

# Miao Yu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93  
papers

3,649  
citations

32  
h-index

58  
g-index

98  
ext. papers

4,345  
ext. citations

8.9  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
93	Au@MnSe Core-Shell Nanoagent Enabling Immediate Generation of Hydroxyl Radicals and Simultaneous Glutathione Depletion Free of Pre-Reaction for Chemodynamic-Photothermo-Photocatalytic Therapy with Significant Immune Response.. <i>Advanced Healthcare Materials</i> , <b>2022</b> , e2200041	10.1	0
92	On-Surface Decarboxylation Coupling Facilitated by Lock-to-Unlock Variation of Molecules upon the Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17435-17439	16.4	4
91	On-Surface Decarboxylation Coupling Facilitated by Lock-to-Unlock Variation of Molecules upon the Reaction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17575-17579	3.6	2
90	A solution to break the salt barrier for high-rate sustainable solar desalination. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 2451-2459	35.4	17
89	Rechargeable Mg-Ion Full Battery System with High Capacity and High Rate. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 40451-40459	9.5	6
88	Subsurface-Carbon-Induced Local Charge of Copper for an On-Surface Displacement Reaction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23307	3.6	
87	Subsurface-Carbon-Induced Local Charge of Copper for an On-Surface Displacement Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23123-23127	16.4	0
86	Ultrafast plasmonic lasing from a metal/semiconductor interface. <i>Nanoscale</i> , <b>2020</b> , 12, 16403-16408	7.7	10
85	Molecular recognition and homochirality preservation of guanine tetrads in the presence of melamine. <i>Nano Research</i> , <b>2020</b> , 13, 2427-2430	10	1
84	Photothermal conversion-coordinated Fenton-like and photocatalytic reactions of CuSe-Au Janus nanoparticles for tri-combination antitumor therapy. <i>Biomaterials</i> , <b>2020</b> , 255, 120167	15.6	41
83	Graphene-Like Covalent Organic Framework with a Wide Band Gap Synthesized On Surface via Stepwise Reactions. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16092-16096	3.6	
82	Graphene-Like Covalent Organic Framework with a Wide Band Gap Synthesized On Surface via Stepwise Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15958-15962	16.4	5
81	NIR-responsive reversible phase transition of supramolecular hydrogels for tumor treatment. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 6429-6437	7.3	4
80	Carbon dots-fed <i>Shewanella oneidensis</i> MR-1 for bioelectricity enhancement. <i>Nature Communications</i> , <b>2020</b> , 11, 1379	17.4	38
79	Low-Temperature Solution Synthesis of Black Phosphorus from Red Phosphorus: Crystallization Mechanism and Lithium Ion Battery Applications. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 2708-2714	6.4	25
78	Sulphur-doped carbon nanosheets derived from biomass as high-performance anode materials for sodium-ion batteries. <i>Nano Energy</i> , <b>2020</b> , 67, 104219	17.1	75
77	Long-range ordered and atomic-scale control of graphene hybridization by photocycloaddition. <i>Nature Chemistry</i> , <b>2020</b> , 12, 1035-1041	17.6	19

