

Huiyu Liu

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.

89
papers

6,391
citations

39
h-index

79
g-index

92
ext. papers

7,695
ext. citations

11.5
avg, IF

5.99
L-index

#	Paper	IF	Citations
89	Bioinspired Five-Coordinated Single-Atom Iron Nanozyme for Tumor Catalytic Therapy.. <i>Advanced Materials</i> , 2022 , e2107088	24	20
88	Ultrasml Fe-doped carbon dots nanozymes for photoenhanced antibacterial therapy and wound healing.. <i>Bioactive Materials</i> , 2022 , 12, 246-256	16.7	18
87	DNA Logic Circuits for Cancer Theranostics.. <i>Small</i> , 2022 , e2108008	11	5
86	Nanozymes: A Photoresponsive Nanozyme for Synergistic Catalytic Therapy and Dual Phototherapy (Small 10/2021). <i>Small</i> , 2021 , 17, 2170042	11	1
85	NIR Laser-Triggered Microneedle-Based Liquid Band-Aid for Wound Care. <i>Advanced Functional Materials</i> , 2021 , 31, 2100218	15.6	18
84	Surface Wettability of Nanoparticle Modulated Sonothrombolysis. <i>Advanced Materials</i> , 2021 , 33, e2007077	17	8
83	Photo-responsive nanozymes: Mechanism, activity regulation, and biomedical applications. <i>View</i> , 2021 , 2, 20200045	7.8	9
82	Oxidation Etching-Induced Post-Crystallization of Palladium Nanosheets for Efficient Catalytic Hydrogenation. <i>Small</i> , 2021 , 17, e2006624	11	5
81	Solvent-Dependent Adsorption-Driven Mechanism for MOFs-Based Yolk-Shell Nanostructures. <i>Angewandte Chemie</i> , 2021 , 133, 7881-7887	3.6	1
80	Solvent-Dependent Adsorption-Driven Mechanism for MOFs-Based Yolk-Shell Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7802-7808	16.4	8
79	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021 , 1, 9-20		13
78	Molecular Imaging-Guided Sonodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2021 ,	6.3	3
77	A Photoresponsive Nanozyme for Synergistic Catalytic Therapy and Dual Phototherapy. <i>Small</i> , 2021 , 17, e2007090	11	32
76	Bioactive Metal-Organic Frameworks with Specific Metal-Nitrogen (M-N) Active Sites for Efficient Sonodynamic Tumor Therapy. <i>ACS Nano</i> , 2021 ,	16.7	7
75	MOF-Derived Double-Layer Hollow Nanoparticles with Oxygen Generation Ability for Multimodal Imaging-Guided Sonodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13557-13561	16.4	91
74	Biodegradable Nanocomposite with Dual Cell-Tissue Penetration for Deep Tumor Chemo-Phototherapy. <i>Small</i> , 2020 , 16, e2000809	11	13
73	MOF-Derived Double-Layer Hollow Nanoparticles with Oxygen Generation Ability for Multimodal Imaging-Guided Sonodynamic Therapy. <i>Angewandte Chemie</i> , 2020 , 132, 13659-13663	3.6	7

