

# Yijing Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

110  
papers

14,227  
citations

20797

60  
h-index

21521

114  
g-index

117  
all docs

117  
docs citations

117  
times ranked

14122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photothermal therapy and photoacoustic imaging <i>via</i> nanotheranostics in fighting cancer. <i>Chemical Society Reviews</i> , 2019, 48, 2053-2108.	18.7	2,033
2	Simultaneous Fenton-Like Ion Delivery and Glutathione Depletion by MnO <sub>2</sub> -Based Nanoagent to Enhance Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4902-4906.	7.2	1,068
3	Synthesis of Copper Peroxide Nanodots for H <sub>2</sub> O <sub>2</sub> Self-Supplying Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 9937-9945.	6.6	759
4	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1229-1233.	7.2	505
5	Fenton-Reaction-Acceleratable Magnetic Nanoparticles for Ferroptosis Therapy of Orthotopic Brain Tumors. <i>ACS Nano</i> , 2018, 12, 11355-11365.	7.3	449
6	Biomimetic Mineralization-Inspired Synthesis of Copper Sulfide-Ferritin Nanocages as Cancer Theranostics. <i>ACS Nano</i> , 2016, 10, 3453-3460.	7.3	328
7	Self-Assembly of Inorganic Nanoparticle Vesicles and Tubules Driven by Tethered Linear Block Copolymers. <i>Journal of the American Chemical Society</i> , 2012, 134, 11342-11345.	6.6	286
8	Self-Assembly of Amphiphilic Plasmonic Micelle-Like Nanoparticles in Selective Solvents. <i>Journal of the American Chemical Society</i> , 2013, 135, 7974-7984.	6.6	251
9	Multifunctional Theranostic Nanoparticles Based on Exceedingly Small Magnetic Iron Oxide Nanoparticles for T <sub>1</sub> -Weighted Magnetic Resonance Imaging and Chemotherapy. <i>ACS Nano</i> , 2017, 11, 10992-11004.	7.3	239
10	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. <i>Journal of the American Chemical Society</i> , 2018, 140, 8005-8019.	6.6	227
11	Tumor-Specific Drug Release and Reactive Oxygen Species Generation for Cancer Chemo/Chemodynamic Combination Therapy. <i>Advanced Science</i> , 2019, 6, 1801986.	5.6	221
12	Nanotechnology-Enhanced No-Wash Biosensors for <i>in Vitro</i> Diagnostics of Cancer. <i>ACS Nano</i> , 2017, 11, 5238-5292.	7.3	208
13	Antitumor Activity of a Unique Polymer That Incorporates a Fluorescent Self-Assembled Metallacycle. <i>Journal of the American Chemical Society</i> , 2017, 139, 15940-15949.	6.6	203
14	Solvent-Assisted Self-Assembly of a Metal-Organic Framework Based Biocatalyst for Cascade Reaction Driven Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 6822-6832.	6.6	201
15	A discrete organoplatinum(II) metallacycle as a multimodality theranostic platform for cancer photochemotherapy. <i>Nature Communications</i> , 2018, 9, 4335.	5.8	197
16	Simultaneous Fenton-Like Ion Delivery and Glutathione Depletion by MnO <sub>2</sub> -Based Nanoagent to Enhance Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2018, 130, 4996-5000.	1.6	195
17	Intertwining DNA-RNA nanocapsules loaded with tumor neoantigens as synergistic nanovaccines for cancer immunotherapy. <i>Nature Communications</i> , 2017, 8, 1482.	5.8	193
18	Polyrotaxane-based supramolecular theranostics. <i>Nature Communications</i> , 2018, 9, 766.	5.8	191

