

# Yang

## List of Publications by Year in descending order

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73  
papers

7,431  
citations

331670

21  
h-index

168389

53  
g-index

73  
all docs

73  
docs citations

73  
times ranked

4831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Dispersive Germanium-Doped Coupled Ring-Core Fiber for Vortex Modes. <i>Journal of Lightwave Technology</i> , 2022, 40, 2144-2150.	4.6	6
2	A Low-Cost High-Resolution Solid-State Lidar With Wavelength Division Multiplexed Components and Interleaved Orthogonal Polarization Grating Couplers. <i>Journal of Lightwave Technology</i> , 2022, 40, 2072-2079.	4.6	4
3	Multi-Ring-Air-Core Fiber Supporting Numerous Radially Fundamental OAM Modes. <i>Journal of Lightwave Technology</i> , 2022, 40, 4420-4428.	4.6	8
4	3D joints estimation of human body using part segmentation. <i>Information Sciences</i> , 2022, 603, 1-15.	6.9	1
5	Soliton-Induced Mid-Infrared Dispersive Wave in Horizontally-Slotted Si <sub>3</sub> N <sub>4</sub> Waveguide. <i>IEEE Access</i> , 2022, 10, 62322-62329.	4.2	0
6	1.3-Octave Coherent Supercontinuum Generation of OAM Mode in Ring-Core Fiber With All-Normal Dispersion. <i>IEEE Access</i> , 2022, 10, 76990-76997.	4.2	1
7	Triple Coupled Ring-Core Fiber with Dual Highly Dispersive Windows for Orbital Angular Momentum Mode. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	2
8	Orbital Angular Momentum (OAM) Carried by Asymmetric Vortex Beams for Wireless Communications: Theory, Experiment and Current Challenges. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-10.	2.9	33
9	Solid-State Photonics-Based Lidar With Large Beam-Steering Angle by Seamlessly Merging Two Orthogonally Polarized Beams. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-8.	2.9	15
10	Ultrasensitive Fabry-Perot Strain Sensor Based on Vernier Effect and Tapered FBG-in-Hollow Silica Tube. <i>IEEE Sensors Journal</i> , 2021, 21, 3035-3041.	4.7	20
11	Air-Core Ring Fiber Guiding >400 Radially Fundamental OAM Modes Across S + C + L Bands. <i>IEEE Access</i> , 2021, 9, 75617-75625.	4.2	3
12	Hollow Ring-Core Photonic Crystal Fiber With >500 OAM Modes Over 360-nm Communications Bandwidth. <i>IEEE Access</i> , 2021, 9, 66999-67005.	4.2	9
13	Comparing Performance of Deep Convolution Networks in Reconstructing Soliton Molecules Dynamics from Real-Time Spectral Interference. <i>Photonics</i> , 2021, 8, 51.	2.0	4
14	A Review: Point Cloud-Based 3D Human Joints Estimation. <i>Sensors</i> , 2021, 21, 1684.	3.8	26
15	Special Issue on Enabling Technology in Optical Fiber Communications: From Device, System to Networking. <i>Sensors</i> , 2021, 21, 1969.	3.8	1
16	Transition between optical turbulence and dissipative solitons in a complex Ginzburg-Landau equation with quasi-cw noise. <i>Physical Review A</i> , 2021, 103, .	2.5	0
17	7-Ring-Air-Core Trench-Assisted Fibre Supporting >300 Radially Fundamental OAM Modes Across S+C+L Bands. , 2021, , .		0
18	Space division multiplexing technology based on transverse wavenumber of Lommel-Gaussian beam. <i>Optics Communications</i> , 2021, 488, 126835.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Dispersion Compensating Ring Fibre in the C-Band for OAM Mode. , 2021, , .		0
20	37-Air-Core Chalcogenide Ring Fiber with >4000 Radially Fundamental OAM Modes Across C+L Bands. , 2021, , .		0
21	Beyond Two-Octave OAM Supercontinuum Generation in Germanium-Doped Ring-Core Fiber. , 2021, , .		0
22	Non-zero dispersion-shifted ring fiber for the orbital angular momentum mode. Optics Express, 2021, 29, 25428.	3.4	8
23	Air-Core Non-Zero Dispersion-Shifted Fiber With High-Index Ring for OAM Mode. IEEE Access, 2021, 9, 107804-107811.	4.2	2
24	Two-Octave Supercontinuum Generation of OAM Modes in Ring Fiber. , 2021, , .		0
25	Beyond Octave-Spanning Supercontinuum Generation of Optical Vortices in Ring-Core Photonic Crystal Fiber. , 2021, , .		0
26	Mid-Infrared Coherent Dispersive Wave Generation in Silicon Nitride Slot Waveguide. , 2021, , .		0
27	Solid-State Lidar with Wide Steering Angle Using Counter-Propagating Beams. , 2021, , .		1
28	Low-Cost Solid-State Lidar with Wide Angle of View Using Wavelength Division Multiplexed Laser Array. , 2021, , .		1
29	Detecting Object Open Angle and Direction Using Machine Learning. IEEE Access, 2020, 8, 12300-12306.	4.2	10
30	Ultra-Compact Optical Thermo-Hygrometer Based on Bilayer Micro-Cap on Fiber Facet. IEEE Photonics Technology Letters, 2020, 32, 1089-1092.	2.5	3
31	Beyond Two-Octave Coherent OAM Supercontinuum Generation in Air-Core As <sub>2</sub> S <sub>3</sub> Ring Fiber. IEEE Access, 2020, 8, 96543-96549.	4.2	16
32	Two-Octave Supercontinuum Generation of High-Order OAM Modes in Air-Core As <sub>2</sub> S <sub>3</sub> Ring Fiber. IEEE Access, 2020, 8, 114135-114142.	4.2	15
33	Octave-Spanning Dispersive Slot Waveguide Based Chip-Level Ultrashort Pulse Stretcher. IEEE Access, 2020, 8, 172086-172095.	4.2	0
34	3D Joints Estimation of the Human Body in Single-Frame Point Cloud. IEEE Access, 2020, 8, 178900-178908.	4.2	6
35	1.6-Octave Coherent OAM Supercontinuum Generation in As <sub>2</sub> S <sub>3</sub> Photonic Crystal Fiber. IEEE Access, 2020, 8, 168177-168185.	4.2	18
36	Analysis of real-time spectral interference using a deep neural network to reconstruct multi-soliton dynamics in mode-locked lasers. APL Photonics, 2020, 5, .	5.7	9