76	One-step production of carbon nanocages for supercapacitors and sodium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 878, 114551	4.1	4
75	Porous Ultrathin NiSe Nanosheet Networks on Nickel Foam for High-Performance Hybrid Supercapacitors. <i>ChemSusChem</i> , <b>2020</b> , 13, 260-266	8.3	26
74	SnSe@SnO <sub>2</sub> core-shell nanocomposite for synchronous photothermal-photocatalytic production of clean water. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1507-1515	7.1	31
73	Diameter-optimized high-order waveguide nanorods for fluorescence enhancement applied in ultrasensitive bioassays. <i>Nanoscale</i> , <b>2019</b> , 11, 14322-14329	7.7	16
72	One-pot green synthesis of bimetallic hollow palladium-platinum nanotubes for enhanced catalytic reduction of p-nitrophenol. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 539, 161-167	9.3	66
71	Dual-phase molybdenum nitride nanorambutans for solar steam generation under one sun illumination. <i>Nano Energy</i> , <b>2019</b> , 57, 842-850	17.1	70
70	Prussian blue-encapsulated FeO nanoparticles for reusable photothermal sterilization of water. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 540, 354-361	9.3	12
69	One-step production of O-N-S co-doped three-dimensional hierarchical porous carbons for high-performance supercapacitors. <i>Nano Energy</i> , <b>2018</b> , 47, 547-555	17.1	374
68	Biowaste-Derived Hierarchical Porous Carbon Nanosheets for Ultrahigh Power Density Supercapacitors. <i>ChemSusChem</i> , <b>2018</b> , 11, 1678-1685	8.3	71
67	Multifunctional Bi@PPy-PEG Core-Shell Nanohybrids for Dual-Modal Imaging and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1605-1615	9.5	61
66	Xanthine Quartets on Au(111). <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 54-57	16.4	15
65	Highly efficient photothermal sterilization of water mediated by Prussian blue nanocages. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 1161-1168	7.1	28
64	Enhanced ethanol sensing properties of ultrathin ZnO nanosheets decorated with CuO nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 3384-3390	8.5	40
63	Gold modified polydopamine coated mesoporous silica nano-structures for synergetic chemo-photothermal effect. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 171, 176-185	6	33
62	Three-dimensional hydrogen bonding between Landers and planar molecules facilitated by electrostatic interactions with Ni adatoms. <i>Chemical Communications</i> , <b>2018</b> , 54, 8845-8848	5.8	1
61	Phase-Transition Induced Conversion into a Photothermal Material: Quasi-Metallic WO <sub>2.9</sub> Nanorods for Solar Water Evaporation and Anticancer Photothermal Therapy. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10826-10831	3.6	21
60	Phase-Transition Induced Conversion into a Photothermal Material: Quasi-Metallic WO Nanorods for Solar Water Evaporation and Anticancer Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10666-10671	16.4	75
59	Inhibition of Lysozyme Fibrillation by Gold Nanorods and Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 3087-3094	1.3	2

58	HDAC1-induced epigenetic silencing of ASPP2 promotes cell motility, tumour growth and drug resistance in renal cell carcinoma. <i>Cancer Letters</i> , <b>2018</b> , 432, 121-131	9.9	10
57	Polyethylene glycol-modified cobalt sulfide nanosheets for high-performance photothermal conversion and photoacoustic/magnetic resonance imaging. <i>Nano Research</i> , <b>2018</b> , 11, 2436-2449	10	25
56	Core-shell Bi <sub>2</sub> Se <sub>3</sub> @mSiO <sub>2</sub> -PEG as a Multifunctional Drug-Delivery Nanoplatfom for Synergistic Thermo-Chemotherapy with Infrared Thermal Imaging of Cancer Cells. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1700337	3.1	18
55	Dual-Stimuli Responsive Bismuth Nanoraspberries for Multimodal Imaging and Combined Cancer Therapy. <i>Nano Letters</i> , <b>2018</b> , 18, 6778-6788	11.5	84
54	Formation of Hypoxanthine Tetrad by Reaction with Sodium Chloride: From Planar to Stereo. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16247-16251	3.6	2
53	Formation of Hypoxanthine Tetrad by Reaction with Sodium Chloride: From Planar to Stereo. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16015-16019	16.4	7
52	Mesoporous silica-coated bismuth nanohybrids as a new platform for photoacoustic/computed tomography imaging and synergistic chemophotothermal therapy. <i>Nanomedicine</i> , <b>2018</b> , 13, 2283-2300	5.6	13
51	Cobalt Phosphide Nanoparticles Applied as a Theranostic Agent for Multimodal Imaging and Anticancer Photothermal Therapy. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800127	3.1	16
50	EGR-1/ASPP1 inter-regulatory loop promotes apoptosis by inhibiting cyto-protective autophagy. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e2869	9.8	6
49	iASPP Is an Antioxidative Factor and Drives Cancer Growth and Drug Resistance by Competing with Nrf2 for Keap1 Binding. <i>Cancer Cell</i> , <b>2017</b> , 32, 561-573.e6	24.3	75
48	Biocompatible PEGylated bismuth nanocrystals: "All-in-one" theranostic agent with triple-modal imaging and efficient in vivo photothermal ablation of tumors. <i>Biomaterials</i> , <b>2017</b> , 141, 284-295	15.6	61
47	Hierarchical porous graphitic carbon for high-performance supercapacitors at high temperature. <i>RSC Advances</i> , <b>2017</b> , 7, 34488-34496	3.7	9
46	Epigenetic silencing of ASPP1 confers 5-FU resistance in clear cell renal cell carcinoma by preventing p53 activation. <i>International Journal of Cancer</i> , <b>2017</b> , 141, 1422-1433	7.5	13
45	Design and mechanism of core-shell TiO nanoparticles as a high-performance photothermal agent. <i>Nanoscale</i> , <b>2017</b> , 9, 16183-16192	7.7	48
44	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. <i>Nanoscale</i> , <b>2016</b> , 8, 16005-16	7.7	76
43	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. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 11508-11513	7.1	20
42	Sensitive Room Temperature Photoluminescence-Based Sensing of H <sub>2</sub> S with Novel CuO-ZnO Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16379-85	9.5	60
41	Multifunctional Bismuth Selenide Nanocomposites for Antitumor Thermo-Chemotherapy and Imaging. <i>ACS Nano</i> , <b>2016</b> , 10, 984-97	16.7	199

