

Jian Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Molecular Magnets Based on Graphenes and Carbon Nanotubes. <i>Advanced Materials</i> , 2019, 31, e1804917.	21.0	13
2	Nanoenvelopes: Wrapping a Single-Walled Carbon Nanotube with Graphene using an Atomic Force Microscope. <i>Advanced Materials</i> , 2019, 31, 1804918.	21.0	6
3	Room-Temperature Carbon Nanotube Single-Electron Transistors with Mechanical Buckling-Defined Quantum Dots. <i>Advanced Electronic Materials</i> , 2018, 4, 1700628.	5.1	8
4	Deterministic and Etching-Free Transfer of Large-Scale 2D Layered Materials for Constructing Interlayer Coupled van der Waals Heterostructures. <i>Advanced Materials Technologies</i> , 2018, 3, 1700282.	5.8	26
5	Ultraclean individual suspended single-walled carbon nanotube field effect transistor. <i>Nanotechnology</i> , 2018, 29, 175302.	2.6	3
6	Observation of Van Hove Singularities and Temperature Dependence of Electrical Characteristics in Suspended Carbon Nanotube Schottky Barrier Transistors. <i>Nano-Micro Letters</i> , 2018, 10, 25.	27.0	7
7	Large positive magnetoresistance in semiconducting single-walled carbon nanotubes at room temperature. <i>RSC Advances</i> , 2018, 8, 10179-10184.	3.6	2
8	Nanogap-Engineerable Electromechanical System for Ultralow Power Memory. <i>Advanced Science</i> , 2018, 5, 1700588.	11.2	11
9	Large magnetic moment at sheared ends of single-walled carbon nanotubes. <i>Chinese Physics B</i> , 2018, 27, 128101.	1.4	7
10	Experimental Evidence of Negative Thermal Expansion in a Composite Nanocable of Single-Walled Carbon Nanotubes and Amorphous Carbon along the Axial Direction. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26707-26712.	3.1	4
11	Wettability of graphene nanoribbons films with different surface density. <i>RSC Advances</i> , 2017, 7, 11890-11895.	3.6	4
12	Wettability of monolayer graphene/single-walled carbon nanotube hybrid films. <i>RSC Advances</i> , 2017, 7, 48184-48188.	3.6	6
13	Wafer-Scale Fabrication of Suspended Single-Walled Carbon Nanotube Arrays by Silver Liquid Dynamics. <i>Small</i> , 2017, 13, 1701218.	10.0	16
14	Large-Scale Fabrication of Suspended, Aligned, and Strained Single-Walled Carbon Nanotube Networks. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28576-28580.	3.1	3
15	Controlling conducting channels of single-walled carbon nanotube array with atomic force microscopy. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 759-764.	3.1	2
16	Thinning of n-layer MoS ₂ by annealing a palladium film under vacuum. <i>RSC Advances</i> , 2016, 6, 50595-50598.	3.6	2
17	Thickness-dependent morphologies of Ag on n-layer MoS ₂ and its surface-enhanced Raman scattering. <i>Nano Research</i> , 2016, 9, 1682-1688.	10.4	16
18	Effective enhancement of the mechanical properties of macroscopic single-walled carbon nanotube fibers by pressure treatment. <i>RSC Advances</i> , 2016, 6, 97012-97017.	3.6	17

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19	Investigations on the wettability of graphene on a micron-scale hole array substrate. RSC Advances, 2016, 6, 1999-2003.	3.6	10
20	Lattice Selective Growth of Graphene on Sapphire Substrate. Journal of Physical Chemistry C, 2015, 119, 426-430.	3.1	8
21	Giant magnetic moment at open ends of multiwalled carbon nanotubes. Chinese Physics B, 2015, 24, 016202.	1.4	3
22	Generating electricity using graphene nanodrums. RSC Advances, 2015, 5, 34065-34069.	3.6	6
23	Wettability of graphene nanoribbon/single-walled carbon nanotube hybrid film. RSC Advances, 2014, 4, 59486-59490.	3.6	4
24	The search for superconductivity at van Hove singularities in carbon nanotubes. Superconductor Science and Technology, 2012, 25, 124005.	3.5	15