Fan Fan

List of Publications by Year
in descending order

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25 papers	685 citations	840776 11 h-index	940533 16 g-index
25 all docs	25 docs citations	25 times ranked	1406 citing authors

#	Article	IF	Citations
1	Mid-Infrared Lasing in Lead Sulfide Subwavelength Wires on Silicon. Nano Letters, 2020, 20, 470-477.	9.1	15
2	Highâ€Quality Indium Phosphide Films and Nanoâ€Network Grown Using Lowâ€Cost Metalâ€Catalyzed Vaporâ€“Liquidâ€“Solid Method for Photovoltaic Applications. Advanced Optical Materials, 2018, 6, 1800136.	7.3	3
3	Fabrication and room temperature operation of semiconductor nano-ring lasers using a general applicable membrane transfer method. Applied Physics Letters, 2017, 110, 171105.	3.3	12
4	Giant optical gain in a single-crystal erbium chloride silicate nanowire. Nature Photonics, 2017, 11, 589-593.	31.4	69
5	Room-temperature continuous-wave lasing from monolayer molybdenum ditelluride integrated with a silicon nanobeam cavity. Nature Nanotechnology, 2017, 12, 987-992.	31.5	241
6	Growth of InGaP Alloy Nanowires with Widely Tunable Bandgaps on Silicon Substrates. , 2017, , .		3
7	Semiconductor Nanolasers Based on 2D Monolayer Gain Media Integrated with Silicon Waveguides. , 2017, , .		0
8	Monolithic white lasers and semiconductor alloy nanostructures with a wide range of composition control. , 2016, , .		0
9	Colorâ€Temperature Tuning and Control of Trichromatic White Light Emission from a Multisegment ZnCdSSe Heterostructure Nanosheet. Advanced Functional Materials, 2016, 26, 8521-8526.	14.9	13
10	Multicolor and white lasers from semiconductor nanomaterials. , 2016, , .		0
11	Room temperature operation of semiconductor nano-ring lasers fabricated through a general applicable membrane release and transfer method. , 2016, , .		0
12	Cd_xPb_{1â€“x}S Alloy Nanowires and Heterostructures with Simultaneous Emission in Mid-Infrared and Visible Wavelengths. Nano Letters, 2015, 15, 909-916.	9.1	37
13	A monolithic white laser. Nature Nanotechnology, 2015, 10, 796-803.	31.5	190
14	Far-Field Pattern Reconstruction Using an Iterative Hilbert Transform. IEICE Transactions on Communications, 2015, E98.B, 1032-1039.	0.7	1
15	Semiconductor Nanolasers (A Tutorial). , 2014, , .		2
16	Facile synthesis of size-tunable Cu39S28 micro/nano-crystals and small-sized configuration enhanced visible-light photocatalytic activity. CrystEngComm, 2013, 15, 5792.	2.6	15
17	Simultaneous two-color lasing in a single CdSSe heterostructure nanosheet. Semiconductor Science and Technology, 2013, 28, 065005.	2.0	30
18	Phase Evolution of Cuï£¿S System in Ethylene Glycol Solution: the Effect of Anion and PVP on the Transformation of Thiourea. Chinese Journal of Chemistry, 2013, 31, 1015-1021.	4.9	15

#	Article	IF	Citations
19	Simultaneous green and red lasing in a single CdSSe heterostructure nanosheet at room temperature. , 2012, , .		0
20	A Bandwidth-Tuning Device Based on Polymer-Packaged Fiber Bragg Grating. IEEE Photonics Technology Letters, 2011, 23, 1225-1227.	2.5	4
21	Method for measuring liquid phase diffusion based on tilted fiber Bragg grating. Optics Letters, 2011, 36, 4308.	3.3	9
22	An optimized strain demodulation method based on dynamic double matched fiber Bragg grating filtering. Optics and Lasers in Engineering, 2011, 49, 415-418.	3.8	23
23	Sensitivity Analysis on Strain Sensor Based on Fabry-Perot Interferometer with Intensity Interrogation. Zhongguo Jiguang/Chinese Journal of Lasers, 2010, 37, 1525-1531.	1.2	2
24	A Vibration Sensor Based on Fiber Bragg Grating Fabry-Perot Cavity. Guangzi Xuebao/Acta Photonica Sinica, 2010, 39, 47-52.	0.3	0
25	Vaporâ€“liquidâ€“solid growth of highly stoichiometric gallium phosphide nanowires on silicon: restoration of chemical balance, congruent sublimation and maximization of band-edge emission. European Physical Journal: Special Topics, 0, , 1.	2.6	1