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19	Coreâ€‘Satellite Polydopamineâ€‘Gadoliniumâ€‘Metallofullerene Nanotheranostics for Multimodal Imaging Guided Combination Cancer Therapy. <i>Advanced Materials</i> , 2017, 29, 1701013.	11.1	185
20	Biodegradable Hollow Mesoporous Organosilica Nanotheranostics for Mild Hyperthermia-Induced Bubble-Enhanced Oxygen-Sensitized Radiotherapy. <i>ACS Nano</i> , 2018, 12, 1580-1591.	7.3	172
21	NIRâ€‘Responsive Onâ€‘Demand Release of CO from Metal Carbonylâ€‘Caged Graphene Oxide Nanomedicine. <i>Advanced Materials</i> , 2015, 27, 6741-6746.	11.1	168
22	<i>In Situ</i> Dendritic Cell Vaccine for Effective Cancer Immunotherapy. <i>ACS Nano</i> , 2019, 13, 3083-3094.	7.3	164
23	Multiplexed NIRâ€‘I Probes for Lymph Nodeâ€‘Invaded Cancer Detection and Imagingâ€‘Guided Surgery. <i>Advanced Materials</i> , 2020, 32, e1907365.	11.1	163
24	Folding Up of Gold Nanoparticle Strings into Plasmonic Vesicles for Enhanced Photoacoustic Imaging. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15809-15812.	7.2	161
25	A Catalaseâ€‘Like Metalâ€‘Organic Framework Nanohybrid for O <sub>2</sub> â€‘Evolving Synergistic Chemoradiotherapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8752-8756.	7.2	154
26	A bi-adjuvant nanovaccine that potentiates immunogenicity of neoantigen for combination immunotherapy of colorectal cancer. <i>Science Advances</i> , 2020, 6, eaaw6071.	4.7	152
27	An Enzyme-Free Signal Amplification Technique for Ultrasensitive Colorimetric Assay of Disease Biomarkers. <i>ACS Nano</i> , 2017, 11, 2052-2059.	7.3	150
28	Microneedle-array patches loaded with dual mineralized protein/peptide particles for type 2 diabetes therapy. <i>Nature Communications</i> , 2017, 8, 1777.	5.8	146
29	A novel self-assembled sandwich nanomedicine for NIR-responsive release of NO. <i>Nanoscale</i> , 2015, 7, 20055-20062.	2.8	142
30	Wet/Sonoâ€‘Chemical Synthesis of Enzymatic Twoâ€‘Dimensional MnO <sub>2</sub> Nanosheets for Synergistic Catalysisâ€‘Enhanced Phototheranostics. <i>Advanced Materials</i> , 2019, 31, e1900401.	11.1	139
31	Cooperative Assembly of Magneto-Nanovesicles with Tunable Wall Thickness and Permeability for MRI-Guided Drug Delivery. <i>Journal of the American Chemical Society</i> , 2018, 140, 4666-4677.	6.6	138
32	Nearâ€‘Infrared Semiconducting Polymer Brush and pH/GSHâ€‘Responsive Polyoxometalate Cluster Hybrid Platform for Enhanced Tumorâ€‘Specific Phototheranostics. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14101-14105.	7.2	138
33	Enhanced Afterglow Performance of Persistent Luminescence Implants for Efficient Repeatable Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 5864-5872.	7.3	136
34	Tri-stimuli-responsive biodegradable theranostics for mild hyperthermia enhanced chemotherapy. <i>Biomaterials</i> , 2017, 126, 39-48.	5.7	135
35	Rational Design of Branched Nanoporous Gold Nanoshells with Enhanced Physico-Optical Properties for Optical Imaging and Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 6102-6113.	7.3	133
36	Glutathione-Responsive Self-Assembled Magnetic Gold Nanowreath for Enhanced Tumor Imaging and Imaging-Guided Photothermal Therapy. <i>ACS Nano</i> , 2018, 12, 8129-8137.	7.3	131

