Cui-Feng Ying

List of Publications by Year
in descending order

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29 papers	952 citations	623734 14 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1296 citing authors

#	Article	IF	Citations
1	Nanopore-based Fourth-generation DNA Sequencing Technology. Genomics, Proteomics and Bioinformatics, 2015, 13, 4-16.	6.9	329
2	Estimation of Shape, Volume, and Dipole Moment of Individual Proteins Freely Transiting a Synthetic Nanopore. ACS Nano, 2019, 13, 5231-5242.	14.6	107
3	Surface coatings for solid-state nanopores. Nanoscale, 2019, 11, 19636-19657.	5.6	75
4	Formation of Single Nanopores with Diameters of 20â€“50 nm in Silicon Nitride Membranes Using Laser-Assisted Controlled Breakdown. ACS Nano, 2018, 12, 11458-11470.	14.6	59
5	Precise fabrication of a 5 nm graphene nanopore with a helium ion microscope for biomolecule detection. Nanotechnology, 2017, 28, 045302.	2.6	55
6	Hyperspectral imaging using the single-pixel Fourier transform technique. Scientific Reports, 2017, 7, 45209.	3.3	43
7	3D nanopore shape control by current-stimulus dielectric breakdown. Applied Physics Letters, 2016, 109, .	3.3	35
8	Fabrication of multiple nanopores in a SiNx membrane via controlled breakdown. Scientific Reports, 2018, 8, 1234.	3.3	33
9	Polymer Coatings to Minimize Protein Adsorption in Solidâ€State Nanopores. Small Methods, 2020, 4, 2000177.	8.6	25
10	A simplified hollow-core microstructured optical fibre laser with microring resonators and strong radial emission. Applied Physics Letters, 2014, 105, .	3.3	20
11	Optical bistability based on Bragg grating resonators in metal-insulator-metal plasmonic waveguides. AIP Advances, 2013, 3, 012106.	1.3	17
12	Monitoring tetracycline through a solid-state nanopore sensor. Scientific Reports, 2016, 6, 27959.	3.3	17
13	Enhanced four-wave mixing from multi-resonant silicon dimer-hole membrane metasurfaces. New Journal of Physics, 2022, 24, 035002.	2.9	17
14	Fluid surface coatings for solid-state nanopores: comparison of phospholipid bilayers and archaea-inspired lipid monolayers. Nanotechnology, 2019, 30, 325504.	2.6	16
15	Wafer-scale fabrication of fused silica chips for low-noise recording of resistive pulses through nanopores. Nanotechnology, 2019, 30, 265301.	2.6	16
16	Enhanced reverse saturable absorption and optical limiting properties in a protonated water-soluble porphyrin. Journal of Optics (United Kingdom), 2013, 15, 055206.	2.2	12
17	Design methodology for all-optical bistable switches based on a plasmonic resonator sandwiched between dielectric waveguides. Journal of Optics (United Kingdom), 2014, 16, 025003.	2.2	11
18	Rewritable Nanoplasmonics through Room-Temperature Phase Manipulations of Vanadium Dioxide. Nano Letters, 2020, 20, 7760-7766.	9.1	10

#	Article	IF	Citations
19	Plasmonic Tamm states: dual enhancement of light inside the plasmonic waveguide. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2769.	2.1	9
20	Effects of off-axis translocation through nanopores on the determination of shape and volume estimates for individual particles. Nanotechnology, 2022, 33, 275501.	2.6	9
21	Flatband mode in photonic moirÃ© superlattice for boosting second-harmonic generation with monolayer van der Waals crystals. Optics Letters, 2022, 47, 2326.	3.3	8
22	Multiple and colorful cone-shaped lasing induced by band-coupling in a 1D dual-periodic photonic crystal. AIP Advances, 2013, 3, 022125.	1.3	7
23	Ultra-strong enhancement of electromagnetic fields in an L-shaped plasmonic nanocavity. Optics Express, 2016, 24, 3849.	3.4	7
24	Band-edge lasing in Rh6G-doped dichromated gelatin at different excitations. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10	2.2	5
25	Novel cone lasing emission in a non-uniform one-dimensional photonic crystal. Journal of Optics (United Kingdom), 2015, 17, 065403.	2.2	3
26	Stable Nanopores in Two-Dimensional Materials for Ion Conductivity Devices and Biosensors. ACS Applied Nano Materials, 2022, 5, 3611-3618.	5.0	3
27	Fabrication and Optical Properties of Inclined Au Nanocup Arrays. Plasmonics, 2013, 8, 1607-1611.	3.4	2
28	Localized Nanopore Fabrication via Controlled Breakdown. Nanomaterials, 2022, 12, 2384.	4.1	2
29	Band-edge lasing and miniband lasing in 1-D dual-periodic photonic crystal. Proceedings of SPIE, 2012, , .	0.8	0