

# Fengrui Yao

## List of Publications by Year in descending order

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18  
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#	ARTICLE	IF	CITATIONS
1	Colors of Single-Wall Carbon Nanotubes. <i>Advanced Materials</i> , 2021, 33, e2006395.	21.0	18
2	Carbon Nanotubes: Colors of Single-Wall Carbon Nanotubes (Adv. Mater. 8/2021). <i>Advanced Materials</i> , 2021, 33, 2170060.	21.0	1
3	Complete structural characterization of single carbon nanotubes by Rayleigh scattering circular dichroism. <i>Nature Nanotechnology</i> , 2021, 16, 1073-1078.	31.5	18
4	Graphene photonic crystal fibre with strong and tunable light-matter interaction. <i>Nature Photonics</i> , 2019, 13, 754-759.	31.4	127
5	Ultrafast Broadband Charge Collection from Clean Graphene/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Interface. <i>Journal of the American Chemical Society</i> , 2018, 140, 14952-14957.	13.7	29
6	Ultrafast and highly sensitive infrared photodetectors based on two-dimensional oxyselenide crystals. <i>Nature Communications</i> , 2018, 9, 3311.	12.8	213
7	Measurement of complex optical susceptibility for individual carbon nanotubes by elliptically polarized light excitation. <i>Nature Communications</i> , 2018, 9, 3387.	12.8	18
8	Carbon Nanotubes as an Ultrafast Emitter with a Narrow Energy Spread at Optical Frequency. <i>Advanced Materials</i> , 2017, 29, 1701580.	21.0	37
9	Real-Time Observation of Carbon Nanotube Etching Process Using Polarized Optical Microscope. <i>Advanced Materials</i> , 2017, 29, 1701959.	21.0	13
10	High-Throughput Optical Imaging and Spectroscopy of One-Dimensional Materials. <i>Chemistry - A European Journal</i> , 2017, 23, 9703-9710.	3.3	1
11	SWCNT-MoS <sub>2</sub> -SWCNT Vertical Point Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1604469.	21.0	32
12	Chemical Intercalation of Topological Insulator Grid Nanostructures for High-Performance Transparent Electrodes. <i>Advanced Materials</i> , 2017, 29, 1703424.	21.0	21
13	Quiver-quenched optical-field-emission from carbon nanotubes. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	13
14	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, .	21.0	4
15	Frontispiece: High-Throughput Optical Imaging and Spectroscopy of One-Dimensional Materials. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0
16	High-Throughput Determination of Statistical Structure Information for Horizontal Carbon Nanotube Arrays by Optical Imaging. <i>Advanced Materials</i> , 2016, 28, 2018-2023.	21.0	11
17	High Conversion Efficiency Carbon Nanotube-Based Barrier-Free Bipolar-Diode Photodetector. <i>ACS Nano</i> , 2016, 10, 9595-9601.	14.6	23
18	BN-Enabled Epitaxy of Pb <sub>1-x</sub> Sn <sub>x</sub> Se Nanoplates on SiO <sub>2</sub> /Si for High-Performance Mid-Infrared Detection. <i>Small</i> , 2015, 11, 5388-5394.	10.0	41