

Fengrui Yao

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

622
citations

758635

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19
times ranked

1447
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast and highly sensitive infrared photodetectors based on two-dimensional oxyselenide crystals. <i>Nature Communications</i> , 2018, 9, 3311.	5.8	213
2	Graphene photonic crystal fibre with strong and tunable light-matter interaction. <i>Nature Photonics</i> , 2019, 13, 754-759.	15.6	127
3	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, 5388-5394.	5.2	41
4	Carbon Nanotubes as an Ultrafast Emitter with a Narrow Energy Spread at Optical Frequency. <i>Advanced Materials</i> , 2017, 29, 1701580.	11.1	37
5	SWCNT-MoS ₂ -SWCNT Vertical Point Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1604469.	11.1	32
6	Ultrafast Broadband Charge Collection from Clean Graphene/CH ₃ NH ₃ Pb ₃ Interface. <i>Journal of the American Chemical Society</i> , 2018, 140, 14952-14957.	6.6	29
7	High Conversion Efficiency Carbon Nanotube-Based Barrier-Free Bipolar-Diode Photodetector. <i>ACS Nano</i> , 2016, 10, 9595-9601.	7.3	23
8	Chemical Intercalation of Topological Insulator Grid Nanostructures for High-Performance Transparent Electrodes. <i>Advanced Materials</i> , 2017, 29, 1703424.	11.1	21
9	Measurement of complex optical susceptibility for individual carbon nanotubes by elliptically polarized light excitation. <i>Nature Communications</i> , 2018, 9, 3387.	5.8	18
10	Colors of Single-Wall Carbon Nanotubes. <i>Advanced Materials</i> , 2021, 33, e2006395.	11.1	18
11	Complete structural characterization of single carbon nanotubes by Rayleigh scattering circular dichroism. <i>Nature Nanotechnology</i> , 2021, 16, 1073-1078.	15.6	18
12	Real-Time Observation of Carbon Nanotube Etching Process Using Polarized Optical Microscope. <i>Advanced Materials</i> , 2017, 29, 1701959.	11.1	13
13	Quiver-quenched optical-field-emission from carbon nanotubes. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	13
14	High-Throughput Determination of Statistical Structure Information for Horizontal Carbon Nanotube Arrays by Optical Imaging. <i>Advanced Materials</i> , 2016, 28, 2018-2023.	11.1	11
15	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, .	11.1	4
16	High-Throughput Optical Imaging and Spectroscopy of One-Dimensional Materials. <i>Chemistry - A European Journal</i> , 2017, 23, 9703-9710.	1.7	1
17	Carbon Nanotubes: Colors of Single-Wall Carbon Nanotubes (Adv. Mater. 8/2021). <i>Advanced Materials</i> , 2021, 33, 2170060.	11.1	1
18	Frontispiece: High-Throughput Optical Imaging and Spectroscopy of One-Dimensional Materials. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0