

# Jie Li

## List of Publications by Year in descending order

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19  
papers

313  
citations

1040056

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839539

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19  
docs citations

19  
times ranked

371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superior electron transport of ultra-thin SiC nanowires with one impending tensile monatomic chain. <i>Vacuum</i> , 2022, 199, 110950.	3.5	6
2	Electron transport properties of TiC molecular devices with different interfacial contact. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 415, 127650.	2.1	2
3	“Even”-conducting superiority in molecular wires designed by porphyrin and graphene nanoribbons. <i>Materials and Design</i> , 2020, 189, 108487.	7.0	8
4	Perfect Spin Filtering Effect on Fe <sub>3</sub> GeTe <sub>2</sub> -Based Van der Waals Magnetic Tunnel Junctions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27429-27435.	3.1	32
5	Crystallization behavior of a confined CuZr metallic liquid film with a sandwich-like structure. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13738-13745.	2.8	7
6	Density dependent structural phase transition for confined copper: origin of the layering. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9337-9342.	2.8	8
7	First principles study of electronic transport properties in novel FeB <sub>2</sub> flake-based nanodevices. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4455-4465.	2.8	6
8	Distinct impact behaviors of liquid metals featured by diffusion and microstructure on different substrates: Insights from molecular dynamics simulation. <i>Computational Materials Science</i> , 2018, 145, 174-183.	3.0	17
9	Layering and phase transition of liquid aluminum confined by different substrates. <i>Computational Materials Science</i> , 2018, 143, 157-162.	3.0	3
10	Effect of nano-pillared surfaces with an arrangement density gradient on droplet coalescence dynamics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24750-24758.	2.8	24
11	Bouncing dynamics of liquid drops impact on ridge structure: an effective approach to reduce the contact time. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16493-16500.	2.8	19
12	Electronic transport properties of heterojunction devices constructed by single-wall Fe <sub>2</sub> Si and carbon nanotubes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5794-5802.	5.5	11
13	Extreme electron transport suppression in siloxane ring-based molecular devices. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23352-23362.	2.8	3
14	Distinctive electronic transport in pyridine-based devices with narrow graphene nanoribbon electrodes. <i>RSC Advances</i> , 2017, 7, 53696-53705.	3.6	6
15	Molecular dynamics study on the formation of self-organized core/shell structures in the Pb alloy at the nanoscale. <i>RSC Advances</i> , 2017, 7, 53509-53515.	3.6	13
16	Spatial heterogeneity in liquid-liquid phase transition. <i>Chinese Physics B</i> , 2017, 26, 036401.	1.4	3
17	Distinctive electron transport on pyridine-linked molecular junctions with narrow monolayer graphene nanoribbon electrodes compared with metal electrodes and graphene electrodes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28217-28226.	2.8	25
18	Coalescence of Immiscible Liquid Metal Drop on Graphene. <i>Scientific Reports</i> , 2016, 6, 34074.	3.3	34

#	ARTICLE	IF	CITATIONS
19	A Dramatic Oddâ€Even Oscillating Behavior for the Current Rectification and Negative Differential Resistance in Carbonâ€Chainâ€Modified Donorâ€Acceptor Molecular Devices. <i>Advanced Functional Materials</i> , 2013, 23, 2765-2774.	14.9	86