#	ARTICLE	IF	CITATIONS
37	Air-Core Ring Fiber With >1000 Radially Fundamental OAM Modes Across O, E, S, C, and L Bands. IEEE Access, 2020, 8, 68280-68287.	4.2	23
38	Three-Octave Supercontinuum Generation Using SiO <sub>2</sub> Cladded Si <sub>3</sub> N <sub>4</sub> Slot Waveguide With All-Normal Dispersion. Journal of Lightwave Technology, 2020, 38, 3431-3438.	4.6	14
39	Enabling Technology in High-Baud-Rate Coherent Optical Communication Systems. IEEE Access, 2020, 8, 111318-111329.	4.2	20
40	Special Issue on Optical Communications and Networking: Prospects in Industrial Applications. Applied Sciences (Switzerland), 2020, 10, 411.	2.5	0
41	Highly dispersive coupled ring-core fiber for orbital angular momentum modes. Applied Physics Letters, 2020, 117, .	3.3	13
42	Polarization Beam Splitter Based on Si <sub>3</sub> N <sub>4</sub> /SiO <sub>2</sub> Horizontal Slot Waveguides for On-Chip High-Power Applications. Sensors, 2020, 20, 2862.	3.8	6
43	19-Ring-Core Chalcogenide Fiber Supporting >2000 Radially Fundamental OAM Modes Across C and L Bands. , 2020, , .		0
44	Hollow Ring-Core Hybrid Photonic Crystal Fiber Supporting >500 OAM Modes Across O, E, S, C, L Bands. , 2020, , .		1
45	7-Air-Core-Ring Fiber Supporting > 400 Radially Fundamental OAM Modes Across C and L Bands. , 2020, , .		0
46	Special Issue on Novel Insights into Orbital Angular Momentum Beams: From Fundamentals, Devices to Applications. Applied Sciences (Switzerland), 2019, 9, 2600.	2.5	3
47	Eye Diagram Measurement-Based Joint Modulation Format, OSNR, ROF, and Skew Monitoring of Coherent Channel Using Deep Learning. Journal of Lightwave Technology, 2019, 37, 5907-5913.	4.6	16
48	Generation of Orbital Angular Momentum Modes Using Fiber Systems. Applied Sciences (Switzerland), 2019, 9, 1033.	2.5	39
49	Object Wedge Angle and Direction Identification Using Machine Learning Algorithms. , 2019, , .		0
50	Special Issue on Advanced DSP Techniques for High-Capacity and Energy-Efficient Optical Fiber Communications. Applied Sciences (Switzerland), 2019, 9, 4470.	2.5	0
51	Increased bandwidth with flattened and low dispersion in a horizontal double-slot silicon waveguide. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 26.	2.1	30
52	Terabit-Scale Orbital Angular Momentum Mode Division Multiplexing in Fibers. Science, 2013, 340, 1545-1548.	12.6	2,330
53	Low loss hollow-core waveguide on a silicon substrate. Nanophotonics, 2012, 1, 23-29.	6.0	31
54	Octave-spanning supercontinuum generation of vortices in an As <sub>2</sub> S <sub>3</sub> ring photonic crystal fiber. Optics Letters, 2012, 37, 1889.	3.3	111

