

Chengbo Liu

List of Publications by Citations

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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.

70
papers

2,795
citations

26
h-index

52
g-index

75
ext. papers

3,498
ext. citations

9.4
avg, IF

5.27
L-index

#	Paper	IF	Citations
70	Bright Aggregation-Induced-Emission Dots for Targeted Synergetic NIR-II Fluorescence and NIR-I Photoacoustic Imaging of Orthotopic Brain Tumors. <i>Advanced Materials</i> , 2018 , 30, e1800766	24	246
69	Through Scalp and Skull NIR-II Photothermal Therapy of Deep Orthotopic Brain Tumors with Precise Photoacoustic Imaging Guidance. <i>Advanced Materials</i> , 2018 , 30, e1802591	24	235
68	In vivo theranostics with near-infrared-emitting carbon dots-highly efficient photothermal therapy based on passive targeting after intravenous administration. <i>Light: Science and Applications</i> , 2018 , 7, 91	16.7	178
67	Ultrasmall Cu _{2-x} S Nanodots for Highly Efficient Photoacoustic Imaging-Guided Photothermal Therapy. <i>Small</i> , 2015 , 11, 2275-83	11	162
66	Molecular Engineering of Conjugated Polymers for Biocompatible Organic Nanoparticles with Highly Efficient Photoacoustic and Photothermal Performance in Cancer Theranostics. <i>ACS Nano</i> , 2017 , 11, 10124-10134	16.7	140
65	Single-Layer MoS ₂ Nanosheets with Amplified Photoacoustic Effect for Highly Sensitive Photoacoustic Imaging of Orthotopic Brain Tumors. <i>Advanced Functional Materials</i> , 2016 , 26, 8715-8725	15.6	110
64	Precise Deciphering of Brain Vasculatures and Microscopic Tumors with Dual NIR-II Fluorescence and Photoacoustic Imaging. <i>Advanced Materials</i> , 2019 , 31, e1902504	24	107
63	Ce6-Modified Carbon Dots for Multimodal-Imaging-Guided and Single-NIR-Laser-Triggered Photothermal/Photodynamic Synergistic Cancer Therapy by Reduced Irradiation Power. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5791-5803	9.5	107
62	Activatable albumin-photosensitizer nanoassemblies for triple-modal imaging and thermal-modulated photodynamic therapy of cancer. <i>Biomaterials</i> , 2016 , 93, 10-19	15.6	106
61	Biocompatible conjugated polymer nanoparticles for highly efficient photoacoustic imaging of orthotopic brain tumors in the second near-infrared window. <i>Materials Horizons</i> , 2017 , 4, 1151-1156	14.4	98
60	High-Resolution 3D NIR-II Photoacoustic Imaging of Cerebral and Tumor Vasculatures Using Conjugated Polymer Nanoparticles as Contrast Agent. <i>Advanced Materials</i> , 2019 , 31, e1808355	24	88
59	Dual-color photoacoustic lymph node imaging using nanoformulated naphthalocyanines. <i>Biomaterials</i> , 2015 , 73, 142-8	15.6	82
58	Intravascular optical-resolution photoacoustic tomography with a 1.1 mm diameter catheter. <i>PLoS ONE</i> , 2014 , 9, e92463	3.7	82
57	A facile synthesis of versatile Cu _{2-x} S nanoprobe for enhanced MRI and infrared thermal/photoacoustic multimodal imaging. <i>Biomaterials</i> , 2015 , 57, 12-21	15.6	74
56	Indocyanine Green-holo-Transferrin Nanoassemblies for Tumor-Targeted Dual-Modal Imaging and Photothermal Therapy of Glioma. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39249-39258	9.5	62
55	India ink incorporated multifunctional phase-transition nanodroplets for photoacoustic/ultrasound dual-modality imaging and photoacoustic effect based tumor therapy. <i>Theranostics</i> , 2014 , 4, 1026-38	12.1	59
54	High-speed intravascular spectroscopic photoacoustic imaging at 1000 A-lines per second with a 0.9-mm diameter catheter. <i>Journal of Biomedical Optics</i> , 2015 , 20, 065006	3.5	57