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37	Entropy-Driven Pattern Formation of Hybrid Vesicular Assemblies Made from Molecular and Nanoparticle Amphiphiles. <i>Journal of the American Chemical Society</i> , 2014, 136, 2602-2610.	6.6	126
38	Suppressing Nanoparticle-Mononuclear Phagocyte System Interactions of Two-Dimensional Gold Nanorings for Improved Tumor Accumulation and Photothermal Ablation of Tumors. <i>ACS Nano</i> , 2017, 11, 10539-10548.	7.3	117
39	Artificial local magnetic field inhomogeneity enhances T2 relaxivity. <i>Nature Communications</i> , 2017, 8, 15468.	5.8	114
40	Generic synthesis of small-sized hollow mesoporous organosilica nanoparticles for oxygen-independent X-ray-activated synergistic therapy. <i>Nature Communications</i> , 2019, 10, 1241.	5.8	112
41	Double-layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8110-8114.	7.2	107
42	Yolk-Shell Nanostructure: An Ideal Architecture to Achieve Harmonious Integration of Magnetic-Plasmonic Hybrid Theranostic Platform. <i>Advanced Materials</i> , 2017, 29, 1606681.	11.1	106
43	Hybrid Nanomedicine Fabricated from Photosensitizer-Terminated Metal-Organic Framework Nanoparticles for Photodynamic Therapy and Hypoxia-Activated Cascade Chemotherapy. <i>Small</i> , 2019, 15, e1804131.	5.2	105
44	Magneto-Plasmonic Janus Vesicles for Magnetic Field-Enhanced Photoacoustic and Magnetic Resonance Imaging of Tumors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15297-15300.	7.2	102
45	Stimuli-Responsive Nanotheranostics for Real-Time Monitoring Drug Release by Photoacoustic Imaging. <i>Theranostics</i> , 2019, 9, 526-536.	4.6	98
46	Dotted Core-Shell Nanoparticles for T <sub>1</sub> -Weighted MRI of Tumors. <i>Advanced Materials</i> , 2018, 30, e1803163.	11.1	96
47	Cooperation of endogenous and exogenous reactive oxygen species induced by zinc peroxide nanoparticles to enhance oxidative stress-based cancer therapy. <i>Theranostics</i> , 2019, 9, 7200-7209.	4.6	96
48	Enzyme-induced in vivo assembly of gold nanoparticles for imaging-guided synergistic chemo-photothermal therapy of tumor. <i>Biomaterials</i> , 2019, 223, 119460.	5.7	90
49	Acidity/Reducibility Dual-Responsive Hollow Mesoporous Organosilica Nanoplatfoms for Tumor-Specific Self-Assembly and Synergistic Therapy. <i>ACS Nano</i> , 2018, 12, 12269-12283.	7.3	86
50	Continuous Microfluidic Self-Assembly of Hybrid Janus-Like Vesicular Motors: Autonomous Propulsion and Controlled Release. <i>Small</i> , 2015, 11, 3762-3767.	5.2	80
51	Silver Nanocluster-Embedded Zein Films as Antimicrobial Coating Materials for Food Packaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35297-35304.	4.0	80
52	In situ polymerization on nanoscale metal-organic frameworks for enhanced physiological stability and stimulus-responsive intracellular drug delivery. <i>Biomaterials</i> , 2019, 218, 119365.	5.7	80
53	Self-Assembly of Semiconducting-Plasmonic Gold Nanoparticles with Enhanced Optical Property for Photoacoustic Imaging and Photothermal Therapy. <i>Theranostics</i> , 2017, 7, 2177-2185.	4.6	79
54	Tumour microenvironment-responsive semiconducting polymer-based self-assembling nanotheranostics. <i>Nanoscale Horizons</i> , 2019, 4, 426-433.	4.1	75

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55	A General Approach to Synthesize Asymmetric Hybrid Nanoparticles by Interfacial Reactions. <i>Journal of the American Chemical Society</i> , 2012, 134, 3639-3642.	6.6	72
56	“Three-in-one” Nanohybrids as Synergistic Nanoquenchers to Enhance No-Wash Fluorescence Biosensors for Ratiometric Detection of Cancer Biomarkers. <i>Theranostics</i> , 2018, 8, 3461-3473.	4.6	72
57	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. <i>Angewandte Chemie</i> , 2017, 129, 1249-1253.	1.6	70
58	Organosilica-Based Hollow Mesoporous Bilirubin Nanoparticles for Antioxidation-Activated Self-Protection and Tumor-Specific Deoxygenation-Driven Synergistic Therapy. <i>ACS Nano</i> , 2019, 13, 8903-8916.	7.3	70
59	Catalytic Propulsion and Magnetic Steering of Soft, Patchy Microcapsules: Ability to Pick-Up and Drop-Off Microscale Cargo. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15676-15683.	4.0	69
60	Cascade Reactions Catalyzed by Planar Metal-Organic Framework Hybrid Architecture for Combined Cancer Therapy. <i>Small</i> , 2020, 16, e2004016.	5.2	64
61	Concurrent self-assembly of amphiphiles into nanoarchitectures with increasing complexity. <i>Nano Today</i> , 2015, 10, 278-300.	6.2	62
62	Early stratification of radiotherapy response by activatable inflammation magnetic resonance imaging. <i>Nature Communications</i> , 2020, 11, 3032.	5.8	62
63	Small-sized gadolinium oxide based nanoparticles for high-efficiency theranostics of orthotopic glioblastoma. <i>Biomaterials</i> , 2020, 235, 119783.	5.7	61
64	A supramolecular hybrid material constructed from graphene oxide and a pillar[6]arene-based host-guest complex as an ultrasound and photoacoustic signal nanoamplifier. <i>Materials Horizons</i> , 2018, 5, 429-435.	6.4	59
65	Synchronous Chemoradiation Nanovesicles by X-Ray Triggered Cascade of Drug Release. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8463-8467.	7.2	59
66	Near-infrared light-responsive vesicles of Au nanoflowers. <i>Chemical Communications</i> , 2013, 49, 576-578.	2.2	57
67	Advanced nanocarrier- and microneedle-based transdermal drug delivery strategies for skin diseases treatment. <i>Theranostics</i> , 2022, 12, 3372-3406.	4.6	57
68	DNA-inorganic hybrid nanovaccine for cancer immunotherapy. <i>Nanoscale</i> , 2016, 8, 6684-6692.	2.8	54
69	Core-shell metal-organic frameworks with fluorescence switch to trigger an enhanced photodynamic therapy. <i>Theranostics</i> , 2019, 9, 2791-2799.	4.6	53
70	X-ray-Controlled Bilayer Permeability of Bionic Nanocapsules Stabilized by Nucleobase Pairing Interactions for Pulsatile Drug Delivery. <i>Advanced Materials</i> , 2019, 31, e1903443.	11.1	51
71	Inorganic Nanoparticles Applied as Functional Therapeutics. <i>Advanced Functional Materials</i> , 2021, 31, 2008171.	7.8	51
72	Asymmetric organic/metal(oxide) hybrid nanoparticles: synthesis and applications. <i>Nanoscale</i> , 2013, 5, 5151.	2.8	50

