

Siyuan Yu

List of Publications by Year in descending order

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370
papers

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all docs

371
docs citations

371
times ranked

5778
citing authors

#	ARTICLE	IF	CITATIONS
1	Silica-on-Silicon Waveguide Quantum Circuits. <i>Science</i> , 2008, 320, 646-649.	12.6	888
2	Integrated Compact Optical Vortex Beam Emitters. <i>Science</i> , 2012, 338, 363-366.	12.6	773
3	High-performance hybrid silicon and lithium niobate Mach-Zehnder modulators for 100 Gbit/s and beyond. <i>Nature Photonics</i> , 2019, 13, 359-364.	31.4	691
4	Towards optimal single-photon sources from polarized microcavities. <i>Nature Photonics</i> , 2019, 13, 770-775.	31.4	290
5	High-performance coherent optical modulators based on thin-film lithium niobate platform. <i>Nature Communications</i> , 2020, 11, 3911.	12.8	245
6	An integrated silicon photonic chip platform for continuous-variable quantum key distribution. <i>Nature Photonics</i> , 2019, 13, 839-842.	31.4	196
7	Fast electrical switching of orbital angular momentum modes using ultra-compact integrated vortex emitters. <i>Nature Communications</i> , 2014, 5, 4856.	12.8	149
8	Spiral Transformation for High-Resolution and Efficient Sorting of Optical Vortex Modes. <i>Physical Review Letters</i> , 2018, 120, 193904.	7.8	143
9	18-km low-crosstalk OAM-WDM transmission with 224 individual channels enabled by a ring-core fiber with large high-order mode group separation. <i>Optics Letters</i> , 2018, 43, 1890.	3.3	111
10	Potentials and challenges of using orbital angular momentum communications in optical interconnects. <i>Optics Express</i> , 2015, 23, 3075.	3.4	110
11	Mode-division multiplexed transmission of wavelength-division multiplexing signals over a 100-km single-span orbital angular momentum fiber. <i>Photonics Research</i> , 2020, 8, 1236.	7.0	110
12	Orbital angular momentum vertical-cavity surface-emitting lasers. <i>Optica</i> , 2015, 2, 547.	9.3	108
13	Scalable mode division multiplexed transmission over a 10-km ring-core fiber using high-order orbital angular momentum modes. <i>Optics Express</i> , 2018, 26, 594.	3.4	99
14	Compact and high-performance vortex mode sorter for multi-dimensional multiplexed fiber communication systems. <i>Optica</i> , 2020, 7, 254.	9.3	95
15	Spin-orbit interaction of light induced by transverse spin angular momentum engineering. <i>Nature Communications</i> , 2018, 9, 926.	12.8	92
16	Monolithic quantum-dot distributed feedback laser array on silicon. <i>Optica</i> , 2018, 5, 528.	9.3	85
17	A miniature confocal Raman probe for endoscopic use. <i>Physics in Medicine and Biology</i> , 2009, 54, 7077-7087.	3.0	83
18	The optoelectronic microrobot: A versatile toolbox for micromanipulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14823-14828.	7.1	79