53	Linear array-based real-time photoacoustic imaging system with a compact coaxial excitation handheld probe for noninvasive sentinel lymph node mapping. <i>Biomedical Optics Express</i> , 2018 , 9, 1408-1422	3.5	51
52	Multi-parametric quantitative microvascular imaging with optical-resolution photoacoustic microscopy in vivo. <i>Optics Express</i> , 2014 , 22, 1500-11	3.3	50
51	Indocyanine Green Loaded Reduced Graphene Oxide for In Vivo Photoacoustic/Fluorescence Dual-Modality Tumor Imaging. <i>Nanoscale Research Letters</i> , 2016 , 11, 85	5	44
50	Tocilizumab-Conjugated Polymer Nanoparticles for NIR-II Photoacoustic-Imaging-Guided Therapy of Rheumatoid Arthritis. <i>Advanced Materials</i> , 2020 , 32, e2003399	24	40
49	In vivo photoacoustic/ultrasonic dual-modality endoscopy with a miniaturized full field-of-view catheter. <i>Journal of Biophotonics</i> , 2018 , 11, e201800034	3.1	39
48	In Vivo Tumor Photoacoustic Imaging and Photothermal Therapy Based on Supra-(Carbon Nanodots). <i>Advanced Healthcare Materials</i> , 2019 , 8, e1800995	10.1	38
47	Highly Sensitive MoS-Indocyanine Green Hybrid for Photoacoustic Imaging of Orthotopic Brain Glioma at Deep Site. <i>Nano-Micro Letters</i> , 2018 , 10, 48	19.5	35
46	The integrated high-resolution reflection-mode photoacoustic and fluorescence confocal microscopy. <i>Photoacoustics</i> , 2019 , 14, 12-18	9	31
45	Novel small molecular dye-loaded lipid nanoparticles with efficient near-infrared-II absorption for photoacoustic imaging and photothermal therapy of hepatocellular carcinoma. <i>Biomaterials Science</i> , 2019 , 7, 3165-3177	7.4	26
44	Optical-resolution photoacoustic microscopy for monitoring vascular normalization during anti-angiogenic therapy. <i>Photoacoustics</i> , 2019 , 15, 100143	9	25
43	Design and Synthesis of a Ratiometric Photoacoustic Probe for In Situ Imaging of Zinc Ions in Deep Tissue In Vivo. <i>Analytical Chemistry</i> , 2020 , 92, 6382-6390	7.8	24
42	Advances in Imaging Techniques and Genetically Encoded Probes for Photoacoustic Imaging. <i>Theranostics</i> , 2016 , 6, 2414-2430	12.1	24
41	Functional Photoacoustic Imaging of Gastric Acid Secretion Using pH-Responsive Polyaniline Nanoprobes. <i>Small</i> , 2016 , 12, 4690-6	11	24
40	Motion Correction in Optical Resolution Photoacoustic Microscopy. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2139-2150	11.7	23
39	assessment of inflammation in carotid atherosclerosis by noninvasive photoacoustic imaging. <i>Theranostics</i> , 2020 , 10, 4694-4704	12.1	21
38	Ffster Resonance Energy Transfer-Based Dual-Modal Theranostic Nanoprobe for Visualization of Cancer Photothermal Therapy. <i>Theranostics</i> , 2018 , 8, 410-422	12.1	20
37	Optical-resolution photoacoustic microscopy with ultrafast dual-wavelength excitation. <i>Journal of Biophotonics</i> , 2020 , 13, e201960229	3.1	19
36	Manganese(II) Texaphyrin: A Paramagnetic Photoacoustic Contrast Agent Activated by Near-IR Light. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16156-16160	16.4	19

