensing based on ferroelectric Pr3+-doped (K0.5Na0.5)NbO3. Applied Physics Letters, 2016, 108, . | 1.5 | 69 |
| 24 | Design and mechanism of coreâ€“shell TiO<sub>2</sub> nanoparticles as a high-performance photothermal agent. Nanoscale, 2017, 9, 16183-16192. | 2.8 | 61 |
| 25 | Lowâ€Cost Highâ€Performance Zinc Antimonide Thin Films for Thermoelectric Applications. Advanced Materials, 2012, 24, 1693-1696. | 11.1 | 60 |
| 26 | Enhanced ethanol sensing properties of ultrathin ZnO nanosheets decorated with CuO nanoparticles. Sensors and Actuators B: Chemical, 2018, 255, 3384-3390. | 4.0 | 55 |
| 27 | Low-Temperature Solution Synthesis of Black Phosphorus from Red Phosphorus: Crystallization Mechanism and Lithium Ion Battery Applications. Journal of Physical Chemistry Letters, 2020, 11, 2708-2716. | 2.1 | 52 |
| 28 | Porous Ultrathin NiSe Nanosheet Networks on Nickel Foam for Highâ€Performance Hybrid Supercapacitors. ChemSusChem, 2020, 13, 260-266. | 3.6 | 50 |
| 29 | Guanine- and Potassium-Based Two-Dimensional Coordination Network Self-Assembled on Au(111). Journal of the American Chemical Society, 2010, 132, 15927-15929. | 6.6 | 49 |
| 30 | Supramolecular Architectures on Surfaces Formed through Hydrogen Bonding Optimized in Three Dimensions. ACS Nano, 2010, 4, 4097-4109. | 7.3 | 48 |
| 31 | Gold modified polydopamine coated mesoporous silica nano-structures for synergetic chemo-photothermal effect. Colloids and Surfaces B: Biointerfaces, 2018, 171, 176-185. | 2.5 | 48 |
| 32 | Upregulation of MiR-205 under hypoxia promotes epithelialâ€“mesenchymal transition by targeting ASPP2. Cell Death and Disease, 2016, 7, e2517-e2517. | 2.7 | 46 |
| 33 | Supramolecular Porous Network Formed by Molecular Recognition between Chemically Modified Nucleobases Guanine and Cytosine. Angewandte Chemie - International Edition, 2010, 49, 9373-9377. | 7.2 | 45 |
| 34 | SnSe@SnO<sub>2</sub> coreâ€“shell nanocomposite for synchronous photothermalâ€“photocatalytic production of clean water. Environmental Science: Nano, 2019, 6, 1507-1515. | 2.2 | 45 |
| 35 | Humanâ€Serumâ€Albuminâ€Coated Prussian Blue Nanoparticles as pHâ€Thermotriggered Drugâ€Delivery Vehicles for Cancer Thermochemotherapy. Particle and Particle Systems Characterization, 2016, 33, 53-62. | 1.2 | 42 |
| 36 | Long-range ordered and atomic-scale control of graphene hybridization by photocycloaddition. Nature Chemistry, 2020, 12, 1035-1041. | 6.6 | 41 |

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|---|---|---|---|
| 37 | Highly efficient photothermal sterilization of water mediated by Prussian blue nanocages. Environmental Science: Nano, 2018, 5, 1161-1168. | 2.2 | 39 |
| 38 | The Structure of Atomic Sulfur Phases on Au(111). Journal of Physical Chemistry C, 2007, 111, 10904-10914. | 1.5 | 38 |
| 39 | Polyethylene glycol-modified cobalt sulfide nanosheets for high-performance photothermal conversion and photoacoustic/magnetic resonance imaging. Nano Research, 2018, 11, 2436-2449. | 5.8 | 36 |
| 40 | UV photocatalytic activity of Au@ZnO coreâ€“shell nanostructure with enhanced UV emission. RSC Advances, 2015, 5, 65595-65599. | 1.7 | 34 |
| 41 | Interactions of the baicalin and baicalein with bilayer lipid membranes investigated by cyclic voltammetry and UVâ€“Vis spectroscopy. Bioelectrochemistry, 2014, 95, 29-33. | 2.4 | 33 |