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73	One-pot facile synthesis of Janus particles with tailored shape and functionality. <i>Chemical Communications</i> , 2011, 47, 12450.	2.2	49
74	Synthesis of Platinum Nanotubes and Nanorings via Simultaneous Metal Alloying and Etching. <i>Journal of the American Chemical Society</i> , 2016, 138, 6332-6335.	6.6	49
75	Tumor Microenvironment-Activated Ultrasensitive Nanoprobes for Specific Detection of Intratumoral Glutathione by Ratiometric Photoacoustic Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 27558-27567.	4.0	46
76	Wetâ€Chemical Synthesis of Amphiphilic Rodlike Silica Particles and their Molecular Mimetic Assembly in Selective Solvents. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3628-3633.	7.2	45
77	Selfâ€Assembly of Amphiphilic Block Copolymerâ€Ethered Nanoparticles: a New Approach to Nanoscale Design of Functional Materials. <i>Macromolecular Rapid Communications</i> , 2015, 36, 711-725.	2.0	44
78	Development of Sialic Acid-coated Nanoparticles for Targeting Cancer and Efficient Evasion of the Immune System. <i>Theranostics</i> , 2017, 7, 962-973.	4.6	42
79	Exceedingly Small Gadolinium Oxide Nanoparticles with Remarkable Relaxivities for Magnetic Resonance Imaging of Tumors. <i>Small</i> , 2019, 15, e1903422.	5.2	40
80	A pH-responsive Pickering Nanoemulsion for specified spatial delivery of Immune Checkpoint Inhibitor and Chemotherapy agent to Tumors. <i>Theranostics</i> , 2020, 10, 9956-9969.	4.6	40
81	Surface engineering of magnetic iron oxide nanoparticles by polymer grafting: synthesis progress and biomedical applications. <i>Nanoscale</i> , 2020, 12, 14957-14975.	2.8	39
82	Biodegradable hollow manganese/cobalt oxide nanoparticles for tumor theranostics. <i>Nanoscale</i> , 2019, 11, 23021-23026.	2.8	35
83	Gadolinium Metallofullereneâ€Based Activatable Contrast Agent for Tumor Signal Amplification and Monitoring of Drug Release. <i>Small</i> , 2019, 15, 1900691.	5.2	34
84	A Catalaseâ€Like Metalâ€Organic Framework Nanohybrid for O <sub>2</sub> â€Evolving Synergistic Chemoradiotherapy. <i>Angewandte Chemie</i> , 2019, 131, 8844-8848.	1.6	33
85	Hierarchical Assembly of Bioactive Amphiphilic Molecule Pairs into Supramolecular Nanofibril Self-Supportive Scaffolds for Stem Cell Differentiation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15027-15034.	6.6	32
86	Collapsed polymer-directed synthesis of multicomponent coaxial-like nanostructures. <i>Nature Communications</i> , 2016, 7, 12147.	5.8	32
87	Gadolinium Metallofullerene-Polypyrrole Nanoparticles for Activatable Dual-Modal Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28382-28389.	4.0	32
88	Nearâ€Infrared Semiconducting Polymer Brush and pH/GSHâ€Responsive Polyoxometalate Cluster Hybrid Platform for Enhanced Tumorâ€Specific Phototheranostics. <i>Angewandte Chemie</i> , 2018, 130, 14297-14301.	1.6	29
89	Pyridylâ€Substituted Corrole Isomers: Synthesis and their Regulation to Gâ€Quadruplex Structures. <i>Chemistry - an Asian Journal</i> , 2010, 5, 114-122.	1.7	25
90	Doubleâ€Layered Plasmonicâ€Magnetic Vesicles by Selfâ€Assembly of Janus Amphiphilic Goldâ€Iron(II,III) Oxide Nanoparticles. <i>Angewandte Chemie</i> , 2017, 129, 8222-8226.	1.6	25

