

# Wentao Qiu

## List of Publications by Year in descending order

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46  
papers

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citations

361413

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454955

30  
g-index

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48  
docs citations

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times ranked

976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity-enhanced surface plasmon resonance sensor utilizing a tungsten disulfide ( $WS_2$ ) nanosheets overlayer. <i>Photonics Research</i> , 2018, 6, 485.	7.0	84
2	High-sensitivity vector magnetic field sensor based on side-polished fiber plasmon and ferrofluid. <i>Optics Letters</i> , 2018, 43, 4743.	3.3	69
3	High performance all-fiber temperature sensor based on coreless side-polished fiber wrapped with polydimethylsiloxane. <i>Optics Express</i> , 2018, 26, 9686.	3.4	57
4	Optical anapole mode in nanostructured lithium niobate for enhancing second harmonic generation. <i>Nanophotonics</i> , 2020, 9, 3575-3585.	6.0	55
5	Side-polished few-mode fiber based surface plasmon resonance biosensor. <i>Optics Express</i> , 2019, 27, 11348.	3.4	52
6	Plasmonic Interface Modified with Graphene Oxide Sheets Overlayer for Sensitivity Enhancement. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34916-34923.	8.0	51
7	Long-Range Surface Plasmon Resonance Sensor Based on Side-Polished Fiber for Biosensing Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-9.	2.9	48
8	Molybdenum disulfide nanosheets deposited on polished optical fiber for humidity sensing and human breath monitoring. <i>Optics Express</i> , 2017, 25, 28407.	3.4	35
9	Broadband, High-Sensitivity Graphene Photodetector Based on Ferroelectric Polarization of Lithium Niobate. <i>Advanced Optical Materials</i> , 2021, 9, 2100245.	7.3	35
10	Surface plasmon resonance-based microfiber sensor with enhanced sensitivity by gold nanowires. <i>Optical Materials Express</i> , 2018, 8, 3927.	3.0	29
11	Guided resonances on lithium niobate for extremely small electric field detection investigated by accurate sensitivity analysis. <i>Optics Express</i> , 2016, 24, 20196.	3.4	27
12	Theoretical investigation of optical modulators based on graphene-coated side-polished fiber. <i>Optics Express</i> , 2018, 26, 13759.	3.4	27
13	Ultra-compact on-chip slot Bragg grating structure for small electric field detection. <i>Photonics Research</i> , 2017, 5, 212.	7.0	26
14	All light-control-light properties of molybdenum diselenide ( $MoSe_2$ )-coated-microfiber. <i>Optics Express</i> , 2017, 25, 28536.	3.4	25
15	$MoS_2$ Nanosheets Modified Surface Plasmon Resonance Sensors for Sensitivity Enhancement. <i>Advanced Optical Materials</i> , 2019, 7, 1900479.	7.3	25
16	Sensitivity-enhanced surface plasmon sensor modified with $MoSe_2$ overlayer. <i>Optics Express</i> , 2018, 26, 34250.	3.4	25
17	Fano resonance-based highly sensitive, compact temperature sensor on thin film lithium niobate. <i>Optics Letters</i> , 2016, 41, 1106.	3.3	23
18	Coreless side-polished fiber: a novel fiber structure for multimode interference and highly sensitive refractive index sensors. <i>Optics Express</i> , 2017, 25, 5352.	3.4	22

#	ARTICLE	IF	CITATIONS
19	An Optical Switch Based on Electro-Optic Mode Deflection in Lithium Niobate Waveguide. IEEE Photonics Technology Letters, 2020, 32, 1295-1298.	2.5	22
20	Recent progress of second harmonic generation based on thin film lithium niobate [Invited]. Chinese Optics Letters, 2021, 19, 060012.	2.9	21
21	Optical and RF Characterization of a Lithium Niobate Photonic Crystal Modulator. IEEE Photonics Technology Letters, 2014, 26, 1332-1335.	2.5	20
22	Highly sensitive all-optical control of light in WS <sub>2</sub> coated microfiber knot resonator. Optics Express, 2018, 26, 27650.	3.4	19
23	Resonance-assisted light control characteristics of SnS <sub>2</sub> on a microfiber knot resonator with fast response. Photonics Research, 2018, 6, 1137.	7.0	19
24	Strong reduction of propagation losses in LiNbO <sub>3</sub> ridge waveguides. Optical Materials, 2014, 38, 37-41.	3.6	18
25	Resonance-enhanced all-optical modulation of WSe <sub>2</sub> -based micro-resonator. Nanophotonics, 2020, 9, 2387-2396.	6.0	17
26	Broadband mode-selective couplers based on tapered side-polished fibers. Optics Express, 2021, 29, 19690.	3.4	17
27	High-sensitivity fiber-optic humidity sensor based on microfiber overlaid with niobium disulfide. Journal of Materials Science, 2020, 55, 16576-16587.	3.7	12
28	Electron-plasmon interaction on lithium niobate with gold nanolayer and its field distribution dependent modulation. Optics Express, 2019, 27, 19852.	3.4	12
29	Electro-optic deflection in a lithium niobate quasi-single mode waveguide with microstructured electrodes. Optics Express, 2018, 26, 30100.	3.4	11
30	Reduced graphene oxide wrapped on microfiber and its light-control-light characteristics. Optics Express, 2017, 25, 5415.	3.4	10
31	All-Optical Tuning of Micro-Resonator Overlaid With MoTe <sub>2</sub> Nanosheets. Journal of Lightwave Technology, 2019, 37, 3637-3646.	4.6	9
32	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
33	Measurement of Giant Spin Splitting of Reflected Gaussian Beams. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	8
34	Ultrasensitive temperature sensor and mode converter based on a modal interferometer in a two-mode fiber. Optics Express, 2021, 29, 32135.	3.4	8
35	Broadband all-light-control with WS <sub>2</sub> coated microfibers. Optics Express, 2019, 27, 12817.	3.4	8
36	Optical characterization of ultra-short Bragg grating on lithium niobate ridge waveguide. Optics Letters, 2014, 39, 371.	3.3	6

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37	Upper-limited angular Goos-Hänchen shifts of Laguerre-Gaussian beams. Optics Express, 2018, 26, 5810.	3.4	5
38	A broadband and low-power light-control-light effect in a fiber-optic nano-optomechanical system. Nanoscale, 2020, 12, 9800-9809.	5.6	5
39	Broadband Light Amplitude Tuning Characteristics of SnSe <sub>2</sub> Coated Microfiber. Journal of Lightwave Technology, 2020, 38, 6089-6096.	4.6	4
40	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
41	Azimuth angle orientation by side scattering for side-polishing of photonic crystal fibers. Optics Express, 2017, 25, 32504.	3.4	3
42	Distance-controllable and direction-steerable opto-conveyor for targeting delivery. Photonics Research, 2020, 8, 1124.	7.0	3
43	Tin Disulfide-Coated Microfiber for Humidity Sensing with Fast Response and High Sensitivity. Crystals, 2021, 11, 648.	2.2	2
44	High Light Tuning Efficiency in All Optical In <sub>2</sub> Se <sub>3</sub> Coated Micro Knot Resonator Structure. IEEE Access, 2020, 8, 190009-190016.	4.2	1
45	SnSe-Coated Microfiber Resonator for All-Optical Modulation. Nanomaterials, 2022, 12, 694.	4.1	1
46	Correction to "Broadband Light Amplitude Tuning Characteristics of SnSe <sub>2</sub> Coated Microfiber" [Nov 20 6089-6096]. Journal of Lightwave Technology, 2022, 40, 4058-4058.	4.6	0