| 42 | Structure Investigation of Ag(111)(âˆš7Ã—âˆš7)R19Â°-SCH3by X-ray Standing Waves:Â A Case of Thiol-Induced Substrate Reconstruction. Journal of Physical Chemistry B, 2006, 110, 2164-2170. | 1.2 | 31 |
| 43 | From zero to two dimensions: supramolecular nanostructures formed from perylene-3,4,9,10-tetracarboxylic diimide (PTCDI) and Ni on the Au(111) surface through the interplay between hydrogen-bonding and electrostatic metal-organic interactions. Nano Research, 2012, 5, 903-916. | 5.8 | 31 |
| 44 | Enhanced Multiferroic and Magnetocapacitive Properties of (1Âˆ’x)<scp><scp>Ba</scp></scp><sub>0.7</sub><scp><scp>Ca</scp></scp><sub>0.3</sub><scp><scp>TiO</scp></scp><sub>3</sub>–x<scp><scp>Ni</scp></scp><sub>0.5</sub><scp><scp>Mn</scp></scp><sub>0.5</sub><scp><scp>O</scp></scp><sub>3</sub> Ceramics. Journal of the American Ceramic Society, 2014, 97, 816-825. | 1.9 | 30 |
| 45 | STM manipulation of molecular moulds on metal surfaces. Nano Research, 2009, 2, 254-259. | 5.8 | 29 |
| 46 | Phaseâ€Transition Induced Conversion into a Photothermal Material: Quasiâ€Metallic WO 2.9 Nanorods for Solar Water Evaporation and Anticancer Photothermal Therapy. Angewandte Chemie, 2018, 130, 10826-10831. | 1.6 | 29 |
| 47 | Scanning Tunneling Microscopy Investigation of the Structure of Methanethiolate on Ag(111). Langmuir, 2005, 21, 7285-7291. | 1.6 | 28 |
| 48 | Atomic-scale structures and interactions between the guanine quartet and potassium. Chemical Communications, 2013, 49, 7210. | 2.2 | 26 |
| 49 | Oxidative coupling of anilines to azobenzenes using heterogeneous manganese oxide catalysts. Catalysis Science and Technology, 2016, 6, 1940-1945. | 2.1 | 26 |
| 50 | Apoptosis-Promoting Effects of Hematoporphyrin Monomethyl Ether-Sonodynamic Therapy (HMME-SDT) on Endometrial Cancer. PLoS ONE, 2015, 10, e0137980. | 1.1 | 26 |
| 51 | Increasing throughput of AFM-based single cell adhesion measurements through multisubstrate surfaces. Beilstein Journal of Nanotechnology, 2015, 6, 157-166. | 1.5 | 25 |
| 52 | Incident fluence dependent morphologies, photoluminescence and optical oxygen sensing properties of ZnO nanorods grown by pulsed laser deposition. Journal of Materials Chemistry C, 2015, 3, 2557-2562. | 2.7 | 24 |
| 53 | White-light-emitting properties of SrTiO<sub>3</sub>:Pr<sup>3+</sup> nanoparticles. RSC Advances, 2015, 5, 27491-27495. | 1.7 | 24 |
| 54 | Prussian blue-encapsulated Fe3O4 nanoparticles for reusable photothermal sterilization of water. Journal of Colloid and Interface Science, 2019, 540, 354-361. | 5.0 | 24 |

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| 55 | Pr<sup>3+</sup>-Doped (K<sub>0.5</sub>Na<sub>0.5</sub>)NbO<sub>3</sub> as a high response optical oxygen sensing agent. Journal of Materials Chemistry C, 2016, 4, 11508-11513. | 2.7 | 22 |
| 56 | Coreâ€“Shell Bi<sub>2</sub>Se<sub>3</sub>@mSiO<sub>2</sub>â€PEG as a Multifunctional Drugâ€Delivery Nanoplatform for Synergistic Thermoâ€Chemotherapy with Infrared Thermal Imaging of Cancer Cells. Particle and Particle Systems Characterization, 2018, 35, 1700337. | 1.2 | 22 |
| 57 | Self-assembly of hydrogen-bonded chains of molecular landers. Chemical Communications, 2010, 46, 5545. | 2.2 | 21 |
| 58 | Diameter-optimized high-order waveguide nanorods for fluorescence enhancement applied in ultrasensitive bioassays. Nanoscale, 2019, 11, 14322-14329. | 2.8 | 21 |
