

# Wei Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,622  
citations

430442

18  
h-index

580395

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2277  
citing authors

#	ARTICLE	IF	CITATIONS
1	A light-induced hydrogel responsive platform to capture and selectively isolate single circulating tumor cells. <i>Nanoscale</i> , 2022, 14, 3504-3512.	2.8	4
2	Noninvasive Optical Isolation and Identification of Circulating Tumor Cells Engineered by Fluorescent Microspheres. <i>ACS Applied Bio Materials</i> , 2022, 5, 2768-2776.	2.3	6
3	Biomimetic Nanoplatform Loading Type I Aggregation-Induced Emission Photosensitizer and Glutamine Blockade to Regulate Nutrient Partitioning for Enhancing Antitumor Immunotherapy. <i>ACS Nano</i> , 2022, 16, 10742-10753.	7.3	26
4	Highly biocompatible and recyclable biomimetic nanoparticles for antibiotic-resistant bacteria infection. <i>Biomaterials Science</i> , 2021, 9, 826-834.	2.6	28
5	Ultradense Erythrocyte Bionic Layer Used to Capture Circulating Tumor Cells and Plasma-Assisted High-Purity Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24543-24552.	4.0	11
6	Emerging Microfluidic Technologies for the Detection of Circulating Tumor Cells and Fetal Nucleated Red Blood Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 1140-1155.	2.3	19
7	A novel fluorescence assay for the discriminative detection of Cu(II) and cysteine based on red-emissive Si-CDs and cellular imaging applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 919-927.	2.9	34
8	Rapid synthesis of a Bi@ZIF-8 composite nanomaterial as a near-infrared-II (NIR-II) photothermal agent for the low-temperature photothermal therapy of hepatocellular carcinoma. <i>Nanoscale</i> , 2020, 12, 17064-17073.	2.8	47
9	Enhancing the photodynamic therapy efficacy of black phosphorus nanosheets by covalently grafting fullerene C <sub>60</sub> . <i>Chemical Science</i> , 2020, 11, 11435-11442.	3.7	21
10	NIR-II-Activated Yolk-Shell Nanostructures as an Intelligent Platform for Parkinsonian Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 6876-6887.	2.3	17
11	One-step synthesis of green emission carbon dots for selective and sensitive detection of nitrite ions and cellular imaging application. <i>RSC Advances</i> , 2020, 10, 10067-10075.	1.7	11
12	Platelet membrane-coated nanoparticles for targeted drug delivery and local chemo-photothermal therapy of orthotopic hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4648-4659.	2.9	56
13	Biomimetic Immunomagnetic Nanoparticles with Minimal Nonspecific Biomolecule Adsorption for Enhanced Isolation of Circulating Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28732-28739.	4.0	49
14	An Acoustic Droplet-Induced Enzyme Responsive Platform for the Capture and On-Demand Release of Single Circulating Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41118-41126.	4.0	30
15	TiO <sub>2</sub> nanopillar arrays coated with gelatin film for efficient capture and undamaged release of circulating tumor cells. <i>Nanotechnology</i> , 2019, 30, 335101.	1.3	16
16	Cancer Cell Membrane Camouflaged Nanoparticles to Realize Starvation Therapy Together with Checkpoint Blockades for Enhancing Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 2849-2857.	7.3	253
17	A Biomimetic Nanodecoy Traps Zika Virus To Prevent Viral Infection and Fetal Microcephaly Development. <i>Nano Letters</i> , 2019, 19, 2215-2222.	4.5	69
18	Efficient Capture and High Activity Release of Circulating Tumor Cells by Using TiO <sub>2</sub> Nanorod Arrays Coated with Soluble MnO <sub>2</sub> Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16327-16334.	4.0	46

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19	Macrophage membrane-coated iron oxide nanoparticles for enhanced photothermal tumor therapy. <i>Nanotechnology</i> , 2018, 29, 134004.	1.3	91
20	Size-amplified acoustofluidic separation of circulating tumor cells with removable microbeads. <i>Nano Futures</i> , 2018, 2, 025004.	1.0	21
21	Platelet-“Leukocyte Hybrid Membrane”-Coated Immunomagnetic Beads for Highly Efficient and Highly Specific Isolation of Circulating Tumor Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1803531.	7.8	154
22	The Overall Release of Circulating Tumor Cells by Using Temperature Control and Matrix Metalloproteinase-9 Enzyme on Gelatin Film. <i>ACS Applied Bio Materials</i> , 2018, 1, 910-916.	2.3	8
23	Highly sensitive and rapid isolation of fetal nucleated red blood cells with microbead-based selective sedimentation for non-invasive prenatal diagnostics. <i>Nanotechnology</i> , 2018, 29, 434001.	1.3	20
24	Microfluidic Electroporation-Facilitated Synthesis of Erythrocyte Membrane-Coated Magnetic Nanoparticles for Enhanced Imaging-Guided Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 3496-3505.	7.3	377
25	Erythrocyte Membrane-Coated Upconversion Nanoparticles with Minimal Protein Adsorption for Enhanced Tumor Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2159-2168.	4.0	195
26	Efficient Electron Transport Scaffold Made up of Submicron TiO <sub>2</sub> Spheres for High-Performance Hole-Transport Material Free Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	13