

Fengrui Yao

List of Publications by Citations

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Version: 2024-04-19

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

410
citations

11
h-index

19
g-index

19
ext. papers

523
ext. citations

18.9
avg, IF

3.05
L-index

#	Paper	IF	Citations
17	Ultrafast and highly sensitive infrared photodetectors based on two-dimensional oxyselenide crystals. <i>Nature Communications</i> , 2018 , 9, 3311	17.4	135
16	Graphene photonic crystal fibre with strong and tunable light-matter interaction. <i>Nature Photonics</i> , 2019 , 13, 754-759	33.9	69
15	BN-Enabled Epitaxy of Pb(1-x)Sn(x)Se Nanoplates on SiO ₂ /Si for High-Performance Mid-Infrared Detection. <i>Small</i> , 2015 , 11, 5388-94	11	34
14	SWCNT-MoS ₂ -SWCNT Vertical Point Heterostructures. <i>Advanced Materials</i> , 2017 , 29, 1604469	24	26
13	Carbon Nanotubes as an Ultrafast Emitter with a Narrow Energy Spread at Optical Frequency. <i>Advanced Materials</i> , 2017 , 29, 1701580	24	25
12	Ultrafast Broadband Charge Collection from Clean Graphene/CHNHPBI Interface. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14952-14957	16.4	21
11	High Conversion Efficiency Carbon Nanotube-Based Barrier-Free Bipolar-Diode Photodetector. <i>ACS Nano</i> , 2016 , 10, 9595-9601	16.7	18
10	Chemical Intercalation of Topological Insulator Grid Nanostructures for High-Performance Transparent Electrodes. <i>Advanced Materials</i> , 2017 , 29, 1703424	24	17
9	Real-Time Observation of Carbon Nanotube Etching Process Using Polarized Optical Microscope. <i>Advanced Materials</i> , 2017 , 29, 1701959	24	13
8	Measurement of complex optical susceptibility for individual carbon nanotubes by elliptically polarized light excitation. <i>Nature Communications</i> , 2018 , 9, 3387	17.4	13
7	Quiver-quenched optical-field-emission from carbon nanotubes. <i>Applied Physics Letters</i> , 2017 , 111, 133104	11	11
6	Complete structural characterization of single carbon nanotubes by Rayleigh scattering circular dichroism. <i>Nature Nanotechnology</i> , 2021 , 16, 1073-1078	28.7	9
5	High-Throughput Determination of Statistical Structure Information for Horizontal Carbon Nanotube Arrays by Optical Imaging. <i>Advanced Materials</i> , 2016 , 28, 2018-23	24	8
4	Colors of Single-Wall Carbon Nanotubes. <i>Advanced Materials</i> , 2021 , 33, e2006395	24	7
3	Carbon Nanotubes: Carbon Nanotubes as an Ultrafast Emitter with a Narrow Energy Spread at Optical Frequency (Adv. Mater. 30/2017). <i>Advanced Materials</i> , 2017 , 29,	24	3
2	High-Throughput Optical Imaging and Spectroscopy of One-Dimensional Materials. <i>Chemistry - A European Journal</i> , 2017 , 23, 9703-9710	4.8	
1	Carbon Nanotubes: Colors of Single-Wall Carbon Nanotubes (Adv. Mater. 8/2021). <i>Advanced Materials</i> , 2021 , 33, 2170060	24	

