

# Zhichao Wang

## List of Publications by Year in descending order

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16  
papers

130  
citations

1307594

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h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid–Liquid Phase Transition in Nanoconfined Silicon Carbide. <i>Journal of the American Chemical Society</i> , 2016, 138, 2815-2822.	13.7	29
2	Liquid-liquid phase transition and structure inheritance in carbon films. <i>Scientific Reports</i> , 2014, 4, 3635.	3.3	23
3	Layering transition in confined silicon. <i>Nanoscale</i> , 2014, 6, 4217.	5.6	14
4	Molecular dynamics study on the nucleation of Al–Si melts on sheet substrates at the nanoscale. <i>Nanoscale</i> , 2016, 8, 4520-4528.	5.6	8
5	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
6	Theoretical study of electronic transport properties of lead nanowires doped with silicon. <i>Computational Materials Science</i> , 2017, 136, 198-206.	3.0	7
7	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
8	Heterogeneous nucleation of Al melt in symmetrical or asymmetrical confined nanoslits. <i>Nanoscale</i> , 2016, 8, 12339-12346.	5.6	6
9	Electronic transport properties of heterojunction Pb/Pb-Si nanochain devices. <i>Computational Materials Science</i> , 2018, 155, 216-223.	3.0	6
10	–shaped BP/PbS/PbSe nano-devices based on silicon carbide nanoribbons. <i>RSC Advances</i> , 2018, 8, 35050-35055.	3.6	5
11	Synergy and pinning effects in a monatomic liquid film in confined conditions. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13380-13386.	2.8	4
12	Electronic transport properties of PbSi Schottky-clamped transistors with a surrounding metal–insulator gate. <i>RSC Advances</i> , 2018, 8, 1519-1527.	3.6	4
13	Structural evolution of a Si melt in nanoscale confined space. <i>RSC Advances</i> , 2015, 5, 49175-49181.	3.6	3
14	Spatial heterogeneity in liquid–liquid phase transition. <i>Chinese Physics B</i> , 2017, 26, 036401.	1.4	3
15	Layering and phase transition of liquid aluminum confined by different substrates. <i>Computational Materials Science</i> , 2018, 143, 157-162.	3.0	3
16	Abnormal separation of the silicon–oxygen bond in the liquid layering transition of silicon dioxide in a nanoslit. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3724-3734.	2.8	0