

# Xunbin Wei

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

3,026  
citations

218677

26  
h-index

168389

53  
g-index

77  
all docs

77  
docs citations

77  
times ranked

4253  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo imaging of specialized bone marrow endothelial microdomains for tumour engraftment. <i>Nature</i> , 2005, 435, 969-973.	27.8	820
2	Nanoparticles Coated with Neutrophil Membranes Can Effectively Treat Cancer Metastasis. <i>ACS Nano</i> , 2017, 11, 1397-1411.	14.6	392
3	In Vivo Flow Cytometry. <i>Cancer Research</i> , 2004, 64, 5044-5047.	0.9	203
4	Selective imaging and cancer cell death via pH switchable near-infrared fluorescence and photothermal effects. <i>Chemical Science</i> , 2016, 7, 5995-6005.	7.4	94
5	Recent advances in copper sulphide-based nanoheterostructures. <i>Chemical Society Reviews</i> , 2019, 48, 4950-4965.	38.1	85
6	Diagnosis and prognosis of myocardial infarction on a plasmonic chip. <i>Nature Communications</i> , 2020, 11, 1654.	12.8	83
7	PD-L1 is a direct target of cancer-FOXP3 in pancreatic ductal adenocarcinoma (PDAC), and combined immunotherapy with antibodies against PD-L1 and CCL5 is effective in the treatment of PDAC. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 38.	17.1	75
8	Nucleolus-Targeted Photodynamic Anticancer Therapy Using Renal-Clearable Carbon Dots. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000607.	7.6	61
9	Neovasculature and circulating tumor cells dual-targeting nanoparticles for the treatment of the highly-invasive breast cancer. <i>Biomaterials</i> , 2017, 113, 1-17.	11.4	60
10	Proportion of circulating tumor cell clusters increases during cancer metastasis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 250-253.	1.5	51
11	Microglia modulation with 1070-nm light attenuates A $\beta$ burden and cognitive impairment in Alzheimer's disease mouse model. <i>Light: Science and Applications</i> , 2021, 10, 179.	16.6	46
12	Signal and depth enhancement for in vivo flow cytometer measurement of ear skin by optical clearing agents. <i>Biomedical Optics Express</i> , 2013, 4, 2518.	2.9	44
13	Clearance of two organic nanoparticles from the brain via the paravascular pathway. <i>Journal of Controlled Release</i> , 2020, 322, 31-41.	9.9	44
14	Activated Platelets-Targeting Micelles with Controlled Drug Release for Effective Treatment of Primary and Metastatic Triple Negative Breast Cancer. <i>Advanced Functional Materials</i> , 2019, 29, 1806620.	14.9	43
15	Engineered g-C <sub>3</sub> N <sub>4</sub> Quantum Dots for Tunable Two-Photon Imaging and Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 1998-2005.	4.6	42
16	Circulation times of prostate cancer and hepatocellular carcinoma cells by in vivo flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 848-854.	1.5	41
17	Three-Dimensional Barcodes with Ultrahigh Encoding Capacities: A Flexible, Accurate, and Reproducible Encoding Strategy for Suspension Arrays. <i>Chemistry of Materials</i> , 2017, 29, 10398-10408.	6.7	41
18	Binary Organic Nanoparticles with Bright Aggregation-Induced Emission for Three-Photon Brain Vascular Imaging. <i>Chemistry of Materials</i> , 2020, 32, 6437-6443.	6.7	41