40	Ti-modified hierarchical mordenite as highly active catalyst for oxidative desulfurization of dibenzothiophene. <i>Fuel</i> , <b>2016</b> , 174, 9-16	7.1	74
39	Oxidative coupling of anilines to azobenzenes using heterogeneous manganese oxide catalysts. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1940-1945	5.5	17
38	Upregulation of MiR-205 under hypoxia promotes epithelial-mesenchymal transition by targeting ASPP2. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2517	9.8	34
37	Ultrahigh-sensitive optical temperature sensing based on ferroelectric Pr <sup>3+</sup> -doped (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2016</b> , 108, 061902	3.4	61
36	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. <i>Nanoscale</i> , <b>2016</b> , 8, 11531-42	7.7	59
35	Nitrogen-doped carbon dots with excitation-independent long-wavelength emission produced by a room-temperature reaction. <i>Chemical Communications</i> , <b>2016</b> , 52, 11912-11914	5.8	72
34	Multimodal Imaging-Guided Antitumor Photothermal Therapy and Drug Delivery Using Bismuth Selenide Spherical Sponge. <i>ACS Nano</i> , <b>2016</b> , 10, 9646-9658	16.7	157
33	Three-dimensional scaffolding framework of porous carbon nanosheets derived from plant wastes for high-performance supercapacitors. <i>Nano Energy</i> , <b>2016</b> , 27, 377-389	17.1	304
32	Human-Serum-Albumin-Coated Prussian Blue Nanoparticles as pH-/Thermotriggred Drug-Delivery Vehicles for Cancer Thermochemotherapy. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 53-62 <sup>2,1</sup>		36
31	White-light-emitting properties of SrTiO <sub>3</sub> :Pr <sup>3+</sup> nanoparticles. <i>RSC Advances</i> , <b>2015</b> , 5, 27491-27495	3.7	21
30	UV photocatalytic activity of Au@ZnO core-shell nanostructure with enhanced UV emission. <i>RSC Advances</i> , <b>2015</b> , 5, 65595-65599	3.7	30
29	In PC3 prostate cancer cells ephrin receptors crosstalk to $\beta$ -integrins to strengthen adhesion to collagen type I. <i>Scientific Reports</i> , <b>2015</b> , 5, 8206	4.9	13
28	Increasing throughput of AFM-based single cell adhesion measurements through multisubstrate surfaces. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 157-66	3	20
27	Incident fluence dependent morphologies, photoluminescence and optical oxygen sensing properties of ZnO nanorods grown by pulsed laser deposition. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2557-2562	7.1	22
26	ZnO nanorod array grown on Ag layer: a highly efficient fluorescence enhancement platform. <i>Scientific Reports</i> , <b>2015</b> , 5, 8152	4.9	18
25	Apoptosis-Promoting Effects of Hematoporphyrin Monomethyl Ether-Sonodynamic Therapy (HMME-SDT) on Endometrial Cancer. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137980	3.7	21
24	Enhanced Multiferroic and Magnetocapacitive Properties of (1-x)Ba <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> -xBiFeO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 816-825	3.8	24
23	Interactions of the baicalin and baicalein with bilayer lipid membranes investigated by cyclic voltammetry and UV-Vis spectroscopy. <i>Bioelectrochemistry</i> , <b>2014</b> , 95, 29-33	5.6	26

