

# 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

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25  
docs citations

25  
times ranked

1406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-temperature continuous-wave lasing from monolayer molybdenum ditelluride integrated with a silicon nanobeam cavity. <i>Nature Nanotechnology</i> , 2017, 12, 987-992.	31.5	241
2	A monolithic white laser. <i>Nature Nanotechnology</i> , 2015, 10, 796-803.	31.5	190
3	Giant optical gain in a single-crystal erbium chloride silicate nanowire. <i>Nature Photonics</i> , 2017, 11, 589-593.	31.4	69
4	Cd <sub>x</sub> Pb <sub>1-x</sub> S Alloy Nanowires and Heterostructures with Simultaneous Emission in Mid-Infrared and Visible Wavelengths. <i>Nano Letters</i> , 2015, 15, 909-916.	9.1	37
5	Simultaneous two-color lasing in a single CdSSe heterostructure nanosheet. <i>Semiconductor Science and Technology</i> , 2013, 28, 065005.	2.0	30
6	An optimized strain demodulation method based on dynamic double matched fiber Bragg grating filtering. <i>Optics and Lasers in Engineering</i> , 2011, 49, 415-418.	3.8	23
7	Facile synthesis of size-tunable Cu <sub>3</sub> S <sub>2</sub> micro/nano-crystals and small-sized configuration enhanced visible-light photocatalytic activity. <i>CrystEngComm</i> , 2013, 15, 5792.	2.6	15
8	Phase Evolution of Cu <sub>2</sub> S System in Ethylene Glycol Solution: the Effect of Anion and PVP on the Transformation of Thiourea. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1015-1021.	4.9	15
9	Mid-Infrared Lasing in Lead Sulfide Subwavelength Wires on Silicon. <i>Nano Letters</i> , 2020, 20, 470-477.	9.1	15
10	Color-Temperature Tuning and Control of Trichromatic White Light Emission from a Multisegment ZnCdSSe Heterostructure Nanosheet. <i>Advanced Functional Materials</i> , 2016, 26, 8521-8526.	14.9	13
11	Fabrication and room temperature operation of semiconductor nano-ring lasers using a general applicable membrane transfer method. <i>Applied Physics Letters</i> , 2017, 110, 171105.	3.3	12
12	Method for measuring liquid phase diffusion based on tilted fiber Bragg grating. <i>Optics Letters</i> , 2011, 36, 4308.	3.3	9
13	A Bandwidth-Tuning Device Based on Polymer-Packaged Fiber Bragg Grating. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1225-1227.	2.5	4
14	High-Quality Indium Phosphide Films and Nano-Network Grown Using Low-Cost Metal-Catalyzed Vapor-Liquid-Solid Method for Photovoltaic Applications. <i>Advanced Optical Materials</i> , 2018, 6, 1800136.	7.3	3
15	Growth of InGaP Alloy Nanowires with Widely Tunable Bandgaps on Silicon Substrates. , 2017, , .		3
16	Semiconductor Nanolasers (A Tutorial). , 2014, , .		2
17	Sensitivity Analysis on Strain Sensor Based on Fabry-Perot Interferometer with Intensity Interrogation. <i>Zhongguo Jiguang/Chinese Journal of Lasers</i> , 2010, 37, 1525-1531.	1.2	2
18	Far-Field Pattern Reconstruction Using an Iterative Hilbert Transform. <i>IEICE Transactions on Communications</i> , 2015, E98.B, 1032-1039.	0.7	1

#	ARTICLE	IF	CITATIONS
19	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
20	Simultaneous green and red lasing in a single CdSSe heterostructure nanosheet at room temperature. , 2012, , .		0
21	Monolithic white lasers and semiconductor alloy nanostructures with a wide range of composition control. , 2016, , .		0
22	Multicolor and white lasers from semiconductor nanomaterials. , 2016, , .		0
23	A Vibration Sensor Based on Fiber Bragg Grating Fabry-Perot Cavity. Guangzi Xuebao/Acta Photonica Sinica, 2010, 39, 47-52.	0.3	0
24	Room temperature operation of semiconductor nano-ring lasers fabricated through a general applicable membrane release and transfer method. , 2016, , .		0
25	Semiconductor Nanolasers Based on 2D Monolayer Gain Media Integrated with Silicon Waveguides. , 2017, , .		0