

Yongqiang Xue

List of Publications by Year in descending order

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papers

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37
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-Dependent Crystal Transition Thermodynamics of Nano-VO ₂ (M). Journal of Physical Chemistry C, 2018, 122, 8621-8627.	3.1	39
2	Size-Dependent Thermodynamics and Kinetics of Adsorption on Nanoparticles: A Theoretical and Experimental Study. Langmuir, 2018, 34, 3197-3206.	3.5	37
3	Size- and shape-dependent melting enthalpy and entropy of nanoparticles. Journal of Materials Science, 2017, 52, 1911-1918.	3.7	34
4	Theoretical and Experimental Researches of Size-Dependent Surface Thermodynamic Properties of Nanovaterite. Journal of Physical Chemistry C, 2016, 120, 21652-21658.	3.1	26
5	Comparison of different models of melting transformation of nanoparticles. Journal of Materials Science, 2016, 51, 4462-4469.	3.7	26
6	Size-dependent surface thermodynamic properties of silver oxide nanoparticles studied by electrochemical method. Journal of Materials Science, 2017, 52, 1039-1046.	3.7	18
7	Effect of calcination atmospheres on the catalytic performance of nano-CeO ₂ in direct synthesis of DMC from methanol and CO ₂ . Korean Journal of Chemical Engineering, 2017, 34, 29-36.	2.7	18
8	Research of Size- and Shape-Dependent Thermodynamic Properties of the Actual Melting Process of Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 15713-15722.	3.1	18
9	Size-Dependent Surface Basicity of Nano-CeO ₂ and Desorption Kinetics of CO ₂ on Its Surface. Industrial & Engineering Chemistry Research, 2018, 57, 10977-10984.	3.7	14
10	Density Functional Theoretical Study of Polynitrogen Compounds N ₅ ⁺ Y ⁺ (Y=B(CF ₃) ₄ , BF ₄), Tj ETQq0400 rgBT 13	4.0	13
11	Template-free Synthesis and Crystal Transition of Ring-like VO ₂ (M). Crystal Growth and Design, 2018, 18, 4220-4225.	3.0	13
12	Size dependence of surface thermodynamic properties of nanoparticles and its determination method by reaction rate constant. Physica B: Condensed Matter, 2016, 495, 98-105.	2.7	12
13	Controlled synthesis of t-Se nanomaterials with various morphologies <i>via</i> a precursor conversion method. CrystEngComm, 2018, 20, 1220-1231.	2.6	12
14	Chemical coloring on stainless steel by ultrasonic irradiation. Ultrasonics Sonochemistry, 2018, 40, 558-566.	8.2	12
15	Universal Size Dependence of Integral Enthalpy and Entropy for Solid-Solid Phase Transitions of Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 24831-24836.	3.1	11
16	Size-dependent melting thermodynamic properties of selenium nanowires in theory and experiment. CrystEngComm, 2019, 21, 430-438.	2.6	11
17	Influence of Size on Melting Thermodynamics of Nanoparticles: Mechanism, Factors, Range, and Degree. Particle and Particle Systems Characterization, 2018, 35, 1800156.	2.3	10
18	Determination Method and Size Dependence of Interfacial Tension between Nanoparticles and a Solution. Langmuir, 2018, 34, 8792-8797.	3.5	9

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19	Determination of Interfacial Tension of Nanomaterials and the Effect of Particle Size on Interfacial Tension. <i>Langmuir</i> , 2021, 37, 14463-14471.	3.5	8
20	Theoretical and experimental study: the size dependence of decomposition thermodynamics of nanomaterials. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	7
21	Effect of Size on the Structural Transition and Magnetic Properties of Nano-CuFe ₂ O ₄ . <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 13760-13765.	3.7	7
22	Size-dependent surface thermodynamic properties of nano-copper and its determination method by equilibrium constant. <i>Journal of Materials Science</i> , 2018, 53, 2171-2180.	3.7	7
23	Research into the rationality and the application scopes of different melting models of nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	6
24	Preparation of nano-t-Se with different particle sizes and particle size dependence of the melting thermodynamics. <i>CrystEngComm</i> , 2019, 21, 5650-5657.	2.6	6
25	Size-Dependent Thermodynamics of Structural Transition and Magnetic Properties of Nano-Fe ₂ O ₃ . <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8418-8425.	3.7	6
26	Size dependence of the thermal decomposition kinetics of nano- CaC ₂ O ₄ : A theoretical and experimental study. <i>European Physical Journal Plus</i> , 2015, 130, 1.	2.6	5
27	Size-dependent dissolution kinetics of CaCO ₃ nanoparticles in theory and experiment. <i>Journal of Materials Science</i> , 2017, 52, 4412-4420.	3.7	5
28	Preparation of Nano-Bismuth with Different Particle Sizes and the Size Dependent Electrochemical Thermodynamics. <i>Electroanalysis</i> , 2019, 31, 1316-1323.	2.9	4
29	Size-Dependent Thermodynamic Properties of Two Types of Phase Transitions of Nano-Bi ₂ O ₃ and Their Differences. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19135-19141.	3.1	3
30	Theoretical and experimental study on the size- and morphology-dependent electrochemical thermodynamics of nano-silver electrode. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 557-569.	2.5	3
31	An investigation of the general regularity of size dependence of reaction kinetics of nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	2
32	Size- and Morphology-Dependent Kinetics and Thermodynamics of Adsorptions of Basic Fuchsin on Nano-TiO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21392-21402.	3.7	2
33	Influences of nano-effect on the thermodynamic properties of solid-liquid interfaces: theoretical and experimental researches. <i>CrystEngComm</i> , 2021, 23, 6541-6550.	2.6	2
34	Size- and shape-dependent melting enthalpy and entropy of nanoparticles. , 2017, 52, 1911.		1
35	Shape- and size-dependent desorption kinetics and surface acidity of nano-SnO ₂ . <i>New Journal of Chemistry</i> , 2022, 46, 1608-1620.	2.8	1
36	Size-dependent structural transition thermodynamics of octahedral nanoparticles: Theoretical and experimental study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123653.	4.7	0

#	ARTICLE	IF	CITATIONS
37	Influence of the Diameter of Sections on Electrochemical Thermodynamics of Nanorod Electrodes: Theoretical and Experimental Research Studies. Journal of Physical Chemistry C, 2021, 125, 16784-16791.	3.1	0