Jie Li

List of Publications by Year in descending order

19 papers	313 citations	1040056 9 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	371 citing authors

#	Article	IF	Citations
1	A Dramatic Oddâ€“Even Oscillating Behavior for the Current Rectification and Negative Differential Resistance in Carbonâ€Chainâ€Modified Donorâ€“Acceptor Molecular Devices. Advanced Functional Materials, 2013, 23, 2765-2774.	14.9	86
2	Coalescence of Immiscible Liquid Metal Drop on Graphene. Scientific Reports, 2016, 6, 34074.	3.3	34
3	Perfect Spin Filtering Effect on Fe₃GeTe₂-Based Van der Waals Magnetic Tunnel Junctions. Journal of Physical Chemistry C, 2020, 124, 27429-27435.	3.1	32
4	Distinctive electron transport on pyridine-linked molecular junctions with narrow monolayer graphene nanoribbon electrodes compared with metal electrodes and graphene electrodes. Physical Chemistry Chemical Physics, 2016, 18, 28217-28226.	2.8	25
5	Effect of nano-pillared surfaces with an arrangement density gradient on droplet coalescence dynamics. Physical Chemistry Chemical Physics, 2018, 20, 24750-24758.	2.8	24
6	Bouncing dynamics of liquid drops impact on ridge structure: an effective approach to reduce the contact time. Physical Chemistry Chemical Physics, 2018, 20, 16493-16500.	2.8	19
7	Distinct impact behaviors of liquid metals featured by diffusion and microstructure on different substrates: Insights from molecular dynamics simulation. Computational Materials Science, 2018, 145, 174-183.	3.0	17
8	Molecular dynamics study on the formation of self-organized core/shell structures in the Pb alloy at the nanoscale. RSC Advances, 2017, 7, 53509-53515.	3.6	13
9	Electronic transport properties of heterojunction devices constructed by single-wall Fe₂Si and carbon nanotubes. Journal of Materials Chemistry C, 2018, 6, 5794-5802.	5.5	11
10	Density dependent structural phase transition for confined copper: origin of the layering. Physical Chemistry Chemical Physics, 2018, 20, 9337-9342.	2.8	8
11	â€œEvenâ€•conducting superiority in molecular wires designed by porphyrin and graphene nanoribbons. Materials and Design, 2020, 189, 108487.	7.0	8
12	Crystallization behavior of a confined CuZr metallic liquid film with a sandwich-like structure. Physical Chemistry Chemical Physics, 2019, 21, 13738-13745.	2.8	7
13	Distinctive electronic transport in pyridine-based devices with narrow graphene nanoribbon electrodes. RSC Advances, 2017, 7, 53696-53705.	3.6	6
14	First principles study of electronic transport properties in novel FeB₂ flake-based nanodevices. Physical Chemistry Chemical Physics, 2018, 20, 4455-4465.	2.8	6
15	Superior electron transport of ultra-thin SiC nanowires with one impending tensile monatomic chain. Vacuum, 2022, 199, 110950.	3.5	6
16	Spatial heterogeneity in liquidâ€“liquid phase transition. Chinese Physics B, 2017, 26, 036401.	1.4	3
17	Layering and phase transition of liquid aluminum confined by different substrates. Computational Materials Science, 2018, 143, 157-162.	3.0	3
18	Extreme electron transport suppression in siloxane ring-based molecular devices. Physical Chemistry Chemical Physics, 2018, 20, 23352-23362.	2.8	3

#	Article	IF	Citations
19	Electron transport properties of TiC molecular devices with different interfacial contact. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 415, 127650.	2.1	2