72	NIR light-triggered nanomaterials-based prodrug activation towards cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1643	9.2	9
71	Immunomodulation-Enhanced Nanozyme-Based Tumor Catalytic Therapy. <i>Advanced Materials</i> , 2020 , 32, e2003563	24	91
70	Two-Dimensional Nanomaterials for Photothermal Therapy. <i>Angewandte Chemie</i> , 2020 , 132, 5943-5953	3.6	41
69	Degradable Holey Palladium Nanosheets with Highly Active 1D Nanoholes for Synergetic Phototherapy of Hypoxic Tumors. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5649-5656	16.4	64
68	Two-Dimensional Nanomaterials for Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5890-5900	16.4	161
67	Degradable Carbon-Silica Nanocomposite with Immunoadjuvant Property for Dual-Modality Photothermal/Photodynamic Therapy. <i>ACS Nano</i> , 2020 , 14, 2847-2859	16.7	66
66	Rational Design of DNA Framework-Based Hybrid Nanomaterials for Anticancer Drug Delivery. <i>Small</i> , 2020 , 16, e2002578	11	17
65	A Single-Atom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie</i> , 2019 , 131, 4965-4970	3.6	53
64	A Single-Atom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4911-4916	16.4	335
63	A Nanozyme with Photo-Enhanced Dual Enzyme-Like Activities for Deep Pancreatic Cancer Therapy. <i>Angewandte Chemie</i> , 2019 , 131, 12754-12761	3.6	38
62	A Nanozyme with Photo-Enhanced Dual Enzyme-Like Activities for Deep Pancreatic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12624-12631	16.4	209
61	Activation of Prodrugs by NIR-Triggered Release of Exogenous Enzymes for Locoregional Chemo-photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7728-7732	16.4	45
60	Activation of Prodrugs by NIR-Triggered Release of Exogenous Enzymes for Locoregional Chemo-photothermal Therapy. <i>Angewandte Chemie</i> , 2019 , 131, 7810-7814	3.6	1
59	Metal-Organic-Framework-Derived Carbon Nanostructures for Site-Specific Dual-Modality Photothermal/Photodynamic Thrombus Therapy. <i>Advanced Science</i> , 2019 , 6, 1901378	13.6	45
58	Nanotheranostics: Metal-Organic-Framework-Derived Carbon Nanostructures for Site-Specific Dual-Modality Photothermal/Photodynamic Thrombus Therapy (Adv. Sci. 17/2019). <i>Advanced Science</i> , 2019 , 6, 1970106	13.6	78
57	Interventional Photothermal Therapy Enhanced Brachytherapy: A New Strategy to Fight Deep Pancreatic Cancer. <i>Advanced Science</i> , 2019 , 6, 1801507	13.6	40
56	Photothermal Adjunctive Cytoreductive Surgery for Treating Peritoneal Metastasis of Gastric Cancer. <i>Small Methods</i> , 2018 , 2, 1700368	12.8	7
55	Metal-Organic-Framework-Derived Carbon Nanostructure Augmented Sonodynamic Cancer Therapy. <i>Advanced Materials</i> , 2018 , 30, e1800180	24	248

54	Sonodynamic therapy (SDT): a novel strategy for cancer nanotheranostics. <i>Science China Life Sciences</i> , 2018 , 61, 415-426	8.5	107
53	Rod-shaped cavitation bubble structure in ultrasonic field. <i>Ultrasonics Sonochemistry</i> , 2018 , 44, 184-195	8.9	6
52	Biodegradable Poly(amino acid)-Gold-Magnetic Complex with Efficient Endocytosis for Multimodal Imaging-Guided Chemo-photothermal Therapy. <i>ACS Nano</i> , 2018 , 12, 9022-9032	16.7	42
51	In Situ Growth of Pd Nanosheets on g-C ₃ N ₄ Nanosheets with Well-Contacted Interface and Enhanced Catalytic Performance for 4-Nitrophenol Reduction. <i>Small</i> , 2018 , 14, e1801812	11	51
50	Nanotheranostics: Metal-Organic-Framework-Derived Carbon Nanostructure Augmented Sonodynamic Cancer Therapy (Adv. Mater. 23/2018). <i>Advanced Materials</i> , 2018 , 30, 1870163	24	1
49	Two-Dimensional Nanomaterials for Cancer Nanotheranostics. <i>Small</i> , 2017 , 13, 1603446	11	97
48	Dual Electrophoresis Detection System for Rapid and Sensitive Immunoassays with Nanoparticle Signal Amplification. <i>Scientific Reports</i> , 2017 , 7, 42562	4.9	1
47	A Comparative Study of Clinical Intervention and Interventional Photothermal Therapy for Pancreatic Cancer. <i>Advanced Materials</i> , 2017 , 29, 1700448	24	61
46	Hydrophilic Polyelectrolyte Multilayers Improve the ELISA System: Antibody Enrichment and Blocking Free. <i>Polymers</i> , 2017 , 9,	4.5	10
45	A Rapid and Specific C-Reactive Protein Immunoassay Driven by an Electrophoresis System Based on Protein Enrichment in a 3D Filter. <i>Nanoscience and Nanotechnology Letters</i> , 2017 , 9, 425-432	0.8	2
44	Metal-Organic-Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy. <i>Advanced Materials</i> , 2016 , 28, 8379-8387	24	207
43	Size Effect of Mesoporous and Hollow Silica Nanoparticles on Solid Tumor Targeting and Penetration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 6766-6772	1.3	9
42	High-yield preparation of robust gold nanoshells on silica nanorattles with good biocompatibility. <i>Science Bulletin</i> , 2016 , 61, 282-291	10.6	10
41	Aspect ratios of gold nanoshell capsules mediated melanoma ablation by synergistic photothermal therapy and chemotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 439-48	6	35
40	Multifunctional Carbon-Silica Nanocapsules with Gold Core for Synergistic Photothermal and Chemo-Cancer Therapy under the Guidance of Bimodal Imaging. <i>Advanced Functional Materials</i> , 2016 , 26, 4252-4261	15.6	100
39	Cancer Therapy: Multifunctional Carbon-Silica Nanocapsules with Gold Core for Synergistic Photothermal and Chemo-Cancer Therapy under the Guidance of Bimodal Imaging (Adv. Funct. Mater. 24/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 4424-4424	15.6	3
38	Phototherapy: Metal-Organic-Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy (Adv. Mater. 38/2016). <i>Advanced Materials</i> , 2016 , 28, 8318-8318	24	3
37	Biodistribution, excretion, and toxicity of mesoporous silica nanoparticles after oral administration depend on their shape. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1915-24	6	157