| 59 | ZnO Nanorod Array Grown on Ag Layer: A Highly Efficient Fluorescence Enhancement Platform. Scientific Reports, 2015, 5, 8152. | 1.6 | 20 |
| 60 | Xanthine Quartets on Au(111). Journal of the American Chemical Society, 2018, 140, 54-57. | 6.6 | 20 |
| 61 | Cobalt Phosphide Nanoparticles Applied as a Theranostic Agent for Multimodal Imaging and Anticancer Photothermal Therapy. Particle and Particle Systems Characterization, 2018, 35, 1800127. | 1.2 | 20 |
| 62 | Identifying the convergent reaction path from predesigned assembled structures: Dissymmetrical dehalogenation of Br2Py on Ag(111). Nano Research, 0, , 1. | 5.8 | 20 |
| 63 | Rechargeable Mg-Ion Full Battery System with High Capacity and High Rate. ACS Applied Materials & Interfaces, 2021, 13, 40451-40459. | 4.0 | 19 |
| 64 | Homochiral Xanthine Quintet Networks Self-Assembled on Au(111) Surfaces. ACS Nano, 2011, 5, 6651-6660. | 7.3 | 18 |
| 65 | In PC3 prostate cancer cells ephrin receptors crosstalk to Î²1-integrins to strengthen adhesion to collagen type I. Scientific Reports, 2015, 5, 8206. | 1.6 | 18 |
| 66 | Mesoporous silica-coated bismuth nanohybrids as a new platform for photoacoustic/computed tomography imaging and synergistic chemophotothermal therapy. Nanomedicine, 2018, 13, 2283-2300. | 1.7 | 18 |
| 67 | Ultrafast plasmonic lasing from a metal/semiconductor interface. Nanoscale, 2020, 12, 16403-16408. | 2.8 | 18 |
| 68 | Structural Investigation of the Interaction of Molecular Sulfur with Ag(111). Journal of Physical Chemistry C, 2007, 111, 3152-3162. | 1.5 | 16 |
| 69 | EGR-1/ASPP1 inter-regulatory loop promotes apoptosis by inhibiting cyto-protective autophagy. Cell Death and Disease, 2017, 8, e2869-e2869. | 2.7 | 14 |
| 70 | Epigenetic silencing of ASPP1 confers 5â€FU resistance in clear cell renal cell carcinoma by preventing p53 activation. International Journal of Cancer, 2017, 141, 1422-1433. | 2.3 | 14 |
| 71 | HDAC1-induced epigenetic silencing of ASPP2 promotes cell motility, tumour growth and drug resistance in renal cell carcinoma. Cancer Letters, 2018, 432, 121-131. | 3.2 | 13 |
| 72 | One-step production of carbon nanocages for supercapacitors and sodium-ion batteries. Journal of Electroanalytical Chemistry, 2020, 878, 114551. | 1.9 | 13 |

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|---|---|---|---|
| 73 | Au@SiO2 core/shell nanoparticle-decorated TiO2 nanorod arrays for enhanced photoelectrochemical water splitting. Science Bulletin, 2014, 59, 2191-2198. | 1.7 | 12 |
| 74 | Hierarchical porous graphitic carbon for high-performance supercapacitors at high temperature. RSC Advances, 2017, 7, 34488-34496. | 1.7 | 12 |
| 75 | NIR-responsive reversible phase transition of supramolecular hydrogels for tumor treatment. Journal of Materials Chemistry B, 2020, 8, 6429-6437. | 2.9 | 12 |
| 76 | Onâ€Surface Decarboxylation Coupling Facilitated by Lockâ€toâ€Unlock Variation of Molecules upon the Reaction. Angewandte Chemie - International Edition, 2021, 60, 17435-17439. | 7.2 | 12 |
| 77 | Formation of Hypoxanthine Tetrad by Reaction with Sodium Chloride: From Planar to Stereo. Angewandte Chemie - International Edition, 2018, 57, 16015-16019. | 7.2 | 11 |
