

Brillouin integrated photonics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Hybrid Integrated Semiconductor Lasers with Silicon Nitride Feedback Circuits. <i>Photonics</i> , 2020, 7, 4.	0.9	63
2	Observation of Stimulated Brillouin Scattering in Silicon Nitride Integrated Waveguides. <i>Physical Review Letters</i> , 2020, 124, 013902.	2.9	67
3	Intense Brillouin amplification in gas using hollow-core waveguides. <i>Nature Photonics</i> , 2020, 14, 700-708.	15.6	54
4	Multidimensional synthetic chiral-tube lattices via nonlinear frequency conversion. <i>Light: Science and Applications</i> , 2020, 9, 132.	7.7	30
5	Reconfigurable radiofrequency filters based on versatile soliton microcombs. <i>Nature Communications</i> , 2020, 11, 4377.	5.8	38
6	Tunable microwave-photonic filtering with high out-of-band rejection in silicon. <i>APL Photonics</i> , 2020, 5, .	3.0	31
7	Acousto-optic modulation in lithium niobate on sapphire. <i>APL Photonics</i> , 2020, 5, 086104.	3.0	43
8	Microstructure and domain engineering of lithium niobate crystal films for integrated photonic applications. <i>Light: Science and Applications</i> , 2020, 9, 197.	7.7	89
9	Silicon-based multimode waveguide crossings. <i>JPhys Photonics</i> , 2020, 2, 022002.	2.2	10
10	Analogue of electromagnetically induced absorption in the microwave domain using stimulated Brillouin scattering. <i>Communications Physics</i> , 2020, 3, .	2.0	9
11	Broadband Brillouin Phase Shifter Utilizing RF Interference: Experimental Demonstration and Theoretical Analysis. <i>Journal of Lightwave Technology</i> , 2020, 38, 3624-3636.	2.7	12
12	Chip-Based Optical Isolator and Nonreciprocal Parity-Time Symmetry Induced by Stimulated Brillouin Scattering. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900278.	4.4	31
13	Crosstalk reduction of integrated optical waveguides with nonuniform subwavelength silicon strips. <i>Scientific Reports</i> , 2020, 10, 4491.	1.6	21
14	ARRAW: anti-resonant reflecting acoustic waveguides. <i>New Journal of Physics</i> , 2020, 22, 053011.	1.2	6
15	Shaping nonlinear optical response using nonlocal forward Brillouin interactions. <i>New Journal of Physics</i> , 2020, 22, 043017.	1.2	11
16	Photonic integration for UV to IR applications. <i>APL Photonics</i> , 2020, 5, .	3.0	67
17	Multitasking and Cascadable Microwave Photonic Signal Processing Topologies with Silicon Photonic Technologies. <i>Fiber and Integrated Optics</i> , 2020, 39, 70-96.	1.7	3
18	Dynamic Filtering of Microwave Signals Through Brillouin-Based Polarization-Sensitive Balanced Detection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-6.	1.9	8

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19	On the Use of Brillouin Scattering to Evaluate Quantum Conversion Efficiency in Yb-doped Optical Fibers. <i>Journal of Lightwave Technology</i> , 2021, 39, 4158-4165.	2.7	4
20	Narrowband microwave-photonic notch filtering using Brillouin interactions in silicon. , 2021, , .		2
21	Efficient Microwave Photonic Bandpass Filter With Large Out-of-Band Rejection, High-Resolution and Low Loss up to 40 GHz. <i>Journal of Lightwave Technology</i> , 2021, 39, 6724-6732.	2.7	9
22	Brillouin mirror with an inverted acoustic profile in the presence of strong acoustic dispersion. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 456.	0.9	0
23	Gigahertz Phononic Integrated Circuits on Thin-Film Lithium Niobate on Sapphire. <i>Physical Review Applied</i> , 2021, 15, .	1.5	34
24	Processing light with an optically tunable mechanical memory. <i>Nature Communications</i> , 2021, 12, 663.	5.8	17
25	Fiber-based angular filtering for high-resolution Brillouin spectroscopy in the 20-300â€¦GHz frequency range. <i>Optics Express</i> , 2021, 29, 2637.	1.7	4
26	Influence of water parameters on threshold value and gain coefficient of stimulated Brillouin scattering. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021, 70, 154205.	0.2	0
27	Microwave photonic notch filter with integrated phase-to-intensity modulation transformation and optical carrier suppression. <i>Optics Letters</i> , 2021, 46, 488.	1.7	18
28	Designing of strongly confined short-wave Brillouin phonons in silicon waveguide periodic lattices. <i>Optics Express</i> , 2021, 29, 1736.	1.7	5
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30	Amplification of Stimulated Raman Scattering in Media with a Near-Zero Refractive Index. <i>JETP Letters</i> , 2021, 113, 140-144.	0.4	2
31	Brillouin-Kerr Soliton Frequency Combs in an Optical Microresonator. <i>Physical Review Letters</i> , 2021, 126, 063901.	2.9	74
32	Circulatorâ€Free Brillouin Photonic Planar Circuit. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000481.	4.4	10
33	Vertical Engineering for Large Brillouin Gain in Unreleased Silicon-Based Waveguides. <i>Physical Review Applied</i> , 2021, 15, .	1.5	5
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39	Gigahertz Nano-Optomechanical Resonances in a Dielectric SiC-Membrane Metasurface Array. <i>Nano Letters</i> , 2021, 21, 4563-4569.	4.5	13
40	Towards single-chip radiofrequency signal processing via acoustoelectric electron-phonon interactions. <i>Nature Communications</i> , 2021, 12, 2769.	5.8	27
41	Thin-suspended 2D materials: facile, versatile, and deterministic transfer assembly. <i>2D Materials</i> , 2021, 8, 035028.	2.0	4
42	Picosecond acoustic dynamics in stimulated Brillouin scattering. <i>Optics Letters</i> , 2021, 46, 2972.	1.7	4
43	Frequency-resolved photon correlations in cavity optomechanics. <i>Quantum Science and Technology</i> , 2021, 6, 034005.	2.6	8
44	Optical characterization of Ge ₁₁ As ₂₄ S ₆₄ glass for an on-chip supercontinuum. <i>Applied Optics</i> , 2021, 60, 5451.	0.9	2
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55	Visible light photonic integrated Brillouin laser. <i>Nature Communications</i> , 2021, 12, 4685.	5.8	52

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57	Stimulated Brillouin Scattering in Low-Loss Ge ₂₅ Sb ₁₀ S ₆₅ Chalcogenide Waveguides. Journal of Lightwave Technology, 2021, 39, 5048-5053.	2.7	14
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68	Integrated microwave photonic filters. Advances in Optics and Photonics, 2020, 12, 485.	12.1	111
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179	Strong optomechanical interactions with long-lived fundamental acoustic waves. <i>Optica</i> , 2023, 10, 206.	4.8	3
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