#	ARTICLE	IF	CITATIONS
19	Active Vertical-Coupler-Based Optical Crosspoint Switch Matrix for Optical Packet-Switching Applications. <i>Journal of Lightwave Technology</i> , 2004, 22, 2034-2042.	4.6	66
20	Linear and nonlinear mode interactions in a semiconductor ring laser. <i>IEEE Journal of Quantum Electronics</i> , 2005, 41, 261-271.	1.9	63
21	Etching characteristics of LiNbO ₃ in reactive ion etching and inductively coupled plasma. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	57
22	Orbital angular momentum mode-demultiplexing scheme with partial angular receiving aperture. <i>Optics Express</i> , 2015, 23, 12251.	3.4	57
23	Low-loss two-dimensional silicon photonic grating coupler with a backside metal mirror. <i>Optics Letters</i> , 2018, 43, 474.	3.3	56
24	1-Pbps orbital angular momentum fibre-optic transmission. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	53
25	Orbital-angular-momentum mode-group multiplexed transmission over a graded-index ring-core fiber based on receive diversity and maximal ratio combining. <i>Optics Express</i> , 2018, 26, 4243.	3.4	52
26	Ultra-low temperature silicon nitride photonic integration platform. <i>Optics Express</i> , 2016, 24, 1865.	3.4	50
27	Theoretical model for angular grating-based integrated optical vortex beam emitters. <i>Optics Letters</i> , 2013, 38, 1343.	3.3	49
28	Bistability and Switching Properties of Semiconductor Ring Lasers With External Optical Injection. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 41-48.	1.9	48
29	High-performance polarization management devices based on thin-film lithium niobate. <i>Light: Science and Applications</i> , 2022, 11, 93.	16.6	48
30	High-efficiency hybrid amorphous silicon grating couplers for sub-micron-sized lithium niobate waveguides. <i>Optics Express</i> , 2018, 26, 29651.	3.4	45
31	Patterned Optoelectronic Tweezers: A New Scheme for Selecting, Moving, and Storing Dielectric Particles and Cells. <i>Small</i> , 2018, 14, e1803342.	10.0	41
32	Obstacle evasion in free-space optical communications utilizing Airy beams. <i>Optics Letters</i> , 2018, 43, 1203.	3.3	41
33	Reconfigurable multi-component micromachines driven by optoelectronic tweezers. <i>Nature Communications</i> , 2021, 12, 5349.	12.8	41
34	Unidirectional Bistability in AlGaInAs Microring and Microdisk Semiconductor Lasers. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 88-90.	2.5	40
35	An InP-based vortex beam emitter with monolithically integrated laser. <i>Nature Communications</i> , 2018, 9, 2652.	12.8	40
36	Generation of photonic orbital angular momentum superposition states using vortex beam emitters with superimposed gratings. <i>Optics Express</i> , 2016, 24, 3168.	3.4	39

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37	Storing 2 Bits of Information in a Novel Single Semiconductor Microring Laser Memory Cell. IEEE Photonics Technology Letters, 2008, 20, 1228-1230.	2.5	38
38	Highly efficient thermo-optic tunable micro-ring resonator based on an LNOI platform. Optics Letters, 2020, 45, 6318.	3.3	38
39	Focused ion beam-based fabrication of nanostructured photonic devices. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 1266-1277.	2.9	37
40	Spin and orbital angular momentum and their conversion in cylindrical vector vortices. Optics Letters, 2014, 39, 4435.	3.3	37
41	Bias-drift-free Mach-Zehnder modulators based on a heterogeneous silicon and lithium niobate platform. Photonics Research, 2020, 8, 1958.	7.0	36
42	Michelson interferometer modulator based on hybrid silicon and lithium niobate platform. APL Photonics, 2019, 4, .	5.7	35
43	Arbitrary Multiplication and Division of the Orbital Angular Momentum of Light. Physical Review Letters, 2020, 124, 213901.	7.8	35
44	High modulation efficiency lithium niobate Michelson interferometer modulator. Optics Express, 2019, 27, 18731.	3.4	35
45	Low-noise 1.3- μm InAs/GaAs quantum dot laser monolithically grown on silicon. Photonics Research, 2018, 6, 1062.	7.0	35
46	Analysis of Dynamic Switching Behavior of Bistable Semiconductor Ring Lasers Triggered by Resonant Optical Pulse Injection. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 1227-1234.	2.9	32
47	Mode Division Multiplexing Based on Ring Core Optical Fibers. IEEE Journal of Quantum Electronics, 2018, 54, 1-18.	1.9	32
48	Characterization of the temperature sensitivity of gain and recombination mechanisms in 1.3- μm AlGaInAs MQW lasers. IEEE Journal of Quantum Electronics, 2005, 41, 132-139.	1.9	31
49	Subcarrier modulated transmission of 2.5 Gb/s over 300 m of 62.5- μm -core diameter multimode fiber. IEEE Photonics Technology Letters, 2002, 14, 1743-1745.	2.5	30
50	Calculation of losses in 2-D photonic Crystal membrane waveguides using the 3-D FDTD method. IEEE Photonics Technology Letters, 2005, 17, 58-60.	2.5	29
51	All-Optical Response of Semiconductor Ring Laser to Dual-Optical Injections. IEEE Photonics Technology Letters, 2008, 20, 770-772.	2.5	29
52	Performance evaluation of analog signal transmission in an integrated optical vortex emitter to 36-km few-mode fiber system. Optics Letters, 2016, 41, 1969.	3.3	29
53	Winding light beams along elliptical helical trajectories. Physical Review A, 2016, 94, .	2.5	28
54	On-chip switchable radially and azimuthally polarized vortex beam generation. Optics Letters, 2018, 43, 1263.	3.3	28

