

Liang Song

List of Publications by Year in descending order

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56
papers

2,747
citations

147566

31
h-index

174990

52
g-index

57
all docs

57
docs citations

57
times ranked

4124
citing authors

#	ARTICLE	IF	CITATIONS
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.	1.1	5
2	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, .	3.3	14
3	Achieving depth-independent lateral resolution in AR-PAM using the synthetic-aperture focusing technique. <i>Photoacoustics</i> , 2022, 26, 100328.	4.4	3
4	Visualizing tumor angiogenesis and boundary with polygon-scanning multiscale photoacoustic microscopy. <i>Photoacoustics</i> , 2022, 26, 100342.	4.4	14
5	Expanded porphyrins: functional photoacoustic imaging agents that operate in the NIR-II region. <i>Chemical Science</i> , 2021, 12, 9916-9921.	3.7	34
6	Multi-spectral intravascular photoacoustic/ultrasound/optical coherence tomography tri-modality system with a fully-integrated 0.9-mm full field-of-view catheter for plaque vulnerability imaging. <i>Biomedical Optics Express</i> , 2021, 12, 1934.	1.5	20
7	IVUS/PA hybrid intravascular molecular imaging of angiogenesis in atherosclerotic plaques via RGDfk peptide-targeted nanoprobe. <i>Photoacoustics</i> , 2021, 22, 100262.	4.4	16
8	Breaking Acoustic Limit of Optical Focusing Using Photoacoustic-Guided Wavefront Shaping. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000594.	4.4	9
9	Nonlinear mechanisms in photoacoustics—Powerful tools in photoacoustic imaging. <i>Photoacoustics</i> , 2021, 22, 100243.	4.4	35
10	A new deep learning method for image deblurring in optical microscopic systems. <i>Journal of Biophotonics</i> , 2020, 13, e201960147.	1.1	35
11	Tocilizumab-Conjugated Polymer Nanoparticles for NIR-II Photoacoustic-Imaging-Guided Therapy of Rheumatoid Arthritis. <i>Advanced Materials</i> , 2020, 32, e2003399.	11.1	88
12	Targeted imaging of orthotopic prostate cancer by using clinical transformable photoacoustic molecular probe. <i>BMC Cancer</i> , 2020, 20, 419.	1.1	6
13	A Low Cost Sensitive Transrectal Photoacoustic Probe With Single-Fiber Bright-Field Illumination for <i>In Vivo</i> Canine Prostate Imaging and Real-Time Biopsy Needle Guidance. <i>IEEE Sensors Journal</i> , 2020, 20, 10974-10980.	2.4	8
14	<i>In vivo</i> assessment of inflammation in carotid atherosclerosis by noninvasive photoacoustic imaging. <i>Theranostics</i> , 2020, 10, 4694-4704.	4.6	52
15	Photoacoustic visualization of the fluence rate dependence of photodynamic therapy. <i>Biomedical Optics Express</i> , 2020, 11, 4203.	1.5	7
16	In vivo intravascular photoacoustic imaging at a high speed of 100 frames per second. <i>Biomedical Optics Express</i> , 2020, 11, 6721.	1.5	17
17	Optical-resolution photoacoustic microscopy for monitoring vascular normalization during anti-angiogenic therapy. <i>Photoacoustics</i> , 2019, 15, 100143.	4.4	48
18	Ultras-small hybrid protein-copper sulfide nanoparticles for targeted photoacoustic imaging of orthotopic hepatocellular carcinoma with a high signal-to-noise ratio. <i>Biomaterials Science</i> , 2019, 7, 92-103.	2.6	36

