Fu-Xing Gu

List of Publications by Year
in descending order

48 papers	1,649 citations	394421 19 h-index	289244 40 g-index
48 all docs	48 docs citations	48 times ranked	1901 citing authors

#	Article	IF	Citations
1	Directâ€Bandgap Bilayer WSe₂/Microsphere Monolithic Cavity for Lowâ€Threshold Lasing. Advanced Materials, 2022, 34, e2106502.	21.0	4
2	Passive near-field optical scanning imaging based on semiconductor nanowire/tapered microfiber probe. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 044201.	0.5	1
3	Electrostatic control of photoluminescence from A and B excitons in monolayer molybdenum disulfide. Nanoscale Advances, 2022, 4, 2484-2493.	4.6	5
4	Thermal-mechanical-photo-activation effect on silica micro/nanofiber surfaces: origination, reparation and utilization. Optics Express, 2022, 30, 22755.	3.4	1
5	Plasmon-driven nanowire actuators for on-chip manipulation. Nature Communications, 2021, 12, 385.	12.8	28
6	A wafer-scale synthesis of monolayer MoS₂ and their field-effect transistors toward practical applications. Nanoscale Advances, 2021, 3, 2117-2138.	4.6	31
7	High-Efficient Generation of Nonlinear Optical Effects in Semiconductor Nanowaveguides. Lecture Notes in Electrical Engineering, 2021, , 37-39.	0.4	0
8	Stable and Tunable Optoelectronic Oscillator With External Stimulated Brillouin Beat Note Injection. IEEE Photonics Technology Letters, 2021, 33, 1085-1088.	2.5	3
9	Ultra-Long Subwavelength Micro/Nanofibers With Low Loss. IEEE Photonics Technology Letters, 2020, 32, 1069-1072.	2.5	11
10	Cavity mode manipulated by single gold nanoparticles. APL Photonics, 2020, 5, .	5.7	10
11	Monolayer lasing from photoactivation-enhanced photoluminescence at room temperature. , 2020, , .		0
12	One-Drop Self-Assembly of Ultra-Fine Second-Order Organic Nonlinear Optical Crystal Nanowires. Nanoscale Research Letters, 2019, 14, 269.	5.7	3
13	Single-nanowire spectrometers. Science, 2019, 365, 1017-1020.	12.6	291
14	Enhancing monolayer photoluminescence on optical micro/nanofibers for low-threshold lasing. Science Advances, 2019, 5, eaax7398.	10.3	36
15	Mode modulation in microbottle cavities and its sensing applications. , 2019, , .		0
16	Nonlinear Optical Conversion: Highly Efficient Nonlinear Optical Conversion in Waveguiding GaSe Nanoribbons with Pump Pulses Down to a Femtoâ€Joule Level (Advanced Optical Materials 5/2018). Advanced Optical Materials, 2018, 6, 1870021.	7.3	1
17	Highly Efficient Nonlinear Optical Conversion in Waveguiding GaSe Nanoribbons with Pump Pulses Down to a Femtoâ€Joule Level. Advanced Optical Materials, 2018, 6, 1701012.	7.3	11
18	Optical Auto-correlators Using Single GaSe Nanoribbons for Femto-Joule Ultrafast Pulses Characterization. , 2018, , .		0