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55	Electrically pumped widely tunable O-band hybrid lithium niobite/III-V laser. <i>Optics Letters</i> , 2021, 46, 5413.	3.3	28
56	Experimental characteristics of optical crosspoint switch matrix and its applications in optical packet switching. <i>Journal of Lightwave Technology</i> , 2006, 24, 3646-3653.	4.6	27
57	Integrated Small-Sized Semiconductor Ring Laser With Novel Retro-Reflector Cavity. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 99-101.	2.5	27
58	Fast and Digitally Wavelength-Tunable Semiconductor Ring Laser Using a Monolithically Integrated Distributed Bragg Reflector. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1926-1928.	2.5	27
59	Tailoring accelerating beams in phase space. <i>Physical Review A</i> , 2017, 95, .	2.5	27
60	Orbital angular momentum vector modes (de)multiplexer based on multimode micro-ring. <i>Optics Express</i> , 2018, 26, 29895.	3.4	27
61	Tailoring solid-state single-photon sources with stimulated emissions. <i>Nature Nanotechnology</i> , 2022, 17, 470-476.	31.5	27
62	Packet Switching Performance at 10 Gb/s Across a 4×4 Optical Crosspoint Switch Matrix. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 102-104.	2.5	26
63	A new orthogonal labeling scheme based on a 40-Gb/s DPSK payload and a 2.5-Gb/s PolSK label. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 2772-2774.	2.5	24
64	High-efficiency wideband SiN _x -on-SOI grating coupler with low fabrication complexity. <i>Optics Letters</i> , 2017, 42, 3391.	3.3	24
65	Orbital angular momentum modes emission from a silicon photonic integrated device for km-scale data-carrying fiber transmission. <i>Optics Express</i> , 2018, 26, 15471.	3.4	24
66	Generation and transmission performance of 40-Gbit/s polarisation shift keying signal. <i>Electronics Letters</i> , 2005, 41, 547.	1.0	23
67	Generation and Modulation of Tunable mm-Wave Optical Signals Using Semiconductor Ring Laser. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 733-735.	2.5	23
68	Flat Optical Frequency Comb Generator Based on Integrated Lithium Niobate Modulators. <i>Journal of Lightwave Technology</i> , 2022, 40, 339-345.	4.6	23
69	Sorting full angular momentum states with Pancharatnam-Berry metasurfaces based on spiral transformation. <i>Optics Express</i> , 2020, 28, 16342.	3.4	23
70	Lossless optical packet multicast using active vertical coupler based optical crosspoint switch matrix. <i>Journal of Lightwave Technology</i> , 2005, 23, 2984-2992.	4.6	21
71	Neural Network Based Perturbation-Location Fiber Specklegram Sensing System Towards Applications With Limited Number of Training Samples. <i>Journal of Lightwave Technology</i> , 2021, 39, 6315-6326.	4.6	21
72	All-Optical Label Swapping Using Bistable Semiconductor Ring Laser in an Optical Switching Node. <i>Journal of Lightwave Technology</i> , 2009, 27, 631-638.	4.6	20

