Fang Bo

List of Publications by Year
in descending order

84 papers	2,164 citations	218677 26 h-index	233421 45 g-index
84 all docs	84 docs citations	84 times ranked	1460 citing authors

#	ARTICLE	IF	CITATIONS
1	Optomechanically induced stochastic resonance and chaos transfer between optical fields. Nature Photonics, 2016, 10, 399-405.	31.4	185
2	Advances in on-chip photonic devices based on lithium niobate on insulator. Photonics Research, 2020, 8, 1910.	7.0	183
3	High-Q lithium niobate microdisk resonators on a chip for efficient electro-optic modulation. Optics Express, 2015, 23, 23072.	3.4	163
4	Broadband Quasi-Phase-Matched Harmonic Generation in an On-Chip Monocrystalline Lithium Niobate Microdisk Resonator. Physical Review Letters, 2019, 122, 173903.	7.8	141
5	Recent Progress in Lithium Niobate: Optical Damage, Defect Simulation, and Onâ€Chip Devices. Advanced Materials, 2020, 32, e1806452.	21.0	137
6	Dirac-vortex topological cavities. Nature Nanotechnology, 2020, 15, 1012-1018.	31.5	95
7	Phase-Coupling-Induced Ultraslow Light Propagation in Solids at Room Temperature. Physical Review Letters, 2004, 93, 133903.	7.8	67
8	Microdisk lasers on an erbium-doped lithium-niobite chip. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	63
9	Ultrathin Ruddlesdenâ€“Popper Perovskite Heterojunction for Sensitive Photodetection. Small, 2019, 15, e1902890.	10.0	56
10	Sum-frequency generation in on-chip lithium niobate microdisk resonators. Photonics Research, 2017, 5, 623.	7.0	55
11	Second-harmonic generation using d₃₃ in periodically poled lithium niobate microdisk resonators. Photonics Research, 2020, 8, 311.	7.0	51
12	High-Q chaotic lithium niobate microdisk cavity. Optics Letters, 2018, 43, 2917.	3.3	46
13	Thermo-optic effects in on-chip lithium niobate microdisk resonators. Optics Express, 2016, 24, 21869.	3.4	45
14	Lithiumâ€Niobateâ€“Silica Hybrid Whisperingâ€Galleryâ€Mode Resonators. Advanced Materials, 2015, 27, 8075-8081.	21.0	44
15	On-chip erbium-doped lithium niobate microring lasers. Optics Letters, 2021, 46, 3275.	3.3	44
16	Coexistence of self-reduction from Mn⁴⁺to Mn²⁺and elastico-mechanoluminescence in diphase KZn(PO₃)₃:Mn²⁺. Journal of Materials Chemistry C, 2019, 7, 7096-7103.	5.5	43
17	Broadband highly efficient nonlinear optical processes in on-chip integrated lithium niobate microdisk resonators of Q-factor above 10⁸. New Journal of Physics, 2021, 23, 123027.	2.9	39
18	Tunable add/drop channel coupler based on an acousto-optic tunable filter and a tapered fiber. Optics Letters, 2012, 37, 1241.	3.3	38

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19	On-chip erbium-doped lithium niobate waveguide amplifiers [Invited]. Chinese Optics Letters, 2021, 19, 060008.	2.9	38
20	Integrated lithium niobate single-mode lasers by the Vernier effect. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	36
21	Slowdown of group velocity of light by means of phase coupling in photorefractive two-wave mixing. Applied Optics, 2004, 43, 1167.	2.1	34
22	Periodically poled lithium niobate whispering gallery mode microcavities on a chip. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	32
23	High-efficiency chirped grating couplers on lithium niobate on insulator. Optics Letters, 2020, 45, 6651.	3.3	30
24	All-fiber tunable laser based on an acousto-optic tunable filter and a tapered fiber. Optics Express, 2016, 24, 7449.	3.4	28
25	Dual-periodically poled lithium niobate microcavities supporting multiple coupled parametric processes. Optics Letters, 2020, 45, 3353.	3.3	27
26	Ultraviolet photorefraction at 325 nm in doped lithium niobate crystals. Journal of Applied Physics, 2010, 107, .	2.5	26
27	Tunable broadband light coupler based on two parallel all-fiber acousto-optic tunable filters. Optics Express, 2013, 21, 16621.	3.4	24
28	Lithium-niobate-silica hybrid whispering-gallery-mode resonators. , 2015, , .		23
29	Mode conversion in a tapered fiber via a whispering gallery mode resonator and its application as add/drop filter. Optics Letters, 2016, 41, 638.	3.3	23
30	On-chip ytterbium-doped lithium niobate microdisk lasers with high conversion efficiency. Optics Letters, 2022, 47, 854.	3.3	22
31	Inverted-wedge silica resonators for controlled and stable coupling. Optics Letters, 2014, 39, 1841.	3.3	21
32	All-fiber acousto-optic tunable notch filter with a fiber winding driven by a cuneal acoustic transducer. Optics Letters, 2011, 36, 271.	3.3	20
33	Diabolical points in coupled active cavities with quantum emitters. Light: Science and Applications, 2020, 9, 6.	16.6	20
34	Transition between superluminal and subluminal light propagation in photorefractive Bi12SiO20 crystals. Optics Express, 2005, 13, 8198.	3.4	19
35	Tunable in-fiber Mach-Zehnder interferometer driven by unique acoustic transducer and its application in tunable multi-wavelength laser. Optics Express, 2016, 24, 2406.	3.4	17
36	Fully vectorial modeling of cylindrical microresonators with aperiodic Fourier modal method. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2459.	1.5	15

