

# Yuecheng Shen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8134141/publications.pdf>

Version: 2024-02-01

60  
papers

1,439  
citations

257101

24  
h-index

329751

37  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. <i>Optica</i> , 2017, 4, 280.	4.8	127
2	Ultralong photonic nanojet formed by a two-layer dielectric microsphere. <i>Optics Letters</i> , 2014, 39, 4120.	1.7	93
3	Unidirectional reflectionless light propagation at exceptional points. <i>Nanophotonics</i> , 2017, 6, 977-996.	2.9	89
4	Single-Photon Diode by Exploiting the Photon Polarization in a Waveguide. <i>Physical Review Letters</i> , 2011, 107, 173902.	2.9	87
5	Motionless volumetric photoacoustic microscopy with spatially invariant resolution. <i>Nature Communications</i> , 2017, 8, 780.	5.8	68
6	Focusing light through scattering media by full-polarization digital optical phase conjugation. <i>Optics Letters</i> , 2016, 41, 1130.	1.7	59
7	Focusing light through biological tissue and tissue-mimicking phantoms up to 9.6Åcm in thickness with digital optical phase conjugation. <i>Journal of Biomedical Optics</i> , 2016, 21, 085001.	1.4	55
8	Optimization of photonic nanojets generated by multilayer microcylinders with a genetic algorithm. <i>Optics Express</i> , 2019, 27, 1310.	1.7	50
9	Retrieving the optical transmission matrix of a multimode fiber using the extended Kalman filter. <i>Optics Express</i> , 2020, 28, 9487.	1.7	48
10	Harnessing a multi-dimensional fibre laser using genetic wavefront shaping. <i>Light: Science and Applications</i> , 2020, 9, 149.	7.7	44
11	Generalizing the Gerchberg-Saxton algorithm for retrieving complex optical transmission matrices. <i>Photonics Research</i> , 2021, 9, 34.	3.4	42
12	Focusing light through scattering media by polarization modulation based generalized digital optical phase conjugation. <i>Applied Physics Letters</i> , 2017, 111, 201108.	1.5	40
13	Photonic-Fock-state scattering in a waveguide-QED system and their correlation functions. <i>Physical Review A</i> , 2015, 92, .	1.0	37
14	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 076017.	1.4	34
15	Real-time frequency-encoded spatiotemporal focusing through scattering media using a programmable 2D ultrafine optical frequency comb. <i>Science Advances</i> , 2020, 6, eaay1192.	4.7	34
16	Imaging biological tissue with high-throughput single-pixel compressive holography. <i>Nature Communications</i> , 2021, 12, 4712.	5.8	34
17	An ultranarrow photonic nanojet formed by an engineered two-layer microcylinder of high refractive-index materials. <i>Optics Express</i> , 2019, 27, 9178.	1.7	34
18	Nanoparticle sensing using whispering-gallery-mode resonators: Plasmonic and Rayleigh scatterers. <i>Physical Review A</i> , 2012, 85, .	1.0	30

#	ARTICLE	IF	CITATIONS
19	Controlling 1550-nm light through a multimode fiber using a Hadamard encoding algorithm. <i>Optics Express</i> , 2019, 27, 5570.	1.7	30
20	Dichroism-sensitive photoacoustic computed tomography. <i>Optica</i> , 2018, 5, 495.	4.8	29
21	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.	1.7	27
22	Sub-Nyquist sampling boosts targeted light transport through opaque scattering media. <i>Optica</i> , 2017, 4, 97.	4.8	27
23	Switching of the direction of reflectionless light propagation at exceptional points in non-PT-symmetric structures using phase-change materials. <i>Optics Express</i> , 2017, 25, 27283.	1.7	26
24	A thorough study on genetic algorithms in feedback-based wavefront shaping. <i>Journal of Innovative Optical Health Sciences</i> , 2019, 12, .	0.5	26
25	Focusing light inside live tissue using reversibly switchable bacterial phytochrome as a genetically encoded photochromic guide star. <i>Science Advances</i> , 2019, 5, eaay1211.	4.7	26
26	Homogenizing microwave illumination in thermoacoustic tomography by a linear-to-circular polarizer based on frequency selective surfaces. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	25
27	Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. <i>Applied Physics Letters</i> , 2016, 108, 231106.	1.5	22
28	Suppressing excitation effects in microwave induced thermoacoustic tomography by multi-view Hilbert transformation. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	18
29	Synthetic Bessel light needle for extended depth-of-field microscopy. <i>Applied Physics Letters</i> , 2018, 113, 181104.	1.5	17
30	Switching photonic nanostructures between cloaking and superscattering regimes using phase-change materials [Invited]. <i>Optical Materials Express</i> , 2018, 8, 1672.	1.6	17
31	Non-PT-symmetric two-layer cylindrical waveguide for exceptional-point-enhanced optical devices. <i>Optics Express</i> , 2019, 27, 37494.	1.7	17
32	High-speed single-shot optical focusing through dynamic scattering media with full-phase wavefront shaping. <i>Applied Physics Letters</i> , 2017, 111, 221109.	1.5	12
33	High-speed alignment optimization of digital optical phase conjugation systems based on autocovariance analysis in conjunction with orthonormal rectangular polynomials. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	1.4	12
34	Statistical theory of nanoparticle sensing using a whispering-gallery-mode resonator. <i>Physical Review A</i> , 2012, 85, .	1.0	10
35	Exact approach for spatiotemporal dynamics of spontaneous emissions in waveguide quantum electrodynamic systems. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 607.	0.9	10
36	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	10