35	A new deep learning method for image deblurring in optical microscopic systems. <i>Journal of Biophotonics</i> , 2020 , 13, e201960147	3.1	18
34	Three-dimensional Hessian matrix-based quantitative vascular imaging of rat iris with optical-resolution photoacoustic microscopy in vivo. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-11	3.5	17
33	Multiscale high-speed photoacoustic microscopy based on free-space light transmission and a MEMS scanning mirror. <i>Optics Letters</i> , 2020 , 45, 4312-4315	3	17
32	Quantitative analysis on in vivo tumor-microvascular images from optical-resolution photoacoustic microscopy. <i>Journal of Biophotonics</i> , 2019 , 12, e201800421	3.1	15
31	Antimony Nanopolyhedrons with Tunable Localized Surface Plasmon Resonances for Highly Effective Photoacoustic-Imaging-Guided Synergistic Photothermal/Immunotherapy. <i>Advanced Materials</i> , 2021 , 33, e2100039	24	15
30	Single-shot linear dichroism optical-resolution photoacoustic microscopy. <i>Photoacoustics</i> , 2019 , 16, 100148	14	15
29	Nonlinear mechanisms in photoacoustics-Powerful tools in photoacoustic imaging. <i>Photoacoustics</i> , 2021 , 22, 100243	9	14
28	Compressed sensing based virtual-detector photoacoustic microscopy in vivo. <i>Journal of Biomedical Optics</i> , 2014 , 19, 36003	3.5	12
27	Compact and low-cost handheld quasibright-field linear-array probe design in photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-10	3.5	12
26	Photoacoustic Imaging: Bright Aggregation-Induced-Emission Dots for Targeted Synergetic NIR-II Fluorescence and NIR-I Photoacoustic Imaging of Orthotopic Brain Tumors (Adv. Mater. 29/2018). <i>Advanced Materials</i> , 2018 , 30, 1870214	24	11
25	transrectal imaging of canine prostate with a sensitive and compact handheld transrectal array photoacoustic probe for early diagnosis of prostate cancer. <i>Biomedical Optics Express</i> , 2019 , 10, 1707-1717	17	11
24	Deep Learning Enables Superior Photoacoustic Imaging at Ultralow Laser Dosages. <i>Advanced Science</i> , 2021 , 8, 2003097	13.6	11
23	Active-Targeting NIR-II Phototheranostics in Multiple Tumor Models Using Platelet-Camouflaged Nanoprobes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55624-55637	9.5	8
22	Expanded porphyrins: functional photoacoustic imaging agents that operate in the NIR-II region. <i>Chemical Science</i> , 2021 , 12, 9916-9921	9.4	7
21	De-noising of photoacoustic sensing and imaging based on combined empirical mode decomposition and independent component analysis. <i>Journal of Biophotonics</i> , 2019 , 12, e201900042	3.1	6
20	Opto-acoustic synergistic irradiation for vaporization of natural melanin-cored nanodroplets at safe energy levels and efficient sono-chemo-photothermal cancer therapy. <i>Theranostics</i> , 2020 , 10, 10448-10465	12.1	6
19	Multiscale Vascular Enhancement Filter Applied to In Vivo Morphologic and Functional Photoacoustic Imaging of Rat Ocular Vasculature. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-12	1.8	6
18	Photoacoustic visualization of the fluence rate dependence of photodynamic therapy. <i>Biomedical Optics Express</i> , 2020 , 11, 4203-4223	3.5	5

17	intravascular photoacoustic imaging at a high speed of 100 frames per second. <i>Biomedical Optics Express</i> , 2020 , 11, 6721-6731	3.5	5
16	Full three-dimensional segmentation and quantification of tumor vessels for photoacoustic images. <i>Photoacoustics</i> , 2020 , 20, 100212	9	5
15	A Low Cost Sensitive Transrectal Photoacoustic Probe With Single-Fiber Bright-Field Illumination for In Vivo Canine Prostate Imaging and Real-Time Biopsy Needle Guidance. <i>IEEE Sensors Journal</i> , 2020 , 20, 10974-10980	4	4
14	Graphics processing unit accelerating compressed sensing photoacoustic computed tomography with total variation. <i>Applied Optics</i> , 2020 , 59, 712-719	1.7	4
13	Lack of association between acupoint sensitization and microcirculatory structural changes in a mouse model of knee osteoarthritis: A pilot study. <i>Journal of Biophotonics</i> , 2019 , 12, e201800458	3.1	4
12	Degradable mesoporous semimetal antimony nanospheres for near-infrared II multimodal theranostics.. <i>Nature Communications</i> , 2022 , 13, 539	17.4	3
11	Co-delivery of NIR-II semiconducting polymer and pH-sensitive doxorubicin-conjugated prodrug for photothermal/chemotherapy. <i>Acta Biomaterialia</i> , 2021 ,	10.8	3
10	Sparse-sampling photoacoustic computed tomography: Deep learning vs. compressed sensing. <i>Biomedical Signal Processing and Control</i> , 2022 , 71, 103233	4.9	3
9	Breaking Acoustic Limit of Optical Focusing Using Photoacoustic-Guided Wavefront Shaping. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000594	8.3	3
8	Targeted imaging of orthotopic prostate cancer by using clinical transformable photoacoustic molecular probe. <i>BMC Cancer</i> , 2020 , 20, 419	4.8	2
7	Background-suppressed tumor-targeted photoacoustic imaging using bacterial carriers.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	2
6	Optical resolution photoacoustic computed microscopy. <i>Optics Letters</i> , 2021 , 46, 372-375	3	1
5	Achieving depth-independent lateral resolution in AR-PAM using the synthetic-aperture focusing technique.. <i>Photoacoustics</i> , 2022 , 26, 100328	9	1
4	Recovery of photoacoustic images based on accurate ultrasound positioning. <i>Visual Computing for Industry, Biomedicine, and Art</i> , 2021 , 4, 7	2.9	0
3	Visualizing tumor angiogenesis and boundary with polygon-scanning multiscale photoacoustic microscopy.. <i>Photoacoustics</i> , 2022 , 26, 100342	9	0
2	Nanoparticles for Photoacoustic Imaging 2016 , 159-187		
1	Optical fiber-based handheld polarized photoacoustic computed tomography for detecting anisotropy of tissues.. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022 , 12, 2238-2246	3.6	