

# Yan Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5189897/publications.pdf>

Version: 2024-02-01

38  
papers

1,520  
citations

331670

21  
h-index

377865

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative blood flow estimation in vivo by optical speckle image velocimetry. <i>Optica</i> , 2021, 8, 1092.	9.3	21
2	An open-source, accurate, and iterative calibration method for liquid-crystal-based spatial light modulators. <i>Optics Communications</i> , 2021, 495, 127108.	2.1	2
3	Quantitative blood flow estimation in vivo by optical speckle image velocimetry: publisher's note. <i>Optica</i> , 2021, 8, 1326.	9.3	2
4	Self-Fluence-Compensated Functional Photoacoustic Microscopy. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3856-3866.	8.9	14
5	Cone photoreceptor dysfunction in retinitis pigmentosa revealed by optoretinography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	45
6	Fluorescence imaging through dynamic scattering media with speckle-encoded ultrasound-modulated light correlation. <i>Nature Photonics</i> , 2020, 14, 511-516.	31.4	38
7	Fighting against Fast Speckle Decorrelation for Light Focusing inside Live Tissue by Photon Frequency Shifting. <i>ACS Photonics</i> , 2020, 7, 837-844.	6.6	11
8	Investigating ultrasound-light interaction in scattering media. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	9
9	Imaging through highly scattering human skulls with ultrasound-modulated optical tomography. <i>Optics Letters</i> , 2020, 45, 2973.	3.3	11
10	Focusing light inside live tissue using reversibly switchable bacterial phytochrome as a genetically encoded photochromic guide star. <i>Science Advances</i> , 2019, 5, eaay1211.	10.3	26
11	Wavefront shaping with disorder-engineered metasurfaces. <i>Nature Photonics</i> , 2018, 12, 84-90.	31.4	205
12	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	10
13	Time-reversed ultrasonically encoded (TRUE) focusing for deep-tissue optogenetic modulation. , 2018, , .		0
14	Optical focusing through biological tissue and tissue-mimicking phantoms up to 9.6 centimeters thick with digital optical phase conjugation. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
15	Deep tissue optical focusing and optogenetic modulation with time-reversed ultrasonically encoded light. <i>Science Advances</i> , 2017, 3, eaao5520.	10.3	60
16	High-speed single-shot optical focusing through dynamic scattering media with full-phase wavefront shaping. <i>Applied Physics Letters</i> , 2017, 111, 221109.	3.3	12
17	Focusing light through scattering media by polarization modulation based generalized digital optical phase conjugation. <i>Applied Physics Letters</i> , 2017, 111, 201108.	3.3	40
18	Sub-Nyquist sampling boosts targeted light transport through opaque scattering media. <i>Optica</i> , 2017, 4, 97.	9.3	27

#	ARTICLE	IF	CITATIONS
19	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. <i>Optica</i> , 2017, 4, 280.	9.3	127
20	Focusing light inside scattering media with magnetic-particle-guided wavefront shaping. <i>Optica</i> , 2017, 4, 1337.	9.3	40
21	In vivo study of optical speckle decorrelation time across depths in the mouse brain. <i>Biomedical Optics Express</i> , 2017, 8, 4855.	2.9	52
22	Focusing light through scattering media by transmission matrix inversion. <i>Optics Express</i> , 2017, 25, 27234.	3.4	51
23	Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. <i>Applied Physics Letters</i> , 2016, 108, 231106.	3.3	22
24	Focusing light through biological tissue and tissue-mimicking phantoms up to 9.6 Åcm in thickness with digital optical phase conjugation. <i>Journal of Biomedical Optics</i> , 2016, 21, 085001.	2.6	55
25	Bit-efficient, sub-millisecond wavefront measurement using a lock-in camera for time-reversal based optical focusing inside scattering media. <i>Optics Letters</i> , 2016, 41, 1321.	3.3	27
26	Focusing light through scattering media by full-polarization digital optical phase conjugation. <i>Optics Letters</i> , 2016, 41, 1130.	3.3	59
27	Single-exposure optical focusing inside scattering media using binarized time-reversed adapted perturbation. <i>Optica</i> , 2015, 2, 869.	9.3	42
28	Optical focusing deep inside dynamic scattering media with near-infrared time-reversed ultrasonically encoded (TRUE) light. <i>Nature Communications</i> , 2015, 6, 5904.	12.8	156
29	High-speed time-reversed ultrasonically encoded (TRUE) optical focusing inside dynamic scattering media at 793 nm. , 2014, , .		2
30	High-Speed Time-Reversed Ultrasonically Encoded (TRUE) Optical Focusing in Dynamic Scattering Media at 793 nm. , 2014, , .		2
31	Time-reversed adapted-perturbation (TRAP) optical focusing onto dynamic objects inside scattering media. <i>Nature Photonics</i> , 2014, 8, 931-936.	31.4	119
32	Sub-diffraction-limited imaging by photobleaching imprinting microscopy. , 2014, , .		0
33	Photobleaching imprinting microscopy: seeing clearer and deeper. <i>Journal of Cell Science</i> , 2013, 127, 288-94.	2.0	12
34	Calibration-free quantification of absolute oxygen saturation based on the dynamics of photoacoustic signals. <i>Optics Letters</i> , 2013, 38, 2800.	3.3	50
35	Quantitative evaluation of scattering in optical coherence tomography skin images using the extended Huygens's Fresnel theorem. <i>Applied Optics</i> , 2013, 52, 1574.	1.8	37
36	Single-cell photoacoustic thermometry. <i>Journal of Biomedical Optics</i> , 2013, 18, 026003.	2.6	60

#	ARTICLE	IF	CITATIONS
37	Optical sectioning by wide-field photobleaching imprinting microscopy. Applied Physics Letters, 2013, 103, 183703.	3.3	8
38	Effects of light scattering on optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2012, 17, 126014.	2.6	64