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73	A deterministic quantum dot micropillar single photon source with >65% extraction efficiency based on fluorescence imaging method. Scientific Reports, 2017, 7, 13986.	3.3	20
74	Generalised Hermiteâ€“Gaussian beams and mode transformations. Journal of Optics (United Kingdom), 2016, 18, 055001.	2.2	19
75	Compact high-efficiency vortex beam emitter based on a silicon photonics micro-ring. Optics Letters, 2018, 43, 1319.	3.3	19
76	Demonstration of high-speed optical packet routing using vertical coupler crosspoint space switch array. Electronics Letters, 2000, 36, 556.	1.0	18
77	Theoretical and Experimental Studies on Bistability in Semiconductor Ring Lasers With Two Optical Injections. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 903-910.	2.9	18
78	All-optical Digital Logic Gates using Bistable Semiconductor Ring Lasers. Journal of Optical Communications, 2009, 30, .	4.7	18
79	Folded Heterogeneous Silicon and Lithium Niobate Machâ€“Zehnder Modulators with Low Drive Voltage. Micromachines, 2021, 12, 823.	2.9	18
80	Mode locking in large monolithic semiconductor ring lasers. Optical Engineering, 1998, 37, 1164.	1.0	17
81	Highly flexible 4/spl times/4 optical crosspoint packet switch matrix for optical multicast operations. IEEE Photonics Technology Letters, 2005, 17, 911-913.	2.5	17
82	Characterization of 1/spl times/N broadcast and 2/spl times/N multicast packet switching using active-vertical-coupler-based optical crosspoint switch. Journal of Lightwave Technology, 2006, 24, 2978-2985.	4.6	17
83	High-Speed Modulator With Integrated Termination Resistor Based on Hybrid Silicon and Lithium Niobate Platform. Journal of Lightwave Technology, 2021, 39, 1108-1115.	4.6	17
84	Hybrid Silicon and Lithium Niobate Modulator. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-12.	2.9	17
85	Soliton frequency comb generation in CMOS-compatible silicon nitride microresonators. Photonics Research, 2022, 10, 1290.	7.0	17
86	Improve the performance of orthogonal ASK/DPSK optical label switching by DC-balanced line encoding. Journal of Lightwave Technology, 2006, 24, 1082-1092.	4.6	16
87	Optical Properties of Barium Strontium Titanate (BST) Ferroelectric Thin Films. Ferroelectrics, Letters Section, 2007, 34, 149-154.	1.0	16
88	Characterization of All-Optical Regeneration Potentials of a Bistable Semiconductor Ring Laser. Journal of Lightwave Technology, 2009, 27, 4233-4240.	4.6	16
89	All-optical digital logic AND and XOR gates using four-wave-mixing in monolithically integrated semiconductor ring lasers. Electronics Letters, 2009, 45, 698.	1.0	16
90	Frequency-Domain Model of Longitudinal Mode Interaction in Semiconductor Ring Lasers. IEEE Journal of Quantum Electronics, 2012, 48, 406-418.	1.9	16

