Yongqiang Xue

List of Publications by Year in descending order

37 papers	408 citations	840776 11 h-index	794594 19 g-index
37 all docs	37 docs citations	37 times ranked	436 citing authors

#	Article	IF	Citations
1	Shape- and size-dependent desorption kinetics and surface acidity of nano-SnO₂. New Journal of Chemistry, 2022, 46, 1608-1620.	2.8	1
2	Influences of nano-effect on the thermodynamic properties of solidâ€“liquid interfaces: theoretical and experimental researches. CrystEngComm, 2021, 23, 6541-6550.	2.6	2
3	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
4	Determination of Interfacial Tension of Nanomaterials and the Effect of Particle Size on Interfacial Tension. Langmuir, 2021, 37, 14463-14471.	3.5	8
5	Theoretical and experimental study on the size- and morphology-dependent electrochemical thermodynamics of nano-silver electrode. Journal of Solid State Electrochemistry, 2020, 24, 557-569.	2.5	3
6	Size-dependent structural transition thermodynamics of octahedral nanoparticles: Theoretical and experimental study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 579, 123653.	4.7	0
7	Size-Dependent Thermodynamic Properties of Two Types of Phase Transitions of Nano-Bi₂O₃ and Their Differences. Journal of Physical Chemistry C, 2019, 123, 19135-19141.	3.1	3
8	Size-dependent melting thermodynamic properties of selenium nanowires in theory and experiment. CrystEngComm, 2019, 21, 430-438.	2.6	11
9	Size- and Morphology-Dependent Kinetics and Thermodynamics of Adsorptions of Basic Fuchsin on Nano-TiO₂. Industrial & Engineering Chemistry Research, 2019, 58, 21392-21402.	3.7	2
10	Preparation of nano-t-Se with different particle sizes and particle size dependence of the melting thermodynamics. CrystEngComm, 2019, 21, 5650-5657.	2.6	6
11	Size-Dependent Thermodynamics of Structural Transition and Magnetic Properties of Nano-Fe₂O₃. Industrial & Engineering Chemistry Research, 2019, 58, 8418-8425.	3.7	6
12	Preparation of Nanoâ€bismuth with Different Particle Sizes and the Size Dependent Electrochemical Thermodynamics. Electroanalysis, 2019, 31, 1316-1323.	2.9	4
13	Size-Dependent Thermodynamics and Kinetics of Adsorption on Nanoparticles: A Theoretical and Experimental Study. Langmuir, 2018, 34, 3197-3206.	3.5	37
14	Controlled synthesis of t-Se nanomaterials with various morphologies via a precursor conversion method. CrystEngComm, 2018, 20, 1220-1231.	2.6	12
15	Size-Dependent Crystal Transition Thermodynamics of Nano-VO₂ (M). Journal of Physical Chemistry C, 2018, 122, 8621-8627.	3.1	39
16	Size-dependent surface thermodynamic properties of nano-copper and its determination method by equilibrium constant. Journal of Materials Science, 2018, 53, 2171-2180.	3.7	7
17	Chemical coloring on stainless steel by ultrasonic irradiation. Ultrasonics Sonochemistry, 2018, 40, 558-566.	8.2	12
18	Influence of Size on Melting Thermodynamics of Nanoparticles: Mechanism, Factors, Range, and Degree. Particle and Particle Systems Characterization, 2018, 35, 1800156.	2.3	10

#	Article	IF	Citations
19	Template-free Synthesis and Crystal Transition of Ring-like VO₂ (M). Crystal Growth and Design, 2018, 18, 4220-4225.	3.0	13
20	Determination Method and Size Dependence of Interfacial Tension between Nanoparticles and a Solution. Langmuir, 2018, 34, 8792-8797.	3.5	9
21	Size-Dependent Surface Basicity of Nano-CeO₂ and Desorption Kinetics of CO₂ on Its Surface. Industrial & Engineering Chemistry Research, 2018, 57, 10977-10984.	3.7	14
22	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
23	Size-dependent dissolution kinetics of CaCO3 nanoparticles in theory and experiment. Journal of Materials Science, 2017, 52, 4412-4420.	3.7	5
24	Effect of Size on the Structural Transition and Magnetic Properties of Nano-CuFe₂O₄. Industrial & Engineering Chemistry Research, 2017, 56, 13760-13765.	3.7	7
25	Universal Size Dependence of Integral Enthalpy and Entropy for Solidâ€“Solid Phase Transitions of Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 24831-24836.	3.1	11
26	Research into the rationality and the application scopes of different melting models of nanoparticles. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	6
27	Size-dependent surface thermodynamic properties of silver oxide nanoparticles studied by electrochemical method. Journal of Materials Science, 2017, 52, 1039-1046.	3.7	18
28	Effect of calcination atmospheres on the catalytic performance of nano-CeO2 in direct synthesis of DMC from methanol and CO2. Korean Journal of Chemical Engineering, 2017, 34, 29-36.	2.7	18
29	Size- and shape-dependent melting enthalpy and entropy of nanoparticles. Journal of Materials Science, 2017, 52, 1911-1918.	3.7	34
30	Size- and shape-dependent melting enthalpy and entropy of nanoparticles. , 2017, 52, 1911.		1
31	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
32	Theoretical and Experimental Researches of Size-Dependent Surface Thermodynamic Properties of Nanovaterite. Journal of Physical Chemistry C, 2016, 120, 21652-21658.	3.1	26
33	Comparison of different models of melting transformation of nanoparticles. Journal of Materials Science, 2016, 51, 4462-4469.	3.7	26
34	An investigation of the general regularity of size dependence of reaction kinetics of nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	2
35	Theoretical and experimental study: the size dependence of decomposition thermodynamics of nanomaterials. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	7
36	Size dependence of the thermal decomposition kinetics of nano- CaC2O4: A theoretical and experimental study. European Physical Journal Plus, 2015, 130, 1.	2.6	5

#	Article	IF	Citations
37	Density Functional Theoretical Study of Polynitrogen Compounds N₅⁺Y^{â^'} (Y=B(CF₃)₄, BF₄,) Tj ETQq1 1 0.784314 rgBT		