| 78 | Grapheneâ€Like Covalent Organic Framework with a Wide Band Gap Synthesized On Surface via Stepwise Reactions. Angewandte Chemie - International Edition, 2020, 59, 15958-15962. | 7.2 | 10 |
| 79 | Structure of the Pentylthiolate Self-Assembled Monolayer on Ag(111). Journal of Physical Chemistry C, 2007, 111, 10040-10048. | 1.5 | 9 |
| 80 | Growth and thermoelectric properties of FeSb2 films produced by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2011, 104, 883-887. | 1.1 | 9 |
| 81 | Raman study of bromine-doped single-walled carbon nanotubes under high pressure. Journal of Physics Condensed Matter, 2002, 14, 11255-11259. | 0.7 | 8 |
| 82 | Antibacterial Agâ€“SiO2 composite films synthesized by pulsed laser deposition. Materials Letters, 2014, 130, 79-82. | 1.3 | 8 |
| 83 | Subsurfaceâ€Carbonâ€Induced Local Charge of Copper for an Onâ€Surface Displacement Reaction. Angewandte Chemie - International Edition, 2021, 60, 23123-23127. | 7.2 | 6 |
| 84 | Molecular recognition and homochirality preservation of guanine tetrads in the presence of melamine. Nano Research, 2020, 13, 2427-2430. | 5.8 | 5 |
| 85 | Formation of Hypoxanthine Tetrad by Reaction with Sodium Chloride: From Planar to Stereo. Angewandte Chemie, 2018, 130, 16247-16251. | 1.6 | 4 |
| 86 | Inhibition of Lysozyme Fibrillation by Gold Nanorods and Nanoparticles. Journal of Nanoscience and Nanotechnology, 2018, 18, 3087-3094. | 0.9 | 4 |
| 87 | Au@MnSe<sub>2</sub> Coreâ€“Shell Nanoagent Enabling Immediate Generation of Hydroxyl Radicals and Simultaneous Glutathione Deletion Free of Preâ€Reaction for Chemodynamicâ€Photothermoâ€Photocatalytic Therapy with Significant Immune Response. Advanced Healthcare Materials, 2022, 11, e2200041. | 3.9 | 4 |
| 88 | An efficient dual functional Raman and Fluorescence detection platform achieved by controlling the electromagnetic enhanced field in three-dimensional Ag/ZnO composited arrays. Materials Advances, 2022, 3, 4520-4525. | 2.6 | 3 |
| 89 | Aqueous Nickel-Ion Batteries with Long Lifetime, High Capacity, and High Rate Capability Based on K<sub>2</sub>V<sub>6</sub>O<sub>16</sub>·1.64H<sub>2</sub>O Cathodes. Energy & Fuels, 0, , . | 2.5 | 3 |
| 90 | Onâ€Surface Decarboxylation Coupling Facilitated by Lockâ€toâ€Unlock Variation of Molecules upon the Reaction. Angewandte Chemie, 2021, 133, 17575-17579. | 1.6 | 2 |

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|---|---|---|---|
| 91 | Fabrication of Co0.85Se@CN double-walled hollow cages to address the volume expansion of anode and enhance ion diffusion for sodium-ion storage. Electrochimica Acta, 2022, 426, 140839. | 2.6 | 2 |
| 92 | Three-dimensional hydrogen bonding between Landers and planar molecules facilitated by electrostatic interactions with Ni adatoms. Chemical Communications, 2018, 54, 8845-8848. | 2.2 | 1 |
| 93 | Grapheneâ€Like Covalent Organic Framework with a Wide Band Gap Synthesized On Surface via Stepwise Reactions. Angewandte Chemie, 2020, 132, 16092-16096. | 1.6 | 1 |
| 94 | Superâ€robust Xanthineâ€Sodium Complexes on Au(111). Angewandte Chemie - International Edition, 2022, , . | 7.2 | 1 |
| 95 | Subsurfaceâ€Carbonâ€Induced Local Charge of Copper for an Onâ€Surface Displacement Reaction. Angewandte Chemie, 2021, 133, 23307. | 1.6 | 0 |
| 96 | Superâ€robust Xanthineâ€Sodium Complexes on Au(111). Angewandte Chemie, 0, , . | 1.6 | 0 |