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19	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.	2.6	44
20	A 1064 nm excitable semiconducting polymer nanoparticle for photoacoustic imaging of gliomas. <i>Nanoscale</i> , 2019, 11, 7754-7760.	2.8	42
21	The integrated high-resolution reflection-mode photoacoustic and fluorescence confocal microscopy. <i>Photoacoustics</i> , 2019, 14, 12-18.	4.4	35
22	Quantitative analysis on in vivo tumor microvascular images from optical-resolution photoacoustic microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800421.	1.1	24
23	Dictionary learning sparse-sampling reconstruction method for in-vivo 3D photoacoustic computed tomography. <i>Biomedical Optics Express</i> , 2019, 10, 1660.	1.5	14
24	In vivo 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.	1.5	14
25	Timely coordinated phototherapy mediated by mesoporous organosilica coated triangular gold nanoprisms. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3865-3875.	2.9	13
26	Adjuvant Photothermal Therapy Inhibits Local Recurrences after Breast-Conserving Surgery with Little Skin Damage. <i>ACS Nano</i> , 2018, 12, 662-670.	7.3	69
27	Highly Sensitive MoS ₂ -Indocyanine Green Hybrid for Photoacoustic Imaging of Orthotopic Brain Glioma at Deep Site. <i>Nano-Micro Letters</i> , 2018, 10, 48.	14.4	41
28	Hybrid MoSe ₂ -indocyanine green nanosheets as a highly efficient phototheranostic agent for photoacoustic imaging guided photothermal cancer therapy. <i>Biomaterials Science</i> , 2018, 6, 1503-1516.	2.6	46
29	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.	7.7	289
30	Flexibly adjustable depth-of-focus photoacoustic microscopy with spatial light modulation. <i>Applied Physics Letters</i> , 2018, 113, 163502.	1.5	11
31	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.	1.5	66
32	Förster Resonance Energy Transfer-Based Dual-Modal Theranostic Nanoprobe for <i>In Situ</i> Visualization of Cancer Photothermal Therapy. <i>Theranostics</i> , 2018, 8, 410-422.	4.6	26
33	Fluorescent and photoacoustic bifunctional probe for the detection of ascorbic acid in biological fluids, living cells and <i>in vivo</i> . <i>Nanoscale</i> , 2018, 10, 17834-17841.	2.8	43
34	<i>In vivo</i> photoacoustic/ultrasonic dual-modality endoscopy with a miniaturized full field-of-view catheter. <i>Journal of Biophotonics</i> , 2018, 11, e201800034.	1.1	55
35	Gold nanocage decorated pH-sensitive micelle for highly effective photothermo-chemotherapy and photoacoustic imaging. <i>Acta Biomaterialia</i> , 2017, 64, 223-236.	4.1	30
36	Advances in Imaging Techniques and Genetically Encoded Probes for Photoacoustic Imaging. <i>Theranostics</i> , 2016, 6, 2414-2430.	4.6	38

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37	Fully integrated reflection-mode photoacoustic, two-photon and second harmonic generation microscopy in vivo. <i>Scientific Reports</i> , 2016, 6, 32240.	1.6	33
38	Functional Photoacoustic Imaging of Gastric Acid Secretion Using pH-Responsive Polyaniline Nanoprobes. <i>Small</i> , 2016, 12, 4690-4696.	5.2	32
39	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.	7.8	136
40	High-speed, sparse-sampling three-dimensional photoacoustic computed tomography in vivo based on principal component analysis. <i>Journal of Biomedical Optics</i> , 2016, 21, 076007.	1.4	19
41	Investigation of angiogenesis in bioactive 3-dimensional poly(d,l-lactide-co-glycolide)/nano-hydroxyapatite scaffolds by in vivo multiphoton microscopy in murine calvarial critical bone defect. <i>Acta Biomaterialia</i> , 2016, 42, 389-399.	4.1	44
42	Nanoparticles for Photoacoustic Imaging. , 2016, , 159-187.		0
43	Indocyanine Green Loaded Reduced Graphene Oxide for In Vivo Photoacoustic/Fluorescence Dual-Modality Tumor Imaging. <i>Nanoscale Research Letters</i> , 2016, 11, 85.	3.1	57
44	Ultrasmall Cu ₂ S Nanodots for Highly Efficient Photoacoustic Imaging-Guided Photothermal Therapy. <i>Small</i> , 2015, 11, 2275-2283.	5.2	184
45	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, 1.	1.4	65
46	A facile synthesis of versatile Cu ₂ S nanoprobe for enhanced MRI and infrared thermal/photoacoustic multimodal imaging. <i>Biomaterials</i> , 2015, 57, 12-21.	5.7	83
47	Dual-color photoacoustic lymph node imaging using nanoformulated naphthalocyanines. <i>Biomaterials</i> , 2015, 73, 142-148.	5.7	111
48	Longitudinal label-free optical-resolution photoacoustic microscopy of tumor angiogenesis in vivo. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 23-9.	1.1	34
49	India Ink Incorporated Multifunctional Phase-transition Nanodroplets for Photoacoustic/Ultrasound Dual-modality Imaging and Photoacoustic Effect Based Tumor Therapy. <i>Theranostics</i> , 2014, 4, 1026-1038.	4.6	67
50	Reflection-mode in vivo photoacoustic microscopy with subwavelength lateral resolution. <i>Biomedical Optics Express</i> , 2014, 5, 4235.	1.5	59
51	Compressed sensing based virtual-detector photoacoustic microscopy in vivo. <i>Journal of Biomedical Optics</i> , 2014, 19, 036003.	1.4	16
52	In vivo photoacoustic molecular imaging of breast carcinoma with folate receptor-targeted indocyanine green nanoprobes. <i>Nanoscale</i> , 2014, 6, 14270-14279.	2.8	67
53	Intravascular Optical-Resolution Photoacoustic Tomography with a 1.1 mm Diameter Catheter. <i>PLoS ONE</i> , 2014, 9, e92463.	1.1	103
54	Biomedical photoacoustics in China. <i>Photoacoustics</i> , 2013, 1, 43-48.	4.4	8

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55	Protein-assisted fabrication of nano-reduced graphene oxide for combined in vivo photoacoustic imaging and photothermal therapy. <i>Biomaterials</i> , 2013, 34, 5236-5243.	5.7	276
56	Compressed sensing photoacoustic tomography in vivo in time and frequency domains. , 2012, , .		4