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91	Controllable self-assembled plasmonic vesicle-based three-dimensional SERS platform for picomolar detection of hydrophobic contaminants. <i>Nanoscale</i> , 2018, 10, 13202-13211.	2.8	25
92	Reprogrammable ultra-fast shape-transformation of macroporous composite hydrogel sheets. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2883-2887.	2.9	23
93	Giant soft-memory in liquid crystal nanocomposites. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	20
94	Converting Red Blood Cells to Efficient Microreactors for Blood Detoxification. <i>Advanced Materials</i> , 2017, 29, 1603673.	11.1	15
95	Formation of hybrid core-shell microgels induced by autonomous unidirectional migration of nanoparticles. <i>Materials Horizons</i> , 2016, 3, 78-82.	6.4	14
96	A shape-shifting composite hydrogel sheet with spatially patterned plasmonic nanoparticles. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1679-1683.	2.9	13
97	A photothermally responsive nanoprobe for bioimaging based on Edman degradation. <i>Nanoscale</i> , 2016, 8, 10553-10557.	2.8	12
98	Magneto-plasmonic Janus Vesicles for Magnetic Field-Enhanced Photoacoustic and Magnetic Resonance Imaging of Tumors. <i>Angewandte Chemie</i> , 2016, 128, 15523-15526.	1.6	12
99	Synthesis of biocompatible polymeric nanomaterial dually loaded with paclitaxel and nitric oxide for anti-MDR cancer therapy. <i>RSC Advances</i> , 2016, 6, 105871-105877.	1.7	11
100	Temporal-spatially transformed synthesis and formation mechanism of gold bellflowers. <i>Nanoscale</i> , 2016, 8, 7430-7434.	2.8	9
101	Efficient screening of spherical nucleic acids. <i>Nature Biomedical Engineering</i> , 2019, 3, 257-258.	11.6	9
102	Hyaluronidase-Functionalized Silica Nanocarrier for Enhanced Chemo-Immunotherapy through Inducing Immunogenic Cell Death. <i>ACS Applied Bio Materials</i> , 2020, 3, 3378-3389.	2.3	9
103	Entropy-driven segregation and budding in hybrid vesicles of binary nanoparticle amphiphiles. <i>Giant</i> , 2020, 1, 100010.	2.5	8
104	In Vivo Imaging: Multiplexed NIR Probes for Lymph Node-Invaded Cancer Detection and Imaging-Guided Surgery (Adv. Mater. 11/2020). <i>Advanced Materials</i> , 2020, 32, 2070086.	11.1	6
105	Biphasic synthesis of biodegradable urchin-like mesoporous organosilica nanoparticles for enhanced cellular internalization and precision cascaded therapy. <i>Biomaterials Science</i> , 2021, 9, 2584-2597.	2.6	6
106	Synchronous Chemoradiation Nanovesicles by X-Ray Triggered Cascade of Drug Release. <i>Angewandte Chemie</i> , 2018, 130, 8599-8603.	1.6	4
107	Alkynyl silver modified chitosan and its potential applications in food area. <i>Carbohydrate Polymers</i> , 2021, 254, 117416.	5.1	4
108	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy (Angew. Chem. 5/2017). <i>Angewandte Chemie</i> , 2017, 129, 1446-1446.	1.6	2

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109	Synthesis, Self-Assembly, and Applications of Amphiphilic Janus and Triblock Janus Nanoparticle Analogs. , 2017, , 233-275.		0
110	Editorial: Enzyme-Based Smart Materials. Frontiers in Chemistry, 2021, 9, 815071.	1.8	0