

# Xiaowen Liang

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,642  
citations

218592

26  
h-index

197736

49  
g-index

96  
all docs

96  
docs citations

96  
times ranked

4828  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of cellular reactive oxygen species in cancer chemotherapy. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 266.	3.5	488
2	Indocyanine green-incorporating nanoparticles for cancer theranostics. <i>Theranostics</i> , 2018, 8, 1227-1242.	4.6	252
3	Diagnostic imaging and therapeutic application of nanoparticles targeting the liver. <i>Journal of Materials Chemistry B</i> , 2015, 3, 939-958.	2.9	126
4	Sequential PDT and PTT Using Dual-Modal Single-Walled Carbon Nanohorns Synergistically Promote Systemic Immune Responses against Tumor Metastasis and Relapse. <i>Advanced Science</i> , 2020, 7, 2001088.	5.6	119
5	A unique iridium(III) complex-based chemosensor for multi-signal detection and multi-channel imaging of hypochlorous acid in liver injury. <i>Biosensors and Bioelectronics</i> , 2017, 87, 1005-1011.	5.3	117
6	Short- and Long-Term Tracking of Anionic Ultrasmall Nanoparticles in Kidney. <i>ACS Nano</i> , 2016, 10, 387-395.	7.3	95
7	TROP2 promotes proliferation, migration and metastasis of gallbladder cancer cells by regulating PI3K/AKT pathway and inducing EMT. <i>Oncotarget</i> , 2017, 8, 47052-47063.	0.8	72
8	Emodin enhances cisplatin-induced cytotoxicity in human bladder cancer cells through ROS elevation and MRP1 downregulation. <i>BMC Cancer</i> , 2016, 16, 578.	1.1	69
9	Tumor Chemo-Radiotherapy with Rod-Shaped and Spherical Gold Nano Probes: Shape and Active Targeting Both Matter. <i>Theranostics</i> , 2019, 9, 1893-1908.	4.6	66
10	Penetration of Nanoparticles into Human Skin. <i>Current Pharmaceutical Design</i> , 2013, 19, 6353-6366.	0.9	59
11	CR-Unet: A Composite Network for Ovary and Follicle Segmentation in Ultrasound Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 974-983.	3.9	59
12	Modelling of the SDF-1/CXCR4 regulated <i>in vivo</i> homing of therapeutic mesenchymal stem/stromal cells in mice. <i>PeerJ</i> , 2018, 6, e6072.	0.9	57
13	Highly Sensitive Hill-Type Small-Molecule pH Probe That Recognizes the Reversed pH Gradient of Cancer Cells. <i>Analytical Chemistry</i> , 2018, 90, 5803-5809.	3.2	56
14	DIRAS3 (ARHI) Blocks RAS/MAPK Signaling by Binding Directly to RAS and Disrupting RAS Clusters. <i>Cell Reports</i> , 2019, 29, 3448-3459.e6.	2.9	44
15	Real-time histology in liver disease using multiphoton microscopy with fluorescence lifetime imaging. <i>Biomedical Optics Express</i> , 2015, 6, 780.	1.5	42
16	Physiologically Based Pharmacokinetic Model for Long-Circulating Inorganic Nanoparticles. <i>Nano Letters</i> , 2016, 16, 939-945.	4.5	42
17	A Water-Soluble, Green-Light Triggered, and Photo-Calibrated Nitric Oxide Donor for Biological Applications. <i>Bioconjugate Chemistry</i> , 2018, 29, 1194-1198.	1.8	42
18	Allosteric Regulation of Fibronectin/ $\alpha 5 \beta 1$ Interaction by Fibronectin-Binding MSCRAMMs. <i>PLoS ONE</i> , 2016, 11, e0159118.	1.1	41