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19	Versatile ginsenoside Rg3 liposomes inhibit tumor metastasis by capturing circulating tumor cells and destroying metastatic niches. <i>Science Advances</i> , 2022, 8, eabj1262.	10.3	41
20	Advances of In Vivo Flow Cytometry on Cancer Studies. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 15-23.	1.5	40
21	In vivo flow cytometry reveals a circadian rhythm of circulating tumor cells. <i>Light: Science and Applications</i> , 2021, 10, 110.	16.6	40
22	A MicroRNA302-367-Erk1/2-Klf2-S1pr1 Pathway Prevents Tumor Growth via Restricting Angiogenesis and Improving Vascular Stability. <i>Circulation Research</i> , 2017, 120, 85-98.	4.5	37
23	Circulating tumor cells are correlated with disease progression and treatment response in an orthotopic hepatocellular carcinoma model. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 1020-1028.	1.5	34
24	Malate-aspartate shuttle inhibitor aminooxyacetic acid leads to decreased intracellular ATP levels and altered cell cycle of C6 glioma cells by inhibiting glycolysis. <i>Cancer Letters</i> , 2016, 378, 1-7.	7.2	34
25	<scp>SIRT</scp>2 mediates <scp>NADH</scp>-induced increases in Nrf2, <scp>GCL</scp>, and glutathione by modulating Akt phosphorylation in <scp>PC</scp>12 cells. <i>FEBS Letters</i> , 2016, 590, 2241-2255.	2.8	33
26	Imaging Molecular Expression on Vascular Endothelial Cells by In Vivo Immunofluorescence Microscopy. <i>Molecular Imaging</i> , 2006, 5, 7290.2006.00004.	1.4	31
27	Selective Uptake of Indocyanine Green by Reticulocytes in Circulation. , 2003, 44, 4489.		28
28	NAD <sup>+</sup> treatment prevents rotenone-induced apoptosis and necrosis of differentiated PC12 cells. <i>Neuroscience Letters</i> , 2014, 560, 46-50.	2.1	27
29	Morphological change of CD4 <sup>+</sup> T cell during contact with DC modulates T-cell activation by accumulation of F-actin in the immunology synapse. <i>BMC Immunology</i> , 2015, 16, 49.	2.2	27
30	Light amplified oxidative stress in tumor microenvironment by carbonized hemin nanoparticles for boosting photodynamic anticancer therapy. <i>Light: Science and Applications</i> , 2022, 11, 47.	16.6	27
31	Soft Patch Interface-Oriented Superassembly of Complex Hollow Nanoarchitectures for Smart Dual-Responsive Nanospacecrafts. <i>Journal of the American Chemical Society</i> , 2022, 144, 7778-7789.	13.7	25
32	Near infrared in vivo flow cytometry for tracking fluorescent circulating cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 878-884.	1.5	24
33	Monitoring circulating prostate cancer cells by in vivo flow cytometry assesses androgen deprivation therapy on metastasis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 517-524.	1.5	22
34	A Multifunctional Layered Nickel Silicate Nanogenerator of Synchronous Oxygen Self-supply and Superoxide Radical Generation for Hypoxic Tumor Therapy. <i>ACS Nano</i> , 2022, 16, 974-983.	14.6	22
35	In vivo flow cytometry combined with intravital microscopy to monitor kinetics of transplanted bone marrow mononuclear cells in peripheral blood and bone marrow. <i>Molecular Biology Reports</i> , 2020, 47, 1-10.	2.3	21
36	Inactivation of STAT3 Signaling Impairs Hair Cell Differentiation in the Developing Mouse Cochlea. <i>Stem Cell Reports</i> , 2017, 9, 231-246.	4.8	17

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37	Noninvasive monitoring of nanoparticle clearance and aggregation in blood circulation by in vivo flow cytometry. <i>Journal of Controlled Release</i> , 2018, 278, 66-73.	9.9	16
38	Extended $\pi$ -Conjugative Carbon Nitride for Single 1064 nm Laser-Activated Photodynamic/Photothermal Synergistic Therapy and Photoacoustic Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 7626-7635.	8.0	15
39	Ca <sup>2+</sup> -Mediated Surface Polydopamine Engineering to Program Dendritic Cell Maturation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4163-4173.	8.0	13
40	Direct control of store-operated calcium channels by ultrafast laser. <i>Cell Research</i> , 2021, 31, 758-772.	12.0	12
41	The bullseye synapse formed between CD4 + T $\alpha$ cell and staphylococcal enterotoxin B $\alpha$ -pulsed dendritic cell is a suppressive synapse in T $\alpha$ cell response. <i>Immunology and Cell Biology</i> , 2015, 93, 99-110.	2.3	11
42	eEF1A1 binds and enriches protoporphyrin IX in cancer cells in 5-aminolevulinic acid based photodynamic therapy. <i>Scientific Reports</i> , 2016, 6, 25353.	3.3	11
43	Rapid ex vivo assessment of cancer prognosis by fluorescence imaging of nucleolus using nitrogen doped carbon dots. <i>Analytica Chimica Acta</i> , 2021, 1154, 338309.	5.4	11
44	Monitoring circulating tumor cells in vivo by a confocal microscopy system. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 657-663.	1.5	10
45	Visualizing Interactions of Circulating Tumor Cell and Dendritic Cell in the Blood Circulation Using <i>In Vivo</i> Imaging Flow Cytometry. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2521-2526.	4.2	10
46	Near-infrared light excited photodynamic anticancer therapy based on UCNP@AIEgen nanocomposite. <i>Nanoscale Advances</i> , 2021, 3, 2325-2333.	4.6	9
47	The Alteration of Brain Interstitial Fluid Drainage with Myelination Development. , 2021, 12, 1729.		9
48	Oxygen self-enriched single-component $\pi$ -black carbon nitride $\alpha$ for near-infrared phototheranostics. <i>Nanoscale</i> , 2020, 12, 21812-21820.	5.6	8
49	Cancer stem cell property and gene signature in bone-metastatic Breast Cancer cells. <i>International Journal of Biological Sciences</i> , 2020, 16, 2580-2594.	6.4	7
50	Photodynamic therapy reduces metastasis of breast cancer by minimizing circulating tumor cells. <i>Biomedical Optics Express</i> , 2021, 12, 3878.	2.9	7
51	Photostimulation by femtosecond laser triggers restorable fragmentation in single mitochondrion. <i>Journal of Biophotonics</i> , 2017, 10, 286-293.	2.3	6
52	Facile synthesis of superparamagnetic iron oxide nanoparticles with tunable size: from individual nanoparticles to nanoclusters. <i>Micro and Nano Letters</i> , 2017, 12, 749-753.	1.3	6
53	In Vivo Flow Cytometric Evaluation of Circulating Metastatic Pancreatic Tumor Cells after High-Intensity Focused Ultrasound Therapy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 900-908.	1.5	6
54	Patient $\alpha$ -derived organoids in cellulosic sponge model chemotherapy response of metastatic colorectal cancer. <i>Clinical and Translational Medicine</i> , 2021, 11, e285.	4.0	6

