Yonghao Cui

List of Publications by Year in descending order

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Version: 2024-02-01

25 papers	994 citations	687220 13 h-index	887953 17 g-index
25 all docs	25 docs citations	25 times ranked	1552 citing authors

#	Article	IF	Citations
1	Giant Chiral Optical Response from a Twisted-Arc Metamaterial. Nano Letters, 2014, 14, 1021-1025.	4.5	268
2	Nonlinear Imaging and Spectroscopy of Chiral Metamaterials. Advanced Materials, 2014, 26, 6157-6162.	11.1	138
3	Dynamic Tuning and Symmetry Lowering of Fano Resonance in Plasmonic Nanostructure. ACS Nano, 2012, 6, 2385-2393.	7.3	113
4	Electrifying photonic metamaterials for tunable nonlinear optics. Nature Communications, 2014, 5, 4680.	5.8	90
5	Backward phase-matching for nonlinear optical generation in negative-index materials. Nature Materials, 2015, 14, 807-811.	13.3	73
6	An Active Metamaterial Platform for Chiral Responsive Optoelectronics. Advanced Materials, 2015, 27, 4377-4383.	11.1	70
7	Intensity-dependent modulation of optically active signals in a chiral metamaterial. Nature Communications, 2017, 8, .	5.8	69
8	Metamaterials Enable Chiralâ€Selective Enhancement of Twoâ€Photon Luminescence from Quantum Emitters. Advanced Materials, 2015, 27, 1124-1130.	11.1	46
9	Silicon-Based 2-D Slab Photonic Crystal TM Polarizer at Telecommunication Wavelength. IEEE Photonics Technology Letters, 2008, 20, 641-643.	1.3	33
10	Nanorod orientation dependence of tunable Fano resonance in plasmonic nanorod heptamers. Nanoscale, 2013, 5, 1592.	2.8	21
11	Thermo-optically tunable silicon photonic crystal light modulator. Optics Letters, 2010, 35, 3613.	1.7	20
12	Electrically Tunable Harmonic Generation of Light from Plasmonic Structures in Electrolytes. Nano Letters, 2016, 16, 5074-5079.	4.5	19
13	Silicon-Based Thermo-Optically Tunable Photonic Crystal Lens. IEEE Photonics Technology Letters, 2010, 22, 21-23.	1.3	17
14	One-Step Combined-Nanolithography-and-Photolithography for a 2D Photonic Crystal TM Polarizer. Micromachines, 2014, 5, 228-238.	1.4	6
15	High-Aspect Ratio Metallic Nano Grippers. , 2006, , .		4
16	De-tethering of high aspect ratio metallic and polymeric MEMS/NEMS parts for the direct pick-and-place assembly of 3D microsystem. Microsystem Technologies, 2008, 14, 1621-1626.	1.2	3
17	Air-Suspended Fast Transient Tunable Silicon Photonic Crystal Waveguide. IEEE Photonics Technology Letters, 2014, 26, 603-605.	1.3	2
18	Corrections to â€œSilicon-Based 2-D Slab Photonic Crystal TM Polarizer at Telecommunication Wavelengthâ€•[15 Apr 08 641-643]. IEEE Photonics Technology Letters, 2008, 20, 1276-1276.	1.3	1

#	Article	IF	Citations
19	A Chiral Metamaterial for Chiral Responsive Optoelectronic Transduction. , 2016, , .		1
20	Silicon-based 2D slab nano photonic crystal TM polarizer in telecommunication wavelength. , 2007, , .		0
21	Feasibility Assessment and Analysis of a Forward Injected Photonic Crystal Device. IEEE Nanotechnology Magazine, 2009, 8, 391-401.	1.1	0
22	Modulating optically active signals in a chiral metamaterial with varied input intensities. , 2017, , .		0
23	Enhancement of Two-Photon Luminescence from Quantum Emitters: Metamaterial-Enabled Chiral Selectivity. , 2015, , .		0
24	Backward Phase-Matching in Negative-Index Materials. , 2016, , .		0
25	Achiral Nanoprobes Extract Chiral Signals from within Chiral Metamaterials. , 2016, , .		0