

Fathi Aqra

List of Publications by Year in descending order

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papers

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all docs

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Surface energies of metals in both liquid and solid states. <i>Applied Surface Science</i> , 2011, 257, 6372-6379.	6.1	103
2	Surface free energy of alkali and transition metal nanoparticles. <i>Applied Surface Science</i> , 2014, 314, 308-313.	6.1	38
3	Theoretical consideration of the anomalous temperature dependence of the surface tension of pure liquid gallium. <i>Theoretical Chemistry Accounts</i> , 2010, 127, 443-448.	1.4	31
4	Surface tension ($\hat{\gamma}^{LV}$), surface energy ($\hat{\gamma}^{SV}$) and crystal-melt interfacial energy ($\hat{\gamma}^{SL}$) of metals. <i>Current Applied Physics</i> , 2012, 12, 31-35.	2.4	24
5	Surface tension of pure liquid bismuth and its temperature dependence: Theoretical calculations. <i>Materials Letters</i> , 2011, 65, 760-762.	2.6	20
6	Theoretical Calculations of the Surface Tension of Liquid Transition Metals. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2011, 42, 5-8.	2.1	19
7	Model calculation of the surface tension of liquid Ga-Bi alloy. <i>Applied Surface Science</i> , 2011, 257, 3577-3580.	6.1	13
8	Surface tension of molten metal halide salts. <i>Journal of Molecular Liquids</i> , 2014, 200, 120-121.	4.9	13
9	Theoretical temperature-dependence surface tension of pure liquid gold. <i>Materials Letters</i> , 2011, 65, 2124-2126.	2.6	10
10	The treatment of chromium tanning wastewater using natural marl. <i>Chemical Speciation and Bioavailability</i> , 2009, 21, 185-191.	2.0	9
11	Prediction of various thermodynamic and thermophysical properties of alkali halides. <i>Journal of Non-Crystalline Solids</i> , 2014, 402, 49-52.	3.1	9
12	Theoretical Estimation of Temperature-Dependent Surface Tension of Liquid Antimony, Boron, and Sulfur. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2011, 42, 437-440.	2.1	7
13	Correlations for calculating the surface tension and enthalpies of sublimation of alkali halides. <i>Physica B: Condensed Matter</i> , 2014, 441, 54-57.	2.7	7
14	Novel estimated surface tension data of actinide halide salts in the molten state. <i>Journal of Nuclear Materials</i> , 2014, 448, 230-232.	2.7	7
15	Crystal Structure of [Bis(L-Alaninato)Diaqua]Nickel(II) Dihydrate. <i>Research Letters in Inorganic Chemistry</i> , 2009, 2009, 1-5.	0.1	5
16	Theoretical calculations of the surface tension of Ag(1-x)-Cu(x) liquid alloys. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5736-5739.	5.5	5
17	Surface Tension of Liquid Alkali, Alkaline, and Main Group Metals: Theoretical Treatment and Relationship Investigations. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 2680-2684.	2.2	5
18	Surface tension of pure liquid lanthanide and early actinide metals. <i>Physics and Chemistry of Liquids</i> , 2012, 50, 336-345.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Molten Alkali Halides: Straightforward Prediction of Surface Tension. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2347-2350.	2.2	5
20	The cohesive energy density and the isothermal compressibility: Their relationships with the surface tension. Physica B: Condensed Matter, 2014, 446, 28-31.	2.7	5
21	Molten rare earth tri-halides: Prediction of surface tension. Journal of Molecular Liquids, 2014, 200, 229-231.	4.9	4
22	Studies on crystals of d-, l-, and dl-alaninato nickel(II) complexes. Transition Metal Chemistry, 2009, 34, 787-790.	1.4	3
23	Theoretical Study of a Thermophysical Property of Molten Semiconductors. Journal of Metallurgy, 2011, 2011, 1-5.	1.1	3
24	Temperature dependence surface tension of molten lanthanum, praseodymium, samarium and erbium trichlorides. Fluid Phase Equilibria, 2015, 389, 1-3.	2.5	2
25	Correlations of the surface tension and some thermodynamic and transport properties of the alkali metal halides at their melting temperatures based on their corresponding molar volumes. Fluid Phase Equilibria, 2015, 385, 134-138.	2.5	2
26	Synthesis and X-ray Crystallographic Study of $K[Ni(NH_2CH_3CHCOO)_3] \cdot 3H_2O$. Journal of Chemical Research, 2009, 2009, 98-100.	1.3	1
27	Mechanical stability of two immiscible liquid drops resting on a solid substrate. Physics and Chemistry of Liquids, 2011, 49, 430-434.	1.2	1
28	Direct prediction of molten alkali halides surface tension. Main Group Chemistry, 2014, 13, 219-222.	0.8	0