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19	Concise Review: Quantitative Detection and Modeling the In Vivo Kinetics of Therapeutic Mesenchymal Stem/Stromal Cells. <i>Stem Cells Translational Medicine</i> , 2018, 7, 78-86.	1.6	38
20	Intravital Multiphoton Imaging of the Selective Uptake of Water-Dispersible Quantum Dots into Sinusoidal Liver Cells. <i>Small</i> , 2015, 11, 1711-1720.	5.2	37
21	Two-photon dual imaging platform for in vivo monitoring cellular oxidative stress in liver injury. <i>Scientific Reports</i> , 2017, 7, 45374.	1.6	35
22	A Novel Fibronectin Binding Motif in MSCRAMMs Targets F3 Modules. <i>PLoS ONE</i> , 2009, 4, e5412.	1.1	34
23	GE11-PDA-Pt@USPIOs nano-formulation for relief of tumor hypoxia and MRI/PAI-guided tumor radio-chemotherapy. <i>Biomaterials Science</i> , 2019, 7, 2076-2090.	2.6	34
24	Bacteria in hernia sac: an important risk fact for surgical site infection after incarcerated hernia repair. <i>Hernia: the Journal of Hernias and Abdominal Wall Surgery</i> , 2015, 19, 279-283.	0.9	33
25	Liver organoid as a 3D in vitro model for drug validation and toxicity assessment. <i>Pharmacological Research</i> , 2021, 169, 105608.	3.1	32
26	Visualizing liver anatomy, physiology and pharmacology using multiphoton microscopy. <i>Journal of Biophotonics</i> , 2017, 10, 46-60.	1.1	31
27	Surgical outcomes of colonic stents as a bridge to surgery versus emergency surgery for malignant colorectal obstruction: A systematic review and meta-analysis of high quality prospective and randomised controlled trials. <i>European Journal of Surgical Oncology</i> , 2020, 46, 1404-1414.	0.5	31
28	Identification of hub genes and construction of transcriptional regulatory network for the progression of colon adenocarcinoma hub genes and TF regulatory network of colon adenocarcinoma. <i>Journal of Cellular Physiology</i> , 2020, 235, 2037-2048.	2.0	29
29	Therapeutic modulators of hepatic stellate cells for hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2020, 147, 1519-1527.	2.3	25
30	A physiologically based kinetic model for elucidating the in vivo distribution of administered mesenchymal stem cells. <i>Scientific Reports</i> , 2016, 6, 22293.	1.6	23
31	Negative lymph node count is an independent prognostic factor for patients with rectal cancer who received preoperative radiotherapy. <i>BMC Cancer</i> , 2017, 17, 227.	1.1	23
32	MDCT assessment of resectability in hilar cholangiocarcinoma. <i>Abdominal Radiology</i> , 2017, 42, 851-860.	1.0	22
33	A Photo-triggered and photo-calibrated nitric oxide donor: Rational design, spectral characterizations, and biological applications. <i>Free Radical Biology and Medicine</i> , 2018, 123, 1-7.	1.3	22
34	Pathological and prognostic significance of hypoxia-inducible factor 1 $\alpha$ expression in epithelial ovarian cancer: a meta-analysis. <i>Tumor Biology</i> , 2014, 35, 8149-8159.	0.8	21
35	The influence of marital status on survival of gallbladder cancer patients: a population-based study. <i>Scientific Reports</i> , 2017, 7, 5322.	1.6	20
36	DIRAS3: An Imprinted Tumor Suppressor Gene that Regulates RAS and PI3K-driven Cancer Growth, Motility, Autophagy, and Tumor Dormancy. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 25-37.	1.9	20