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37	Feedback-assisted transmission matrix measurement of a multimode fiber in a referenceless system. Optics Letters, 2021, 46, 5542.	1.7	9
38	Ultrafast polarization bio-imaging based on coherent detection and time-stretch techniques. Biomedical Optics Express, 2018, 9, 6556.	1.5	8
39	Efficient glare suppression with Hadamard-encoding-algorithm-based wavefront shaping. Optics Letters, 2019, 44, 4067.	1.7	8
40	Characterization of the spectral memory effect of scattering media. Optics Express, 2021, 29, 26944.	1.7	7
41	Coherent laser detection of the femtowatt-level frequency-shifted optical feedback based on a DFB fiber laser. Optics Letters, 2021, 46, 1229.	1.7	6
42	Delivering targeted color light through a multimode fiber by field synthesis. Optics Express, 2020, 28, 19700.	1.7	6
43	Topological edge states at singular points in non-Hermitian plasmonic systems. Photonics Research, 0, , .	3.4	6
44	Single-shot ultrasound-modulated optical tomography with enhanced speckle contrast. Optics Letters, 2021, 46, 3095.	1.7	5
45	Genetic-algorithm-assisted coherent enhancement absorption in scattering media by exploiting transmission and reflection matrices. Optics Express, 2021, 29, 20353.	1.7	4
46	Modeling of iterative time-reversed ultrasonically encoded optical focusing in a reflection mode. Optics Express, 2021, 29, 30961.	1.7	3
47	Numerical investigation of Rayleigh nanoparticle sensing using a whispering-gallery-mode resonator. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2897.	0.9	2
48	An open-source, accurate, and iterative calibration method for liquid-crystal-based spatial light modulators. Optics Communications, 2021, 495, 127108.	1.0	2
49	Nanoparticle sensing using whispering-gallery-mode resonators: Plasmonic and Rayleigh scatterers. , 2012, , .		1
50	Deep subwavelength optical imaging using correlated nano-torches. Applied Physics Letters, 2013, 103, 201119.	1.5	1
51	Bit-efficient sub-millisecond wavefront measurement using a lock-in camera for time-reversal based optical focusing inside scattering media (Conference Presentation). , 2016, , .		1
52	Using phase-change materials to switch the direction of reflectionless light propagation in non-PT-symmetric structures. , 2018, , .		1
53	Switching between singular points in non-PT-symmetric multilayer structures using phase-change materials. Optics Express, 2021, 29, 454.	1.7	1
54	Statistically driven model for efficient analysis of few-photon transport in waveguide quantum electrodynamics. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 420.	0.9	1

#	ARTICLE	IF	CITATIONS
55	Optical focusing through biological tissue and tissue-mimicking phantoms up to 9.6 centimeters thick with digital optical phase conjugation. Proceedings of SPIE, 2017, , .	0.8	0
56	Switching between singular points and exceptional-point-enhanced sensing in non-Hermitian photonic structures. , 2021, , .		0
57	Single-photon diode by exploiting the photon polarization in a waveguide. , 2012, , .		0
58	Deep subwavelength imaging using multiple correlated narrow slits. , 2014, , .		0
59	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation (Conference Presentation). , 2017, , .		0
60	Non-PT-symmetric Two-layer Waveguides for Exceptional-point-enhanced Optical Devices. , 2020, , .		0