# Jian Zhang

List of Publications by Year
in descending order



| | | 1163117 | 1125743 |
|---|---|---|---|
| 24 | 199 | 8 | 13 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 24 | 24 | 24 | 371 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Deterministic and Etchingâ€Free Transfer of Largeâ€Scale 2D Layered Materials for Constructing Interlayer Coupled van der Waals Heterostructures. Advanced Materials Technologies, 2018, 3, 1700282. | 5.8 | 26 |
| 2 | Effective enhancement of the mechanical properties of macroscopic single-walled carbon nanotube fibers by pressure treatment. RSC Advances, 2016, 6, 97012-97017. | 3.6 | 17 |
| 3 | Thickness-dependent morphologies of Ag on n-layer MoS2 and its surface-enhanced Raman scattering. Nano Research, 2016, 9, 1682-1688. | 10.4 | 16 |
| 4 | Waferâ€Scale Fabrication of Suspended Singleâ€Walled Carbon Nanotube Arrays by Silver Liquid Dynamics. Small, 2017, 13, 1701218. | 10.0 | 16 |
| 5 | The search for superconductivity at van Hove singularities in carbon nanotubes. Superconductor Science and Technology, 2012, 25, 124005. | 3.5 | 15 |
| 6 | Molecular Magnets Based on Graphenes and Carbon Nanotubes. Advanced Materials, 2019, 31, e1804917. | 21.0 | 13 |
| 7 | Nanogapâ€Engineerable Electromechanical System for Ultralow Power Memory. Advanced Science, 2018, 5, 1700588. | 11.2 | 11 |
| 8 | Investigations on the wettability of graphene on a micron-scale hole array substrate. RSC Advances, 2016, 6, 1999-2003. | 3.6 | 10 |
| 9 | Lattice Selective Growth of Graphene on Sapphire Substrate. Journal of Physical Chemistry C, 2015, 119, 426-430. | 3.1 | 8 |
| 10 | Roomâ€Temperature Carbon Nanotube Singleâ€Electron Transistors with Mechanical Bucklingâ€“Defined Quantum Dots. Advanced Electronic Materials, 2018, 4, 1700628. | 5.1 | 8 |
| 11 | Observation of Van Hove Singularities and Temperature Dependence of Electrical Characteristics in Suspended Carbon Nanotube Schottky Barrier Transistors. Nano-Micro Letters, 2018, 10, 25. | 27.0 | 7 |
| 12 | Large magnetic moment at sheared ends of single-walled carbon nanotubes. Chinese Physics B, 2018, 27, 128101. | 1.4 | 7 |
| 13 | Generating electricity using graphene nanodrums. RSC Advances, 2015, 5, 34065-34069. | 3.6 | 6 |
| 14 | Wettability of monolayer graphene/single-walled carbon nanotube hybrid films. RSC Advances, 2017, 7, 48184-48188. | 3.6 | 6 |
| 15 | Nanoenvelopes: Wrapping a Singleâ€Walled Carbon Nanotube with Graphene using an Atomic Force Microscope. Advanced Materials, 2019, 31, 1804918. | 21.0 | 6 |
| 16 | Wettability of graphene nanoribbon/single-walled carbon nanotube hybrid film. RSC Advances, 2014, 4, 59486-59490. | 3.6 | 4 |
| 17 | Wettability of graphene nanoribbons films with different surface density. RSC Advances, 2017, 7, 11890-11895. | 3.6 | 4 |
| 18 | Experimental Evidence of Negative Thermal Expansion in a Composite Nanocable of Single-Walled Carbon Nanotubes and Amorphous Carbon along the Axial Direction. Journal of Physical Chemistry C, 2018, 122, 26707-26712. | 3.1 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Giant magnetic moment at open ends of multiwalled carbon nanotubes. Chinese Physics B, 2015, 24, 016202. | 1.4 | 3 |
| 20 | Large-Scale Fabrication of Suspended, Aligned, and Strained Single-Walled Carbon Nanotube Networks. Journal of Physical Chemistry C, 2017, 121, 28576-28580. | 3.1 | 3 |
| 21 | Ultraclean individual suspended single-walled carbon nanotube field effect transistor. Nanotechnology, 2018, 29, 175302. | 2.6 | 3 |
| 22 | Thinning of n-layer MoS<sub>2</sub> by annealing a palladium film under vacuum. RSC Advances, 2016, 6, 50595-50598. | 3.6 | 2 |
| 23 | Controlling conducting channels of single-walled carbon nanotube array with atomic force microscopy. Applied Nanoscience (Switzerland), 2017, 7, 759-764. | 3.1 | 2 |
| 24 | Large positive magnetoresistance in semiconducting single-walled carbon nanotubes at room temperature. RSC Advances, 2018, 8, 10179-10184. | 3.6 | 2 |