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37	Computer-aided diagnosis of gallbladder polyps based on high resolution ultrasonography. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 185, 105118.	2.6	19
38	C24â€Ceramide Drives Gallbladder Cancer Progression Through Directly Targeting Phosphatidylinositol 5â€Phosphate 4â€Kinase Typeâ€2 Gamma to Facilitate Mammalian Target of Rapamycin Signaling Activation. <i>Hepatology</i> , 2021, 73, 692-712.	3.6	19
39	Evaluation of the POSSUM, P-POSSUM and E-PASS scores in the surgical treatment of hilar cholangiocarcinoma. <i>World Journal of Surgical Oncology</i> , 2014, 12, 191.	0.8	16
40	Amino acid polymorphisms in the fibronectin-binding repeats of fibronectin-binding protein A affect bond strength and fibronectin conformation. <i>Journal of Biological Chemistry</i> , 2017, 292, 8797-8810.	1.6	16
41	DIRAS3-Derived Peptide Inhibits Autophagy in Ovarian Cancer Cells by Binding to Beclin1. <i>Cancers</i> , 2019, 11, 557.	1.7	16
42	Designer artificial membrane binding proteins to direct stem cells to the myocardium. <i>Chemical Science</i> , 2019, 10, 7610-7618.	3.7	15
43	A Monochromophoric Approach to Succinct Ratiometric Fluorescent Probes without Probe-Product Crosstalk. <i>CCS Chemistry</i> , 2021, 3, 2307-2315.	4.6	14
44	Clinicopathological Characteristics of Gynecological Cancer Associated with Hypoxia-Inducible Factor 1Î± Expression: A Meta-Analysis Including 6,612 Subjects. <i>PLoS ONE</i> , 2015, 10, e0127229.	1.1	13
45	Impact of Tumor Site on Lymph Node Status and Survival in Colon Cancer. <i>Journal of Cancer</i> , 2019, 10, 2376-2383.	1.2	12
46	Evaluation of Quantum Dot Skin Penetration in Porcine Skin: Effect of Age and Anatomical Site of Topical Application. <i>Skin Pharmacology and Physiology</i> , 2019, 32, 182-191.	1.1	12
47	Age-specific impact on the survival of gastric cancer patients with distant metastasis: an analysis of SEER database. <i>Oncotarget</i> , 2017, 8, 97090-97100.	0.8	12
48	Anionic Long-Circulating Quantum Dots for Long-Term Intravital Vascular Imaging. <i>Pharmaceutics</i> , 2018, 10, 244.	2.0	11
49	Genome-wide analysis of in vivo CcpA binding with and without its key co-factor HPr in the major human pathogen group A <i>Streptococcus</i> . <i>Molecular Microbiology</i> , 2021, 115, 1207-1228.	1.2	11
50	Self-protection against triptolide-induced toxicity in human hepatic cells via Nrf2-ARE-NQO1 pathway. <i>Chinese Journal of Integrative Medicine</i> , 2017, 23, 929-936.	0.7	10
51	The prognostic value of negative lymph node count for patients with cervical cancer after radical surgery. <i>Oncotarget</i> , 2018, 9, 2810-2818.	0.8	9
52	Long-term survival and postoperative complications of pre-liver transplantation transarterial chemoembolisation in hepatocellular carcinoma: A systematic review and meta-analysis. <i>European Journal of Surgical Oncology</i> , 2022, 48, 621-631.	0.5	9
53	The prognostic value of negative lymph node count for patients with gastric cancer who received preoperative radiotherapy. <i>Oncotarget</i> , 2017, 8, 46946-46954.	0.8	9
54	CR-Unet-Based Ultrasonic Follicle Monitoring to Reduce Diameter Variability and Generate Area Automatically as a Novel Biomarker for Follicular Maturity. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 3125-3134.	0.7	8

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55	Impact of Age on Risk of Lymph Node Positivity in Patients with Colon Cancer. <i>Journal of Cancer</i> , 2019, 10, 2102-2108.	1.2	7
56	Imaging-based vascular-related biomarkers for early detection of acetaminophen-induced liver injury. <i>Theranostics</i> , 2020, 10, 6715-6727.	4.6	7
57	Using <i>in vivo</i> multiphoton fluorescence lifetime imaging to unravel disease-specific changes in the liver redox state. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 034003.	1.1	5
58	Peptides: New, Easily Accessible Chemotypes For Interactions With Biomolecules. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6653-6659.	7.2	4
59	Investigation of Protein-Lipid Interactions Using Native Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2022, 2349, 41-64.	0.4	4
60	Efficacy and safety of immune-modulating therapy for primary sclerosing cholangitis: A systematic review and meta-analysis. , 2022, 237, 108163.		4
61	Visualization and Modeling of the In Vivo Distribution of Mesenchymal Stem Cells. <i>Current Protocols in Stem Cell Biology</i> , 2017, 43, 2B.8.1-2B.8.17.	3.0	3
62	Effect of metabolic syndrome components on the risk of malignancy in patients with gallbladder lesions. <i>Journal of Cancer</i> , 2021, 12, 1531-1537.	1.2	3
63	Successful Parenchyma-Sparing Anatomical Surgery by 3-Dimensional Reconstruction of Hilar Cholangiocarcinoma Combined with Anatomic Variation. <i>Journal of the College of Physicians and Surgeons-Pakistan: JCPSP</i> , 2016, 26, S13-5.	0.2	2
64	18 Revealing interaction of dyes and nanomaterials by multiphoton imaging. , 2018, , 345-368.		1
65	Multiphoton and FLIM imaging in quantifying ex vivo and in vivo body organ kinetics of solutes. , 2020, , .		1
66	In vivo quantitative visualization of hypochlorous acid in the liver using a novel selective two-photon fluorescent probe. , 2016, , .		0
67	Peptides: New, Easily Accessible Chemotypes For Interactions With Biomolecules. <i>Angewandte Chemie</i> , 2021, 133, 6727-6733.	1.6	0
68	Multiphoton imaging for assessing renal disposition in acute kidney injury. , 2016, , .		0
69	Non-invasive assessment of the liver using imaging. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
70	Quantitative optical imaging of paracetamol-induced metabolism changes in the liver. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0