36	Biosynthesis of fluorescent gold nanoclusters for in vitro and in vivo tumor imaging. <i>Optics Communications</i> , 2015 , 355, 567-574	2	16
35	Fluorescence switching method for cascade detection of salicylaldehyde and zinc(II) ion using protein protected gold nanoclusters. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 322-8	11.8	33
34	A smart all-in-one theranostic platform for CT imaging guided tumor microwave thermotherapy based on IL@ZrO nanoparticles. <i>Chemical Science</i> , 2015 , 6, 5016-5026	9.4	61
33	Facile synthesis of a highly luminescent carbon dot@silica nanorattle for in vivo bioimaging. <i>RSC Advances</i> , 2015 , 5, 46158-46162	3.7	16
32	Use of a lipid-coated mesoporous silica nanoparticle platform for synergistic gemcitabine and paclitaxel delivery to human pancreatic cancer in mice. <i>ACS Nano</i> , 2015 , 9, 3540-57	16.7	283
31	Effects of graphene oxide on the development of offspring mice in lactation period. <i>Biomaterials</i> , 2015 , 40, 23-31	15.6	70
30	Solvothermal synthesis of ZnO nanoparticles and anti-infection application in vivo. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1308-17	9.5	81
29	Gelatin microcapsules for enhanced microwave tumor hyperthermia. <i>Nanoscale</i> , 2015 , 7, 3147-54	7.7	31
28	Plasmonic copper sulfide nanocrystals exhibiting near-infrared photothermal and photodynamic therapeutic effects. <i>ACS Nano</i> , 2015 , 9, 1788-800	16.7	442
27	Green synthesis of Fe ₃ O ₄ nanoparticles with controlled morphologies using urease and their application in dye adsorption. <i>Dalton Transactions</i> , 2014 , 43, 12474-9	4.3	28
26	Effect of take-up speed on polyvinylidene fluoride hollow fiber membrane in a thermally induced phase separation process. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 1054-1060	2.9	17
25	Confining alloy or core-shell Au@Pd bimetallic nanocrystals in silica nanorattles for enhanced catalytic performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10382	13	41
24	Preparation of magnetic rattle-type silica through a general and facile pre-shell-post-core process for simultaneous cancer imaging and therapy. <i>Chemical Communications</i> , 2013 , 49, 7902-4	5.8	11
23	Uniform double-shelled silica hollow spheres: acid/base selective-etching synthesis and their drug delivery application. <i>RSC Advances</i> , 2013 , 3, 5649	3.7	25
22	Multifunctional Fe ₃ O ₄ @P(St/MAA)@chitosan@Au core/shell nanoparticles for dual imaging and photothermal therapy. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 4966-71	9.5	81
21	Impact of PEGylation on the biological effects and light heat conversion efficiency of gold nanoshells on silica nanorattles. <i>Biomaterials</i> , 2013 , 34, 6967-75	15.6	31
20	Targeting gold nanoshells on silica nanorattles: a drug cocktail to fight breast tumors via a single irradiation with near-infrared laser light. <i>Advanced Materials</i> , 2012 , 24, 755-61	24	155
19	Size dependent cellular uptake, in vivo fate and light-heat conversion efficiency of gold nanoshells on silica nanorattles. <i>Nanoscale</i> , 2012 , 4, 3523-9	7.7	37

