

# Jiangtao Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

953  
citations

759233

12  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft-lock drawing of super-aligned carbon nanotube bundles for nanometre electrical contacts. <i>Nature Nanotechnology</i> , 2022, 17, 278-284.	31.5	24
2	Ultralow contact resistance between semimetal and monolayer semiconductors. <i>Nature</i> , 2021, 593, 211-217.	27.8	579
3	Designing artificial two-dimensional landscapes via atomic-layer substitution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	43
4	Anomalous heavy doping in chemical-vapor-deposited titanium trisulfide nanostructures. <i>Physical Review Materials</i> , 2021, 5, .	2.4	3
5	Toward an Intelligent Synthesis: Monitoring and Intervening in the Catalytic Growth of Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2021, 143, 17607-17614.	13.7	3
6	The Influence of Carbon Nanotube's Conductivity and Diameter on Its Thermionic Electron Emission. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2070048.	1.8	0
7	The Influence of Carbon Nanotube's Conductivity and Diameter on Its Thermionic Electron Emission. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000069.	1.8	1
8	Optical Phonon Scattering Dominated Transport in Individual Suspended Carbon Nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000103.	1.5	1
9	Continuous, Ultra-lightweight, and Multipurpose Super-aligned Carbon Nanotube Tapes Viable over a Wide Range of Temperatures. <i>Nano Letters</i> , 2019, 19, 6756-6764.	9.1	17
10	Growing highly pure semiconducting carbon nanotubes by electrotwisting the helicity. <i>Nature Catalysis</i> , 2018, 1, 326-331.	34.4	61
11	Stressed carbon nanotube devices for high tunability, high quality factor, single mode GHz resonators. <i>Nano Research</i> , 2018, 11, 5812-5822.	10.4	13
12	Direct discrimination between semiconducting and metallic single-walled carbon nanotubes with high spatial resolution by SEM. <i>Nano Research</i> , 2017, 10, 1896-1902.	10.4	11
13	Low-energy transmission electron diffraction and imaging of large-area graphene. <i>Science Advances</i> , 2017, 3, e1603231.	10.3	35
14	Observation of Charge Generation and Transfer during CVD Growth of Carbon Nanotubes. <i>Nano Letters</i> , 2016, 16, 4102-4109.	9.1	30
15	Stacked 3D RRAM Array with Graphene/CNT as Edge Electrodes. <i>Scientific Reports</i> , 2015, 5, 13785.	3.3	38
16	True-color real-time imaging and spectroscopy of carbon nanotubes on substrates using enhanced Rayleigh scattering. <i>Nano Research</i> , 2015, 8, 2721-2732.	10.4	34
17	Freestanding macroscopic metal-oxide nanotube films derived from carbon nanotube film templates. <i>Nano Research</i> , 2015, 8, 2024-2032.	10.4	4
18	Vapor-Condensation-Assisted Optical Microscopy for Ultralong Carbon Nanotubes and Other Nanostructures. <i>Nano Letters</i> , 2014, 14, 3527-3533.	9.1	29

#	ARTICLE	IF	CITATIONS
19	Evaluating Bandgap Distributions of Carbon Nanotubes via Scanning Electron Microscopy Imaging of the Schottky Barriers. Nano Letters, 2013, 13, 5556-5562.	9.1	24