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37	All-fiber narrow-linewidth ring laser with continuous and large tuning range based on microsphere resonator and fiber Bragg grating. Optics Express, 2018, 26, 32652.	3.4	15
38	Broadband second-harmonic generation in step-chirped periodically poled lithium niobate waveguides. Optics Letters, 2022, 47, 1574.	3.3	15
39	Paraxial energy transport of a focused Gaussian beam in ruby with nondegenerate two-wave couplinglike mechanism. Applied Physics Letters, 2008, 92, 021121.	3.3	14
40	All-fiber tunable Mach-Zehnder interferometer based on an acousto-optic tunable filter cascaded with a tapered fiber. Optics Communications, 2013, 292, 46-48.	2.1	13
41	Integrated ytterbium-doped lithium niobate microring lasers. Optics Letters, 2022, 47, 1427.	3.3	12
42	Quasicritical coupling in a few-mode tapered-fiber coupled whispering-gallery-mode system. Physical Review A, 2018, 98, .	2.5	11
43	High-<i>Q</i> Microcavity Enhanced Optical Properties of CuInS₂/ZnS Colloidal Quantum Dots toward Non-Photodegradation. ACS Photonics, 2017, 4, 369-377.	6.6	9
44	Microdisk resonators with lithium-niobate film on silicon substrate. Optics Express, 2019, 27, 33662.	3.4	9
45	Controllable oscillatory lateral coupling in a waveguide-microdisk-resonator system. Scientific Reports, 2017, 7, 8045.	3.3	8
46	Polarization-modified Fano line shape spectrum with a single whispering gallery mode. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	8
47	Intuitive model of exceptional points in an optical whispering-gallery microcavity perturbed by nanoparticles. Physical Review A, 2020, 101, .	2.5	7
48	Improvement on Thermal Stability of Nano-Domains in Lithium Niobate Thin Films. Crystals, 2020, 10, 74.	2.2	7
49	Transverse localization of light in the disordered one-dimensional waveguide arrays in the linear and nonlinear regimes. Optics Communications, 2013, 296, 65-71.	2.1	6
50	Vertically coupled microresonators and oscillatory mode splitting in photonic molecules. Optics Express, 2015, 23, 30793.	3.4	6
51	Enhance stable coupling region of a high-Q WGM up to micrometer. Applied Physics Letters, 2019, 115, .	3.3	6
52	Feasibility of quasicritical coupling based on LP modes and its application as a filter with tunable bandwidth and stable insertion loss. Optics Express, 2019, 27, 23610.	3.4	6
53	Anomalous refraction in disordered one-dimensional photonic lattices. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 105.	2.1	5
54	Photo-Hall effect in highly Mg-doped lithium niobate crystals. Applied Physics Letters, 2015, 107, .	3.3	5