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91	High-efficiency broadband second harmonic generation in single hexagonal GaAs nanowire. Scientific Reports, 2017, 7, 2166.	3.3	16
92	Construction, characteristics, and constraints of accelerating beams based on caustic design. Optics Express, 2018, 26, 32728.	3.4	16
93	All-dielectric metasurface grating for on-chip multi-channel orbital angular momentum generation and detection. Optics Express, 2019, 27, 18794.	3.4	16
94	80-Channel WDM-MDM Transmission over 50-km Ring-Core Fiber Using a Compact OAM DEMUX and Modular 4Å—4 MIMO Equalization. , 2019, , .		16
95	High-Performance Polarization Splitter-Rotator Based on Lithium Niobate-on-Insulator Platform. IEEE Photonics Technology Letters, 2021, 33, 1423-1426.	2.5	16
96	Ultra-broadband and low-loss edge coupler for highly efficient second harmonic generation in thin-film lithium niobate. , 2022, 1, .		16
97	Design and optimization of optical modulators based on graphene-on-silicon nitride microring resonators. Journal of Optics (United Kingdom), 2017, 19, 045801.	2.2	15
98	Integrated thin film lithium niobate Fabryâ€“Perot modulator [Invited]. Chinese Optics Letters, 2021, 19, 060003.	2.9	15
99	Low-loss and broadband fiber-to-chip coupler by 3D fabrication on a silicon photonic platform. Optics Letters, 2020, 45, 1236.	3.3	15
100	A Fully Functional Application-aware Optical Burst Switched Network Test-bed. , 2007, , .		14
101	Modulation Bandwidth Enhancement in Optical Injection-Locked Semiconductor Ring Laser. IEEE Photonics Technology Letters, 2009, 21, 1792-1794.	2.5	14
102	Integrated optical vortex beam receivers. Optics Express, 2016, 24, 28529.	3.4	14
103	Decision-Feedback Frequency-Domain Volterra Nonlinear Equalizer for IM/DD OFDM Long-Reach PON. Journal of Lightwave Technology, 2019, 37, 3333-3342.	4.6	14
104	2-to-4 optical multicast using active vertical coupler optical crosspoint switch matrix. IEEE Photonics Technology Letters, 2006, 18, 286-288.	2.5	13
105	Fabrication and characterizations of proton-exchanged LiNbO3 waveguides fabricated by inductively coupled plasma technique. Applied Physics Letters, 2006, 88, 142905.	3.3	13
106	A large variable delay, fast reconfigurable optical buffer based on multi-loop configuration and an optical crosspoint switch matrix. , 2006, , .		13
107	Integrating Graphene/MoS₂ Heterostructure with SiN_x Waveguide for Visible Light Detection at 532â€“nm Wavelength. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800338.	2.4	13
108	Nonlinearity-Aware Adaptive Bit and Power Loading DMT Transmission Over Low-Crosstalk Ring-Core Fiber With Mode Group Multiplexing. Journal of Lightwave Technology, 2020, 38, 5875-5882.	4.6	13

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109	Tunable Orbital Angular Momentum Converter Based on Integrated Multiplexers. <i>Journal of Lightwave Technology</i> , 2021, 39, 91-97.	4.6	13
110	Multiple recirculations through Crosspoint switch fabric for recirculating optical buffering. <i>Electronics Letters</i> , 2005, 41, 1136.	1.0	12
111	Injection Locking and Switching Operations of a Novel Retro-Reflector-Cavity-Based Semiconductor Micro-Ring Laser. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1673-1675.	2.5	12
112	Nonlinear Gain in Semiconductor Ring Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 1055-1064.	1.9	12
113	Contention resolution and variable length optical packet switching using the active vertical-coupler-based optical Crosspoint switch. <i>Optical Switching and Networking</i> , 2011, 8, 86-92.	2.0	12
114	Self-imaging of orbital angular momentum (OAM) modes in rectangular multimode interference waveguides. <i>Optics Express</i> , 2015, 23, 5014.	3.4	12
115	Fast Polarization-Insensitive Optical Switch Based on Hybrid Silicon and Lithium Niobate Platform. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1838-1841.	2.5	12
116	Dual-resonance enhanced quantum light-matter interactions in deterministically coupled quantum-dot-micropillars. <i>Light: Science and Applications</i> , 2021, 10, 158.	16.6	12
117	Low-noise Kerr frequency comb generation with low temperature deuterated silicon nitride waveguides. <i>Optics Express</i> , 2021, 29, 29557.	3.4	12
118	Realizing topological edge states in a silicon nitride microring-based photonic integrated circuit. <i>Optics Letters</i> , 2016, 41, 4791.	3.3	12
119	4 OAM x 4 WDM Optical Switching Based on an Innovative Integrated Tunable OAM Multiplexer. , 2018, , .		12
120	SDM transmission of orbital angular momentum mode channels over a multi-ring-core fibre. <i>Nanophotonics</i> , 2022, 11, 873-884.	6.0	12
121	Directional Bistability in Novel Semiconductor Ring Lasers With Retro-Reflector Microcavity. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1048-1050.	2.5	11
122	Configurable all-optical multicast using cavity-enhanced four wave mixing in semiconductor ring laser. <i>Electronics Letters</i> , 2008, 44, 1374.	1.0	11
123	Use of antibody-hapten complexes attached to optical sensor surfaces as a substrate for proteases: Real-time biosensing of protease activity. <i>Talanta</i> , 2010, 81, 68-75.	5.5	11
124	Demonstration of diamond microlens structures by a three-dimensional (3D) dual-mask method. <i>Optics Express</i> , 2017, 25, 15572.	3.4	11
125	Low-complexity sparse absolute-term based nonlinear equalizer for C-band IM/DD systems. <i>Optics Express</i> , 2021, 29, 21891.	3.4	11
126	Time-slot assignment using optical buffer with a large variable delay range based on AVC crosspoint switch. <i>Journal of Lightwave Technology</i> , 2006, 24, 2994-3001.	4.6	10