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55	Early changes to the extracellular space in the hippocampus under simulated microgravity conditions. <i>Science China Life Sciences</i> , 2022, 65, 604-617.	4.9	6
56	Aberration correction during real time in vivo imaging of bone marrow with sensorless adaptive optics confocal microscope. <i>Journal of Biomedical Optics</i> , 2014, 19, 1.	2.6	5
57	Recent advances in fluorescence-based <i>in vivo</i> flow cytometry. <i>Journal of Innovative Optical Health Sciences</i> , 2019, 12, .	1.0	5
58	Noninvasive and real-time monitoring of Au nanoparticle promoted cancer metastasis using in vivo flow cytometry. <i>Biomedical Optics Express</i> , 2021, 12, 1846.	2.9	5
59	Real-time monitoring of single circulating tumor cells with a fluorescently labeled deoxyglucose by in vivo flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 586-592.	1.5	5
60	Nanoscale imaging and sensing for biomedical applications. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 758-759.	1.5	4
61	Rapid direct aperture optimization via dose influence matrix based piecewise aperture dose model. <i>PLoS ONE</i> , 2018, 13, e0197926.	2.5	4
62	Single-Cell Detection and Photostimulation on a Microfluidic Chip Aided with Gold Nanorods. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 39-45.	1.5	4
63	Noninvasive and early diagnosis of acquired brain injury using fluorescence imaging in the NIR-II window. <i>Biomedical Optics Express</i> , 2021, 12, 6984.	2.9	4
64	A Noninvasive and Real-Time Method for Circulating Tumor Cell Detection by In Vivo Flow Cytometry. <i>Methods in Molecular Biology</i> , 2017, 1634, 247-262.	0.9	3
65	Shedding light on biology and healthcare” preface to the special issue on <i>Biomedical Optics: Light: Science and Applications</i> , 2022, 11, .	16.6	3
66	Cytometry and Prevalent Cancers in Asia. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 11-14.	1.5	2
67	Monitoring radiofrequency therapy-induced tumor cell dissemination by in vivo flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 593-600.	1.5	2
68	Reply to Comment on “In vivo flow cytometry reveals a circadian rhythm of circulating tumor cells”. <i>Light: Science and Applications</i> , 2021, 10, 189.	16.6	2
69	Drug Delivery: Activated Platelets-Targeting Micelles with Controlled Drug Release for Effective Treatment of Primary and Metastatic Triple Negative Breast Cancer ( <i>Adv. Funct. Mater.</i> 13/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970086.	14.9	1
70	In Vivo Flow Cytometry. <i>Advances in Experimental Medicine and Biology</i> , 2021, 3233, 289-305.	1.6	1
71	Automated retinal layer segmentation in optical coherence tomography images with intraretinal fluid. <i>Journal of Innovative Optical Health Sciences</i> , 2022, 15, .	1.0	1
72	Algorithm to identify circulating tumor cell clusters using in vivo flow cytometer. <i>Journal of Innovative Optical Health Sciences</i> , 2018, 11, 1850024.	1.0	0

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73	Investigation on the optimal wavelength for two-photon microscopy in brain tissue. AIP Advances, 2018, 8, .	1.3	0
74	Binary organic nanoparticles with enhanced reactive oxygen species generation capability for photodynamic therapy. Journal of Innovative Optical Health Sciences, 2021, 14, 2150009.	1.0	0
75	Specialized Bone Marrow Endothelium Defines Microdomains for Tumor and Stem Cell Engraftment.. Blood, 2004, 104, 663-663.	1.4	0