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19	Efficient higher-order nonlinear optical effects in CdSe nanowaveguides. Optics Express, 2018, 26, 6880.	3.4	7
20	Electrospun polymer bottle microresonators for stretchable single-mode lasing devices. Optics Letters, 2018, 43, 3128.	3.3	8
21	Surface-enhanced fluorescence in metal nanoparticle-doped polymer nanofibers via waveguiding excitation. Applied Physics Letters, 2017, 110, 163101.	3.3	6
22	Single whispering-gallery mode lasing in polymer bottle microresonators via spatial pump engineering. Light: Science and Applications, 2017, 6, e17061-e17061.	16.6	112
23	Single-mode lasing via loss engineering in fiber-taper-coupled polymer bottle microresonators. Photonics Research, 2017, 5, B29.	7.0	34
24	Mode tailoring in subwavelength-dimensional semiconductor micro/nanowaveguides by coupling optical microfibers. Optics Express, 2016, 24, 23361.	3.4	5
25	Enhanced Multiphoton Upconversion in Single Nanowires by Waveguiding Excitation. Advanced Optical Materials, 2016, 4, 1174-1178.	7.3	16
26	Frequency-resolved optical gating measurement of ultrashort pulses by using single nanowire. Scientific Reports, 2016, 6, 33181.	3.3	11
27	Single MoO3 nanoribbon waveguides: good building blocks as elements and interconnects for nanophotonic applications. Scientific Reports, 2015, 5, 17388.	3.3	9
28	Freeâ€space coupling of nanoantennas and whisperingâ€gallery microcavities with narrowed linewidth and enhanced sensitivity. Laser and Photonics Reviews, 2015, 9, 682-688.	8.7	48
29	Palladium-Coated Silica Microfiber Knots for Enhanced Hydrogen Sensing. IEEE Photonics Technology Letters, 2015, , 1-1.	2.5	6
30	Sub-bandgap transverse frequency conversion in semiconductor nano-waveguides. , 2015, , .		0
31	Above-Bandgap Surface-Emitting Frequency Conversion in Semiconductor Nanoribbons With Ultralow Continuous-Wave Pump Power. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 480-485.	2.9	7
32	Hybrid photonâ€“plasmon Machâ€“Zehnder interferometers for highly sensitive hydrogen sensing. Nanoscale, 2015, 7, 924-929.	5.6	48
33	Sub-bandgap transverse frequency conversion in semiconductor nano-waveguides. Nanoscale, 2014, 6, 12371-12375.	5.6	19
34	Singleâ€Crystal Pd and its Alloy Nanowires for Plasmon Propagation and Highly Sensitive Hydrogen Detection. Advanced Optical Materials, 2014, 2, 189-196.	7.3	50
35	Nanoimprinted Polymer Micro/Nanofiber Bragg Gratings for High-Sensitivity Strain Sensing. IEEE Photonics Technology Letters, 2013, 25, 22-24.	2.5	31
36	Metal single-nanowire plasmonic sensors. Optics Letters, 2013, 38, 1826.	3.3	54

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37	Low-threshold supercontinuum generation in semiconductor nanoribbons by continuous-wave pumping. Optics Express, 2012, 20, 8667.	3.4	20
38	Spatial Bandgap Engineering along Single Alloy Nanowires. Journal of the American Chemical Society, 2011, 133, 2037-2039.	13.7	101
39	Optical quenching of photoconductivity in CdSe single nanowires via waveguiding excitation. Optics Express, 2011, 19, 10880.	3.4	10
40	Large defect-induced sub-bandgap photoresponse in semiconductor nanowires via waveguiding excitation. Nanotechnology, 2011, 22, 425201.	2.6	13
41	Longitudinal Lorentz force on a subwavelength-diameter optical fiber. Physical Review A, 2011, 83, .	2.5	11
42	Broad spectral response in composition-graded CdSSe single nanowires via waveguiding excitation. Applied Physics Letters, 2011, 99, .	3.3	13
43	Fusion Spliced Microfiber Closed-Loop Resonators. IEEE Photonics Technology Letters, 2010, 22, 1075-1077.	2.5	21
44	Light-Emitting Polymer Single Nanofibers via Waveguiding Excitation. ACS Nano, 2010, 4, 5332-5338.	14.6	129
45	Polyaniline/polystyrene single-nanowire devices for highly selective optical detection of gas mixtures. Optics Express, 2009, 17, 11230.	3.4	50
46	Simple and cost-effective fabrication of two-dimensional plastic nanochannels from silica nanowire templates. Microfluidics and Nanofluidics, 2008, 5, 727-732.	2.2	40
47	Polymer micro or nanofibers for optical device applications. Journal of Applied Polymer Science, 2008, 110, 1080-1084.	2.6	28
48	Polymer Single-Nanowire Optical Sensors. Nano Letters, 2008, 8, 2757-2761.	9.1	306