Wentao Qiu

List of Publications by Year
in descending order

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46	994	361413	454955
papers	citations	20	30
		h-index	g-index

48	48	48	976
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of High-Speed Mid-Infrared Electro-Optic Modulator Based on Thin Film Lithium Niobate. IEEE Photonics Journal, 2022, 14, 1-6.	2.0	4
2	SnSe-Coated Microfiber Resonator for All-Optical Modulation. Nanomaterials, 2022, 12, 694.	4.1	1
3	Correction to â€œBroadband Light Amplitude Tuning Characteristics of SnSe₂ Coated Microfiberâ€•[Nov 20 6089-6096]. Journal of Lightwave Technology, 2022, 40, 4058-4058.	4.6	0
4	Broadband mode-selective couplers based on tapered side-polished fibers. Optics Express, 2021, 29, 19690.	3.4	17
5	Broadband, Highâ€Sensitivity Graphene Photodetector Based on Ferroelectric Polarization of Lithium Niobate. Advanced Optical Materials, 2021, 9, 2100245.	7.3	35
6	Tin Disulfide-Coated Microfiber for Humidity Sensing with Fast Response and High Sensitivity. Crystals, 2021, 11, 648.	2.2	2
7	Ultrasensitive temperature sensor and mode converter based on a modal interferometer in a two-mode fiber. Optics Express, 2021, 29, 32135.	3.4	8
8	Recent progress of second harmonic generation based on thin film lithium niobate [Invited]. Chinese Optics Letters, 2021, 19, 060012.	2.9	21
9	Resonance-enhanced all-optical modulation of WSe₂-based micro-resonator. Nanophotonics, 2020, 9, 2387-2396.	6.0	17
10	High Light Tuning Efficiency in All Optical Inâ„Seâ„*f* Coated Micro Knot Resonator Structure. IEEE Access, 2020, 8, 190009-190016.	4.2	1
11	High-sensitivity fiber-optic humidity sensor based on microfiber overlaid with niobium disulfide. Journal of Materials Science, 2020, 55, 16576-16587.	3.7	12
12	An Optical Switch Based on Electro-Optic Mode Deflection in Lithium Niobate Waveguide. IEEE Photonics Technology Letters, 2020, 32, 1295-1298.	2.5	22
13	Broadband Light Amplitude Tuning Characteristics of SnSe₂ Coated Microfiber. Journal of Lightwave Technology, 2020, 38, 6089-6096.	4.6	4
14	A broadband and low-power light-control-light effect in a fiber-optic nano-optomechanical system. Nanoscale, 2020, 12, 9800-9809.	5.6	5
15	Optical anapole mode in nanostructured lithium niobate for enhancing second harmonic generation. Nanophotonics, 2020, 9, 3575-3585.	6.0	55
16	Distance-controllable and direction-steerable opto-conveyor for targeting delivery. Photonics Research, 2020, 8, 1124.	7.0	3
17	All-Optical Tuning of Micro-Resonator Overlaid With MoTe₂ Nanosheets. Journal of Lightwave Technology, 2019, 37, 3637-3646.	4.6	9
18	MoS₂ Nanosheets Modified Surface Plasmon Resonance Sensors for Sensitivity Enhancement. Advanced Optical Materials, 2019, 7, 1900479.	7.3	25

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19	Long-Range Surface Plasmon Resonance Sensor Based on Side-Polished Fiber for Biosensing Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	2.9	48
20	Side-polished few-mode fiber based surface plasmon resonance biosensor. Optics Express, 2019, 27, 11348.	3.4	52
21	Broadband all-light-control with WS₂ coated microfibers. Optics Express, 2019, 27, 12817.	3.4	8
22	Electron-plasmon interaction on lithium niobate with gold nanolayer and its field distribution dependent modulation. Optics Express, 2019, 27, 19852.	3.4	12
23	Measurement of Giant Spin Splitting of Reflected Gaussian Beams. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	8
24	High-sensitivity vector magnetic field sensor based on side-polished fiber plasmon and ferrofluid. Optics Letters, 2018, 43, 4743.	3.3	69
25	Plasmonic Interface Modified with Graphene Oxide Sheets Overlayer for Sensitivity Enhancement. ACS Applied Materials & Interfaces, 2018, 10, 34916-34923.	8.0	51
26	Sensitivity-enhanced surface plasmon resonance sensor utilizing a tungsten disulfide (WS₂) nanosheets overlayer. Photonics Research, 2018, 6, 485.	7.0	84
27	Upper-limited angular Goos-HÃnchen shifts of Laguerre-Gaussian beams. Optics Express, 2018, 26, 5810.	3.4	5
28	High performance all-fiber temperature sensor based on coreless side-polished fiber wrapped with polydimethylsiloxane. Optics Express, 2018, 26, 9686.	3.4	57
29	Theoretical investigation of optical modulators based on graphene-coated side- polished fiber. Optics Express, 2018, 26, 13759.	3.4	27
30	Highly sensitive all-optical control of light in WS₂ coated microfiber knot resonator. Optics Express, 2018, 26, 27650.	3.4	19
31	Electro-optic deflection in a lithium niobate quasi-single mode waveguide with microstructured electrodes. Optics Express, 2018, 26, 30100.	3.4	11
32	Sensitivity-enhanced surface plasmon sensor modified with MoSe₂ overlayer. Optics Express, 2018, 26, 34250.	3.4	25
33	Surface plasmon resonance-based microfiber sensor with enhanced sensitivity by gold nanowires. Optical Materials Express, 2018, 8, 3927.	3.0	29
34	Resonance-assisted lightâ€“controlâ€“light characteristics of SnS₂ on a microfiber knot resonator with fast response. Photonics Research, 2018, 6, 1137.	7.0	19
35	Coreless side-polished fiber: a novel fiber structure for multimode interference and highly sensitive refractive index sensors. Optics Express, 2017, 25, 5352.	3.4	22
36	Reduced graphene oxide wrapped on microfiber and its light-control-light characteristics. Optics Express, 2017, 25, 5415.	3.4	10

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37	Molybdenum disulfide nanosheets deposited on polished optical fiber for humidity sensing and human breath monitoring. Optics Express, 2017, 25, 28407.	3.4	35
38	All light-control-light properties of molybdenum diselenide (MoSe_2)-coated-microfiber. Optics Express, 2017, 25, 28536.	3.4	25
39	Azimuth angle orientation by side scattering for side-polishing of photonic crystal fibers. Optics Express, 2017, 25, 32504.	3.4	3
40	Ultra-compact on-chip slot Bragg grating structure for small electric field detection. Photonics Research, 2017, 5, 212.	7.0	26
41	Interlinked add-drop filter with amplitude modulation routing a fiber-optic microring to a lithium niobate microwaveguide. Optics Letters, 2017, 42, 1496.	3.3	8
42	Guided resonances on lithium niobate for extremely small electric field detection investigated by accurate sensitivity analysis. Optics Express, 2016, 24, 20196.	3.4	27
43	Fano resonance-based highly sensitive, compact temperature sensor on thin film lithium niobate. Optics Letters, 2016, 41, 1106.	3.3	23
44	Optical characterization of ultra-short Bragg grating on lithium niobate ridge waveguide. Optics Letters, 2014, 39, 371.	3.3	6
45	Strong reduction of propagation losses in LiNbO3 ridge waveguides. Optical Materials, 2014, 38, 37-41.	3.6	18
46	Optical and RF Characterization of a Lithium Niobate Photonic Crystal Modulator. IEEE Photonics Technology Letters, 2014, 26, 1332-1335.	2.5	20