

Zhichao Wang

List of Publications by Year in descending order

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16
papers

130
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1307594

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1281871

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docs citations

16
times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Layering and phase transition of liquid aluminum confined by different substrates. <i>Computational Materials Science</i> , 2018, 143, 157-162.	3.0	3
6	Y-shaped BP/PbS/PbSe nano-devices based on silicon carbide nanoribbons. <i>RSC Advances</i> , 2018, 8, 35050-35055.	3.6	5
7	Electronic transport properties of heterojunction Pb/Pb-Si nanochain devices. <i>Computational Materials Science</i> , 2018, 155, 216-223.	3.0	6
8	Theoretical study of electronic transport properties of lead nanowires doped with silicon. <i>Computational Materials Science</i> , 2017, 136, 198-206.	3.0	7
9	Spatial heterogeneity in liquid-liquid phase transition. <i>Chinese Physics B</i> , 2017, 26, 036401.	1.4	3
10	Heterogeneous nucleation of Al melt in symmetrical or asymmetrical confined nanoslits. <i>Nanoscale</i> , 2016, 8, 12339-12346.	5.6	6
11	Liquid-Liquid Phase Transition in Nanoconfined Silicon Carbide. <i>Journal of the American Chemical Society</i> , 2016, 138, 2815-2822.	13.7	29
12	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
13	Structural evolution of a Si melt in nanoscale confined space. <i>RSC Advances</i> , 2015, 5, 49175-49181.	3.6	3
14	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
15	Layering transition in confined silicon. <i>Nanoscale</i> , 2014, 6, 4217.	5.6	14
16	Liquid-liquid phase transition and structure inheritance in carbon films. <i>Scientific Reports</i> , 2014, 4, 3635.	3.3	23