18	Acute toxicity and oxidative damage induced by silica nanorattle in vivo. <i>Science Bulletin</i> , 2012 , 57, 2525-2532	12
17	The shape effect of mesoporous silica nanoparticles on biodistribution, clearance, and biocompatibility in vivo. <i>ACS Nano</i> , 2011 , 5, 5390-9	16.7 657
16	Single and repeated dose toxicity of mesoporous hollow silica nanoparticles in intravenously exposed mice. <i>Biomaterials</i> , 2011 , 32, 1657-68	15.6 275
15	Multifunctional Gold Nanoshells on Silica Nanorattles: A Platform for the Combination of Photothermal Therapy and Chemotherapy with Low Systemic Toxicity. <i>Angewandte Chemie</i> , 2011 , 123, 921-925	3.6 84
14	Multifunctional gold nanoshells on silica nanorattles: a platform for the combination of photothermal therapy and chemotherapy with low systemic toxicity. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 891-5	16.4 430
13	A study of the electron transfer and photothermal effect of gold nanorods on a glucose biosensor. <i>Nanotechnology</i> , 2010 , 21, 185504	3.4 10
12	In vivo delivery of silica nanorattle encapsulated docetaxel for liver cancer therapy with low toxicity and high efficacy. <i>ACS Nano</i> , 2010 , 4, 6874-82	16.7 278
11	Fabricating superhydrophilic wool fabrics. <i>Langmuir</i> , 2010 , 26, 4675-9	4 64
10	Fabrication of fast-absorbing and quick-drying wool fabrics with good washing durability. <i>ChemSusChem</i> , 2010 , 3, 1031-5	8.3 15
9	A silica nanorattle with a mesoporous shell: an ideal nanoreactor for the preparation of tunable gold cores. <i>Advanced Materials</i> , 2010 , 22, 4885-9	24 189
8	Preparation and characterization of quantum dots coated magnetic hollow spheres for magnetic fluorescent multimodal imaging and drug delivery. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2540-5	1.3 31
7	General strategy for designing functionalized magnetic microspheres for different bioapplications. <i>Langmuir</i> , 2009 , 25, 11657-63	4 48
6	Photothermal therapy of Lewis lung carcinoma in mice using gold nanoshells on carboxylated polystyrene spheres. <i>Nanotechnology</i> , 2008 , 19, 455101	3.4 55
5	Mesoporous magnetic hollow nanoparticles-protein carriers for lysosome escaping and cytosolic delivery. <i>Nanotechnology</i> , 2008 , 19, 445101	3.4 30
4	Manganese carbonate nanoparticles-mediated mitochondrial dysfunction for enhanced sonodynamic therapy. <i>Exploration</i> ,	22
3	Inhalable MOF-Derived Nanoparticles for Sonodynamic Therapy of Bacterial Pneumonia. <i>Advanced Functional Materials</i> , 2112145	15.6 3
2	New Advances in Nanomaterial-Based Antiviral Strategies. <i>Small Structures</i> ,	8.7 2
1	Tensile-Strained Palladium Nanosheets for Synthetic Catalytic Therapy and Phototherapy. <i>Advanced Materials</i> , 2202609	24 1