22	Au@SiO <sub>2</sub> core/shell nanoparticle-decorated TiO <sub>2</sub> nanorod arrays for enhanced photoelectrochemical water splitting. <i>Science Bulletin</i> , <b>2014</b> , 59, 2191-2198		12
21	Antibacterial Ag <sub>2</sub> SiO <sub>2</sub> composite films synthesized by pulsed laser deposition. <i>Materials Letters</i> , <b>2014</b> , 130, 79-82	3.3	7
20	Atomic-scale structures and interactions between the guanine quartet and potassium. <i>Chemical Communications</i> , <b>2013</b> , 49, 7210-2	5.8	23
19	Low-cost high-performance zinc antimonide thin films for thermoelectric applications. <i>Advanced Materials</i> , <b>2012</b> , 24, 1693-6	24	54
18	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. <i>Nano Research</i> , <b>2012</b> , 5, 903-916	10	28
17	Growth and thermoelectric properties of FeSb <sub>2</sub> films produced by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 104, 883-887	2.6	8
16	Homochiral xanthine quintet networks self-assembled on Au(111) surfaces. <i>ACS Nano</i> , <b>2011</b> , 5, 6651-60	16.7	18
15	Guanine- and potassium-based two-dimensional coordination network self-assembled on Au(111). <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15927-9	16.4	46
14	Supramolecular architectures on surfaces formed through hydrogen bonding optimized in three dimensions. <i>ACS Nano</i> , <b>2010</b> , 4, 4097-109	16.7	47
13	Self-assembly of hydrogen-bonded chains of molecular landers. <i>Chemical Communications</i> , <b>2010</b> , 46, 5545-7	5.8	17
12	Supramolecular Porous Network Formed by Molecular Recognition between Chemically Modified Nucleobases Guanine and Cytosine. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 9563-9567	3.6	9
11	Supramolecular porous network formed by molecular recognition between chemically modified nucleobases guanine and cytosine. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9373-7	16.4	41
10	STM manipulation of molecular moulds on metal surfaces. <i>Nano Research</i> , <b>2009</b> , 2, 254-259	10	27
9	The Structure of Atomic Sulfur Phases on Au(111). <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 10904-10914	3.8	37
8	Structural Investigation of the Interaction of Molecular Sulfur with Ag(111). <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 3152-3162	3.8	15
7	Structure of the Pentylthiolate Self-Assembled Monolayer on Ag(111). <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 10040-10048	3.8	8
6	True nature of an archetypal self-assembly system: mobile Au-thiolate species on Au(111). <i>Physical Review Letters</i> , <b>2006</b> , 97, 166102	7.4	233
5	Structure investigation of Ag(111)(radical <sub>7</sub> × radical <sub>7</sub> )R19 degrees -SCH <sub>3</sub> by X-ray standing waves: a case of thiol-induced substrate reconstruction. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 2164-70	3.4	31

4	Scanning tunneling microscopy investigation of the structure of methanethiolate on Ag(111). <i>Langmuir</i> , <b>2005</b> , 21, 7285-91	4	28
3	Raman study of bromine-doped single-walled carbon nanotubes under high pressure. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 11255-11259	1.8	7
2	Identifying the convergent reaction path from predesigned assembled structures: Dissymmetrical dehalogenation of Br <sub>2</sub> Py on Ag(111). <i>Nano Research</i> , 1	10	7
1	An efficient dual functional Raman and Fluorescence detection platform achieved by controlling the electromagnetic enhanced field in three-dimensional Ag/ZnO composited arrays. <i>Materials Advances</i> ,	3.3	0