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127	Advanced optical packet switching functions using active vertical-couplers-based optical switch matrix. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 817-827.	2.9	10
128	Dynamic Switching Response of Semiconductor Ring Lasers to NRZ and RZ Injection Signals. IEEE Photonics Technology Letters, 2008, 20, 785-787.	2.5	10
129	Optical static random access memory cell using an integrated semiconductor ring laser. , 2009, , .		10
130	SiN _x interlayer coupler using a gradient index metamaterial. Optics Letters, 2019, 44, 1230.	3.3	10
131	First Demonstration of Orbital Angular Momentum (OAM) Distributed Raman Amplifier over 18-km OAM Fiber with Data-Carrying OAM Multiplexing and Wavelength-Division Multiplexing. , 2018, , .		10
132	Compact substrate-removed thin-film lithium niobate electro-optic modulator featuring polarization-insensitive operation. Optics Letters, 2022, 47, 1818.	3.3	10
133	1120-channel OAM-MDM-WDM transmission over a 100-km single-span ring-core fiber using low-complexity 4 \times 4 MIMO equalization. Optics Express, 2022, 30, 18199.	3.4	10
134	Optical label Processing and 10-gb/s variable length optical packet switching using a 4 /spl times/ 4 optical crosspoint switch. IEEE Photonics Technology Letters, 2005, 17, 1085-1087.	2.5	9
135	Optically Triggered Monostable and Bistable Flip-Flop Operation of a Monolithic Semiconductor Ring Laser. , 2007, , .		9
136	Nano-Imprinting of Highly Ordered Nano-Pillars of Lithium Niobate (LiNbO3). Ferroelectrics, 2012, 429, 62-68.	0.6	9
137	Optical generation of tunable and narrow linewidth radio frequency signal based on mutual locking between integrated semiconductor lasers. Photonics Research, 2014, 2, B11.	7.0	9
138	Pattern manipulation via on-chip phase modulation between orbital angular momentum beams. Applied Physics Letters, 2015, 107, 051102.	3.3	9
139	Measuring the Orbital Angular Momentum State of Light by Coordinate Transformation. IEEE Photonics Technology Letters, 2017, 29, 86-89.	2.5	9
140	10 OAM \times 16 Wavelengths Two-Layer Switch Based on an Integrated Mode Multiplexer for 19.2 \times Tb/s Data Traffic. Journal of Lightwave Technology, 2021, 39, 3217-3224.	4.6	9
141	A novel ring-core fiber supporting MIMO-free 50km transmission over high-order OAM modes. , 2019, , .		9
142	Characterizing a 14 \times 14 OAM mode transfer matrix of a ring-core fiber based on quadrature phase-shift interference. Optics Letters, 2017, 42, 1257.	3.3	9
143	Highly adjustable helical beam: design and propagation characteristics (Invited Paper). Chinese Optics Letters, 2017, 15, 030011-30015.	2.9	9
144	Fabrication of InGaAsP Double Shallow Ridge Rectangular Ring Laser With Total Internal Reflection Mirror by Cascade Etching Technique. IEEE Photonics Technology Letters, 2007, 19, 1714-1716.	2.5	8