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55	Mode characteristics of silver-coated inverted-wedge silica microdisks. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.1	5
56	Bandwidth Tunable Filter Based on Ideal Quasi-Critical Coupling State in WGM Cavity. Journal of Lightwave Technology, 2021, 39, 6547-6552.	4.6	5
57	Ultraslow Gaussian pulse propagation induced by a dispersive phase coupling in photorefractive bismuth silicon oxide crystals at room temperature. Optics Communications, 2006, 261, 349-352.	2.1	4
58	Slow and fast light in photorefractive GaAsâ€"AlGaAs multiple quantum wells in transverse geometry. Journal of Applied Physics, 2010, 108, .	2.5	4
59	Vertical microgoblet resonator with high sensitivity fabricated by direct laser writing on a Si substrate. Journal of Applied Physics, 2017, 121, .	2.5	4
60	Compact Dynamic In-Fiber Acoustically-Induced Mach-Zehnder Interferometer Based on Phase Mismatch and Its Application in a Tunable and Switchable Dual-Wavelength Laser. Journal of Lightwave Technology, 2021, 39, 3539-3545.	4.6	4
61	Fast light in the generation configuration of stimulated Brillouin scattering based on high-Q micro-cavities. Optics Express, 2018, 26, 15377.	3.4	3
62	Free-space self-interference microresonator with tunable coupling regimes. Applied Physics Letters, 2020, 117, 031106.	3.3	3
63	SLOW AND FAST LIGHTS WITH MOVING AND STATIONARY REFRACTIVE INDEX GRATINGS IN SOLIDS AT ROOM TEMPERATURE. International Journal of Modern Physics B, 2008, 22, 447-468.	2.0	2
64	Active chromatic control on the group velocity of light at arbitrary wavelength in benzocyclobutene polymer. Optics Express, 2009, 17, 18292.	3.4	2
65	Upper temperature limit and multi-channel effects in ellipsoidal lithium-niobate optical parametric oscillators. Optics Express, 2018, 26, 15268.	3.4	2
66	Self-focusing and self-bending of surface plasmons in longitudinally modulated metasurfaces. Optics Communications, 2019, 450, 136-140.	2.1	2
67	Nano-Domains Produced through a Two-Step Poling Technique in Lithium Niobate on Insulators. Materials, 2020, 13, 3617.	2.9	2
68	All-Fiber Frequency Shifter Based on an Acousto-Optic Tunable Filter Cascaded with a Tapered Fiber-Coupled Microcavity. Crystals, 2021, 11, 497.	2.2	2
69	Quantum correlation of path-entangled two-photon states in waveguide arrays with defects. AIP Advances, 2014, 4, 047117.	1.3	1
70	Lensless imaging based on coherent backscattering in random media. AIP Advances, 2014, 4, 087124.	1.3	1
71	Two-photon correlation and photon transport in disordered passive parity-time-symmetric lattices. Physical Review A, 2015, 91, .	2.5	1
72	Slow and Fast Lights in Photorefractive Materials. , 2007, , 277-294.		1

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73	All-Fiber Tunable Ring Laser Based on an Acousto-Optic Tunable Coupler. , 2015, , .		1
74	Biperiodically Poled Lithium Niobate Microcavities for Multiple Nonlinear Optical Processes. , 2020, , .		1
75	Directional emission in X-cut lithium niobate microresonators without chaos dynamics. Photonics Research, 2022, 10, 401.	7.0	1
76	Research progress in lithium niobate on insulator lasers. Scientia Sinica: Physica, Mechanica Et Astronomica, 2022, 52, 294221.	0.4	1
77	Transition between superluminal and subluminal light propagation based on classical two-wave mixing. , 2006, , .		0
78	Active chromatic control and resonant improvement on the transverse-phase-modulation-induced group delay of light. Proceedings of SPIE, 2012, , .	0.8	0
79	Sum Frequency and Second Harmonic Generations in Lithium Niobate Microdisk Resonators on a Chip. Journal of Physics: Conference Series, 2017, 867, 012016.	0.4	0
80	Optical Heterodyne Micro-Vibration Measurement Based on All-Fiber Acousto-Optic Frequency Shifter. , 2015, , .		0
81	Thermo-optic oscillatory behavior in on-chip lithium-niobate microdisk resonators. , 2016, , .		0
82	Free-space coupling enhancement of micro-resonators via self-accelerating beams. Optics Express, 2018, 26, 32055.	3.4	0
83	Robust and low cost in-fiber acousto-opticMach-Zehnder interferometer and its application indual-wavelength laser. Applied Optics, 2022, 61, 22-27.	1.8	0
84	Integrated LNOI Single-mode Lasers by Vernier Effect. , 2021, , .		0