

Yachao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

899
citations

623188

14
h-index

713013

21
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25
all docs

25
docs citations

25
times ranked

867
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIR-II Biowindow. <i>Advanced Materials</i> , 2020, 32, e2001146.	11.1	204
2	Effective Phototheranostics of Brain Tumor Assisted by Near-Infrared-II Light-Responsive Semiconducting Polymer Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33492-33499.	4.0	100
3	Organic semiconducting polymer amphiphile for near-infrared-II light-triggered phototheranostics. <i>Biomaterials</i> , 2020, 232, 119684.	5.7	96
4	Development of Magnetically-Driven and Image-Guided Degradable Microrobots for the Precise Delivery of Engineered Stem Cells for Cancer Therapy. <i>Small</i> , 2020, 16, e1906908.	5.2	84
5	An Ester-Substituted Semiconducting Polymer with Efficient Nonradiative Decay Enhances NIR-II Photoacoustic Performance for Monitoring of Tumor Growth. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23268-23276.	7.2	76
6	Wide-field polygon-scanning photoacoustic microscopy of oxygen saturation at 1-MHz A-line rate. <i>Photoacoustics</i> , 2020, 20, 100195.	4.4	62
7	Video-Rate Ring-Array Ultrasound and Photoacoustic Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4369-4375.	5.4	45
8	Five-wavelength optical-resolution photoacoustic microscopy of blood and lymphatic vessels. <i>Advanced Photonics</i> , 2021, 3, .	6.2	42
9	Confocal visible/NIR photoacoustic microscopy of tumors with structural, functional, and nanoprobe contrasts. <i>Photonics Research</i> , 2020, 8, 1875.	3.4	25
10	Shaft Diameter Measurement Using Structured Light Vision. <i>Sensors</i> , 2015, 15, 19750-19767.	2.1	24
11	Photoacoustic/Fluorescence Dual-Modality Probe for Biothiol Discrimination and Tumor Diagnosis in Cells and Mice. <i>ACS Sensors</i> , 2022, 7, 1105-1112.	4.0	23
12	Controllable Cleavage of C-N Bond-Based Fluorescent and Photoacoustic Dual-Modal Probes for the Detection of H ₂ S in Living Mice. <i>ACS Applied Bio Materials</i> , 2021, 4, 2020-2025.	2.3	22
13	Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma. <i>Acta Biomaterialia</i> , 2021, 129, 245-257.	4.1	15
14	A multifunctional targeted nanoprobe with high NIR-II PAI/MRI performance for precise theranostics of orthotopic early-stage hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8779-8792.	2.9	15
15	Video-Rate Dual-Modal Wide-Beam Harmonic Ultrasound and Photoacoustic Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 727-736.	5.4	15
16	Self-Fluence-Compensated Functional Photoacoustic Microscopy. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3856-3866.	5.4	14
17	Adaptive dual-speed ultrasound and photoacoustic computed tomography. <i>Photoacoustics</i> , 2022, 27, 100380.	4.4	10
18	Dual-foci fast-scanning photoacoustic microscopy with 3.2-MHz A-line rate. <i>Photoacoustics</i> , 2021, 23, 100292.	4.4	9

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19	An Ester-Substituted Semiconducting Polymer with Efficient Nonradiative Decay Enhances NIR Photoacoustic Performance for Monitoring of Tumor Growth. <i>Angewandte Chemie</i> , 2020, 132, 23468-23476.	1.6	7
20	Research on 3D measurement model by line structure light vision. <i>Eurasip Journal on Image and Video Processing</i> , 2018, 2018, .	1.7	6
21	Two-step proximal gradient descent algorithm for photoacoustic signal unmixing. <i>Photoacoustics</i> , 2022, 27, 100379.	4.4	5
22	Confocal Visible/NIR Photoacoustic Microscopy of Early-stage Tumor with Structural, Functional and Nanoprobe Contrasts. , 2021, , .		0
23	Optical fluence-compensated functional optical-resolution photoacoustic microscopy. , 2021, , .		0
24	Wide-field photoacoustic microscopy of oxygen saturation at 1-MHz A-line rate. , 2021, , .		0