Jiangtao Wang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1112027/publications.pdf

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19	953	759233 12	794594 19
papers	citations	h-index	g-index

21	21	21	1130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultralow contact resistance between semimetal and monolayer semiconductors. Nature, 2021, 593, 211-217.	27.8	579
2	Growing highly pure semiconducting carbon nanotubes by electrotwisting the helicity. Nature Catalysis, 2018, 1, 326-331.	34.4	61
3	Designing artificial two-dimensional landscapes via atomic-layer substitution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
4	Stacked 3D RRAM Array with Graphene/CNT as Edge Electrodes. Scientific Reports, 2015, 5, 13785.	3.3	38
5	Low-energy transmission electron diffraction and imaging of large-area graphene. Science Advances, 2017, 3, e1603231.	10.3	35
6	True-color real-time imaging and spectroscopy of carbon nanotubes on substrates using enhanced Rayleigh scattering. Nano Research, 2015, 8, 2721-2732.	10.4	34
7	Observation of Charge Generation and Transfer during CVD Growth of Carbon Nanotubes. Nano Letters, 2016, 16, 4102-4109.	9.1	30
8	Vapor-Condensation-Assisted Optical Microscopy for Ultralong Carbon Nanotubes and Other Nanostructures. Nano Letters, 2014, 14, 3527-3533.	9.1	29
9	Evaluating Bandgap Distributions of Carbon Nanotubes via Scanning Electron Microscopy Imaging of the Schottky Barriers. Nano Letters, 2013, 13, 5556-5562.	9.1	24
10	Soft-lock drawing of super-aligned carbon nanotube bundles for nanometre electrical contacts. Nature Nanotechnology, 2022, 17, 278-284.	31.5	24
11	Continuous, Ultra-lightweight, and Multipurpose Super-aligned Carbon Nanotube Tapes Viable over a Wide Range of Temperatures. Nano Letters, 2019, 19, 6756-6764.	9.1	17
12	Stressed carbon nanotube devices for high tunability, high quality factor, single mode GHz resonators. Nano Research, 2018, 11, 5812-5822.	10.4	13
13	Direct discrimination between semiconducting and metallic single-walled carbon nanotubes with high spatial resolution by SEM. Nano Research, 2017, 10, 1896-1902.	10.4	11
14	Freestanding macroscopic metal-oxide nanotube films derived from carbon nanotube film templates. Nano Research, 2015, 8, 2024-2032.	10.4	4
15	Anomalous heavy doping in chemical-vapor-deposited titanium trisulfide nanostructures. Physical Review Materials, 2021, 5, .	2.4	3
16	Toward an Intelligent Synthesis: Monitoring and Intervening in the Catalytic Growth of Carbon Nanotubes. Journal of the American Chemical Society, 2021, 143, 17607-17614.	13.7	3
17	The Influence of Carbon Nanotube's Conductivity and Diameter on Its Thermionic Electron Emission. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000069.	1.8	1
18	Optical Phonon Scattering Dominated Transport in Individual Suspended Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2020, 257, 2000103.	1.5	1

#	Article	IF	Citations
19	The Influence of Carbon Nanotube's Conductivity and Diameter on Its Thermionic Electron Emission. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2070048.	1.8	0