

Xiaojun Lv

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

385
citations

1040056

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h-index

1199594

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all docs

12
docs citations

12
times ranked

461
citing authors

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