

# Chao Liu

## List of Publications by Year in descending order

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18  
papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Semiconducting Polymer Nanoparticles for Photoacoustic Labeling and Tracking of Stem Cells in the Second Near-Infrared Window. ACS Nano, 2018, 12, 12201-12211.	7.3	127
2	Micro-rocket robot with all-optic actuating and tracking in blood. Light: Science and Applications, 2020, 9, 84.	7.7	100
3	Effective Phototheranostics of Brain Tumor Assisted by Near-Infrared-II Light-Responsive Semiconducting Polymer Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 33492-33499.	4.0	100
4	Single-shot photoacoustic microscopy of hemoglobin concentration, oxygen saturation, and blood flow in sub-microseconds. Photoacoustics, 2020, 17, 100156.	4.4	56
5	Five-wavelength optical-resolution photoacoustic microscopy of blood and lymphatic vessels. Advanced Photonics, 2021, 3, .	6.2	42
6	Optical-resolution photoacoustic microscopy of oxygen saturation with nonlinear compensation. Biomedical Optics Express, 2019, 10, 3061.	1.5	39
7	Characterizing Nanoparticle Swarms With Tuneable Concentrations for Enhanced Imaging Contrast. IEEE Robotics and Automation Letters, 2019, 4, 2942-2949.	3.3	36
8	Single-shot linear dichroism optical-resolution photoacoustic microscopy. Photoacoustics, 2019, 16, 100148.	4.4	29
9	3D printed microstructures for flexible electronic devices. Nanotechnology, 2019, 30, 414001.	1.3	26
10	Controllable Cleavage of C-N Bond-Based Fluorescent and Photoacoustic Dual-Modal Probes for the Detection of H <sub>2</sub> S in Living Mice. ACS Applied Bio Materials, 2021, 4, 2020-2025.	2.3	22
11	Functional photoacoustic microscopy of hemodynamics: a review. Biomedical Engineering Letters, 2022, 12, 97-124.	2.1	21
12	Self-Fluence-Compensated Functional Photoacoustic Microscopy. IEEE Transactions on Medical Imaging, 2021, 40, 3856-3866.	5.4	14
13	Review of photoacoustic imaging for microrobots tracking in vivo [Invited]. Chinese Optics Letters, 2021, 19, 111701.	1.3	13
14	Low-consumption photoacoustic method to measure liquid viscosity. Biomedical Optics Express, 2021, 12, 7139.	1.5	9
15	Two-step proximal gradient descent algorithm for photoacoustic signal unmixing. Photoacoustics, 2022, 27, 100379.	4.4	5
16	Single-Cell Optical-Resolution Photoacoustic Microscopy. , 2018, , .		0
17	A short switching time pulsed laser for functional photoacoustic microscopy (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		0
18	Nonlinear oxygen saturation measurement for functional photoacoustic microscopy (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0