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145	Lasing Mode Hysteresis Characteristics in Semiconductor Ring Lasers. IEEE Journal of Quantum Electronics, 2008, 44, 1171-1179.	1.9	8
146	Orbital angular momentum (OAM) modes routing in a ring fiber based directional coupler. Optics Communications, 2015, 350, 160-164.	2.1	8
147	Accurate Mode-Coupling Characterization of Low-Crosstalk Ring-Core Fibers Using Integral Calculation Based Swept-Wavelength Interferometry Measurement. Journal of Lightwave Technology, 2021, 39, 6479-6486.	4.6	8
148	All-optical label swapping using bistable semiconductor ring laser. , 2008, , .		8
149	Comparison of LiNbO ₃ flux systems for deposition on RIE-etched LiTaO ₃ substrates. Journal Physics D: Applied Physics, 2007, 40, 7480-7484.	2.8	7
150	Orbital Angular Momentum Divider of Light. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	7
151	A graded index ring-core fiber supporting 22 OAM states. , 2017, , .		7
152	High-directional vortex beam emitter based on Archimedean spiral adiabatic waveguides. Optics Letters, 2017, 42, 975.	3.3	7
153	Bright and pure single-photons from quantum dots in micropillar cavities under up-converted excitation. Science Bulletin, 2018, 63, 739-742.	9.0	7
154	Wafer-Scale Epitaxial Low Density InAs/GaAs Quantum Dot for Single Photon Emitter in Three-Inch Substrate. Nanomaterials, 2021, 11, 930.	4.1	7
155	Low Complexity Frequency-Domain Nonlinear Equalization for 40-Gb/s/wavelength Long-Reach PON. , 2018, , .		7
156	Spectral self-imaging of optical orbital angular momentum modes. APL Photonics, 2021, 6, .	5.7	7
157	Technological challenges for CW operation of small-radius semiconductor ring lasers. , 2006, 6184, 237.		6
158	Resilient Free-Space Image Transmission with Helical Beams. Physical Review Applied, 2019, 12, .	3.8	6
159	Self-learning Routing for Optical Networks. Lecture Notes in Computer Science, 2020, , 467-478.	1.3	6
160	All-optical flip-flop and digital inverter functions using a monolithic semiconductor ring laser. , 2007, , .		6
161	3.36-Tbit/s OAM and Wavelength Multiplexed Transmission over an Inverse-Parabolic Graded Index Fiber. , 2017, , .		6
162	Design and simulation of a photonic crystal waveguide filter using the FDTD method. , 0, , .		5

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163	Demonstration of optical label detection and 10 Gbit/s packet routing using 4×4 optical crosspoint switch. <i>Electronics Letters</i> , 2005, 41, 491.	1.0	5
164	Multiple packet recirculation in an optical buffer using a crosspoint switch. , 2005, , .		5
165	Proton exchange and diffusion in LiNbO ₃ using inductance coupled high density plasma. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 1161.	1.3	5
166	All-optical digital logic XOR gate using bistable semiconductor ring lasers. , 2009, , .		5
167	Manipulating optical vortices using integrated photonics. <i>Frontiers of Optoelectronics</i> , 2016, 9, 194-205.	3.7	5
168	Precise characterization of self-catalyzed III-V nanowire heterostructures via optical second harmonic generation. <i>Nanotechnology</i> , 2017, 28, 395701.	2.6	5
169	Efficient four-way vertical coupler array for chip-scale space-division-multiplexing applications. <i>Optics Letters</i> , 2021, 46, 4324.	3.3	5
170	360-Channel WDM-MDM Transmission over 25-km Ring-Core Fiber with Low-Complexity Modular 4×4 MIMO Equalization. , 2021, , .		5
171	Highly compact, low loss silica based 2DIO wavelength filter for WDM datacommunications networks. , 0, , .		4
172	Analysis of losses in 2D photonic crystal waveguides using the 3D finite difference time domain (FDTD) method. , 0, , .		4
173	Compact integrated silica wavelength filters. <i>IEEE Photonics Technology Letters</i> , 2002, 14, 1303-1305.	2.5	4
174	4×4 optical cross-point packet switch matrix with minimized path-dependent optical gain. <i>Optics Letters</i> , 2003, 28, 2252.	3.3	4
175	Electroabsorption-Modulated DFB Laser Integrated With Dual-Core Spot-Size Converters. <i>Journal of Lightwave Technology</i> , 2007, 25, 2213-2218.	4.6	4
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