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55	UWB monocycle pulse generation using two-photon absorption in a silicon waveguide. Optics Letters, 2012, 37, 551.	3.3	21
56	Silicon waveguide with four zero-dispersion wavelengths and its application in on-chip octave-spanning supercontinuum generation. Optics Express, 2012, 20, 1685.	3.4	156
57	On-Chip Octave-Spanning Supercontinuum in Nanostructured Silicon Waveguides Using Ultralow Pulse Energy. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1799-1806.	2.9	33
58	Terabit free-space data transmission employing orbital angular momentum multiplexing. Nature Photonics, 2012, 6, 488-496.	31.4	3,471
59	Silicon-on-Nitride Waveguide With Ultralow Dispersion Over an Octave-Spanning Mid-Infrared Wavelength Range. IEEE Photonics Journal, 2012, 4, 126-132.	2.0	34
60	Mode Properties and Propagation Effects of Optical Orbital Angular Momentum (OAM) Modes in a Ring Fiber. IEEE Photonics Journal, 2012, 4, 535-543.	2.0	180
61	Tapped delay-line matched filtering using a high-contrast grating hollow-core waveguide. , 2011, , .		0
62	On-chip two-octave supercontinuum generation by enhancing self-steepening of optical pulses. Optics Express, 2011, 19, 11584.	3.4	70
63	Demonstration of 100-Gbit/s DQPSK data exchange between two different wavelength channels using parametric depletion in a highly nonlinear fiber. , 2010, , .		2
64	Flat and low dispersion in highly nonlinear slot waveguides. Optics Express, 2010, 18, 13187.	3.4	91
65	Flattened dispersion in silicon slot waveguides. Optics Express, 2010, 18, 20529.	3.4	137
66	Highly efficient nonlinearity reduction in silicon-on-insulator waveguides using vertical slots. Optics Express, 2010, 18, 22061.	3.4	18
67	Silicon-on-insulator polarization splitter using two horizontally slotted waveguides. Optics Letters, 2010, 35, 1364.	3.3	71
68	Highly dispersive slot waveguides. Optics Express, 2009, 17, 7095.	3.4	53
69	Higher-order-mode assisted silicon-on-insulator 90 degree polarization rotator. Optics Express, 2009, 17, 20694.	3.4	21
70	Reconfigurable Multifunctional Operation Using Optical Injection-Locked Vertical-Cavity Surface-Emitting Lasers. Journal of Lightwave Technology, 2009, 27, 2958-2963.	4.6	4
71	Highly birefringent elliptical-hole photonic crystal fiber with squeezed hexagonal lattice. Optics Letters, 2007, 32, 469.	3.3	177
72	Proposal for All-Solid Photonic Bandgap Fiber With Improved Dispersion Characteristics. IEEE Photonics Technology Letters, 2007, 19, 1239-1241.	2.5	2

#	ARTICLE	IF	CITATIONS
73	Highly Birefringent Elliptical-Hole Photonic Crystal Fiber With Two Big Circular Air Holes Adjacent to the Core. IEEE Photonics Technology Letters, 2006, 18, 2638-2640.	2.5	27