

Li Shen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,160
citations

394421

19
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

1352
citing authors

#	ARTICLE	IF	CITATIONS
1	High-speed detection at two micrometres with monolithic silicon photodiodes. Nature Photonics, 2015, 9, 393-396.	31.4	192
2	Silicon-Based Photonic Integration Beyond the Telecommunication Wavelength Range. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 394-404.	2.9	106
3	Mid-infrared all-optical modulation in low-loss germanium-on-silicon waveguides. Optics Letters, 2015, 40, 268.	3.3	74
4	Demonstration of 20-Gbit/s high-speed Bessel beam encoding/decoding link with adaptive turbulence compensation. Optics Letters, 2016, 41, 4680.	3.3	66
5	Silicon-based heterogeneous photonic integrated circuits for the mid-infrared. Optical Materials Express, 2013, 3, 1523.	3.0	65
6	Silicon-based four-mode division multiplexing for chip-scale optical data transmission in the 2- μm waveband. Photonics Research, 2019, 7, 1030.	7.0	54
7	Tapered polysilicon core fibers for nonlinear photonics. Optics Letters, 2016, 41, 1360.	3.3	51
8	Enhanced all-optical modulation in a graphene-coated fibre with low insertion loss. Scientific Reports, 2016, 6, 23512.	3.3	43
9	Subwavelength grating slot (SWGS) waveguide on silicon platform. Optics Express, 2017, 25, 18250.	3.4	39
10	Compact tunable electromagnetically induced transparency and Fano resonance on silicon platform. Optics Express, 2017, 25, 25655.	3.4	36
11	Low-loss silicon core fibre platform for mid-infrared nonlinear photonics. Light: Science and Applications, 2019, 8, 105.	16.6	36
12	Wavelength Conversion and Supercontinuum Generation in Silicon Optical Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9.	2.9	35
13	Crystalline Silicon Optical Fibers with Low Optical Loss. ACS Photonics, 2016, 3, 378-384.	6.6	34
14	Two-photon absorption and all-optical modulation in germanium-on-silicon waveguides for the mid-infrared. Optics Letters, 2015, 40, 2213.	3.3	27
15	Graphene-Based Fiber Polarizer With PVB-Enhanced Light Interaction. Journal of Lightwave Technology, 2016, 34, 3563-3567.	4.6	25
16	Reconfigurable and tunable compact comb filter and (de)interleaver on silicon platform. Optics Express, 2018, 26, 4358.	3.4	22
17	Four-Wave Mixing-Based Wavelength Conversion and Parametric Amplification in Submicron Silicon Core Fibers. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	2.9	22
18	All-fibre heterogeneously-integrated frequency comb generation using silicon core fibre. Nature Communications, 2022, 13, .	12.8	21

#	ARTICLE	IF	CITATIONS
37	Demonstration of on-chip 640-Gbit/s throughput, granularity-flexible programmable optical filtering and reconfigurable optical add/drop multiplexing on silicon platform. , 2018, , .		2
38	Graphene-assisted multiple-input high-base optical computing. , 2016, , .		1
39	Semiconductor optical fibers for nonlinear applications. , 2016, , .		1
40	Experimental demonstration of broadband generation of optical vortices using asymmetrically spliced fibers. , 2018, , .		1
41	Functionalized optical fibers for non-linear optics. , 2016, , .		1
42	Demonstration of on-chip tunable Fano resonance based on interference between microring resonator and Fabry-Perot cavity. , 2017, , .		1
43	Experimental demonstration of wavelength- and bandwidth-tunable compact integrated silicon photonic comb filter. , 2017, , .		0
44	Asymmetric optical mode conversion by quasi PT-symmetric waveguide structure. , 2017, , .		0
45	Stimulated Raman Scattering in a Tapered Submicron Silicon Core Fiber. , 2021, , .		0
46	Design of compact orbital angular momentum (OAM) beams generator on an integrated silicon platform. , 2016, , .		0
47	Experimental Demonstration of 20-Gbit/s Data Transmission Link using a 1.1 km Elliptical-Core Few-Mode Fiber assisted by Mapping from Conventional Amplitude Modulation to Spatial Mode Modulation. , 2017, , .		0
48	Experimental demonstration of silicon strip and slot waveguides for 2 1/4m chip-scale optical data transmission. , 2017, , .		0
49	Demonstration of Hybrid Orbital Angular Momentum (OAM) and Gaussian Mode Encoding/Decoding for 10-Gbit/s Data Transmission through a 2.6-km Conventional Graded-Index Multimode (OM3) Fiber. , 2017, , .		0
50	Raman Enhanced Four-Wave Mixing in Silicon Core Fibers. , 2021, , .		0