

Xiaojun Lv

List of Publications by Year in descending order

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12
papers

385
citations

1040056

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461
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial wetting mechanisms of Al liquid on cathode carbon blocks of aluminum reduction cell for developing wettable cathode materials. <i>Journal of Molecular Liquids</i> , 2020, 298, 112017.	4.9	10
2	The wetting characteristics of aluminum droplets on rough surfaces with molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2361-2371.	2.8	17
3	Ionic micro-structure and transport properties of low-temperature aluminium electrolytes containing potassium cryolite and sodium cryolite. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16573-16582.	2.8	8
4	Coalescence and wetting mechanism of Al droplets on different types of carbon for developing wettable cathodes: a molecular dynamics simulation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21473-21484.	2.8	1
5	Ionic structure and transport properties of $\text{KF} \cdot \text{NaF} \cdot \text{AlF}_3$ fused salt: a molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7474-7482.	2.8	25
6	First-principles molecular dynamics study of ionic structure and transport properties of $\text{LiF} \cdot \text{NaF} \cdot \text{AlF}_3$ molten salt. <i>Chemical Physics Letters</i> , 2018, 706, 237-242.	2.6	31
7	DFT investigation of capacious, ultrafast and highly conductive hexagonal Cr_2C and V_2C monolayers as anode materials for high-performance lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7807-7819.	2.8	59
8	First-principles molecular dynamics investigation on Na_3AlF_6 molten salt. <i>Journal of Fluorine Chemistry</i> , 2016, 185, 42-47.	1.7	31
9	Molecular dynamics investigation on structural and transport properties of $\text{Na}_3\text{AlF}_6 \cdot \text{Al}_2\text{O}_3$ molten salt. <i>Journal of Molecular Liquids</i> , 2016, 221, 26-32.	4.9	34
10	Theoretical investigation on local structure and transport properties of NaAlF_3 molten salts under electric field environment. <i>Journal of Molecular Structure</i> , 2016, 1117, 105-112.	3.6	21
11	Investigation of fluorine adsorption on nitrogen doped MgAl_2O_4 surface by first-principles. <i>Applied Surface Science</i> , 2016, 376, 97-104.	6.1	33
12	A promising anode material for sodium-ion battery with high capacity and high diffusion ability: graphyne and graphdiyne. <i>RSC Advances</i> , 2016, 6, 25594-25600.	3.6	115