

Qiang Guo

List of Publications by Year in descending order

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38
papers

933
citations

567281

15
h-index

454955

30
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39
all docs

39
docs citations

39
times ranked

1146
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Active and Recyclable Sn-MWW Zeolite Catalyst for Sugar Conversion to Methyl Lactate and Lactic Acid. <i>ChemSusChem</i> , 2013, 6, 1352-1356.	6.8	140
2	A Thorough Investigation of the Active Titanium Species in TS-1 Zeolite by In Situ UV Resonance Raman Spectroscopy. <i>Chemistry - A European Journal</i> , 2012, 18, 13854-13860.	3.3	137
3	Organotemplate-free synthesis of high-silica ferrierite zeolite induced by CDO-structure zeolite building units. <i>Journal of Materials Chemistry</i> , 2011, 21, 9494.	6.7	76
4	Nonadiabatic dissociation dynamics in H ₂ O: Competition between rotationally and nonrotationally mediated pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19148-19153.	7.1	68
5	Finding the "Missing Components" during the Synthesis of TS-1 Zeolite by UV Resonance Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2844-2848.	3.1	56
6	A machine learning approach for electrical capacitance tomography measurement of gas-solid fluidized beds. <i>AIChE Journal</i> , 2019, 65, e16583.	3.6	45
7	Investigation of gas-solid bubbling fluidized beds using ECT with a modified Tikhonov regularization technique. <i>AIChE Journal</i> , 2018, 64, 29-41.	3.6	36
8	Interleukin-15 in obesity and metabolic dysfunction: current understanding and future perspectives. <i>Obesity Reviews</i> , 2017, 18, 1147-1158.	6.5	33
9	Effect of the Nature and Location of Copper Species on the Catalytic Nitric Oxide Selective Catalytic Reduction Performance of the Copper/SSZ-13 Zeolite. <i>ChemCatChem</i> , 2014, 6, 634-639.	3.7	30
10	Organotemplate-free and one-pot fabrication of nano-rod assembled plate-like micro-sized mordenite crystals. <i>Journal of Materials Chemistry</i> , 2012, 22, 6564.	6.7	28
11	Water-Induced Structural Dynamic Process in Molecular Sieves under Mild Hydrothermal Conditions: Ship-in-a-Bottle Strategy for Acidity Identification and Catalyst Modification. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20672-20681.	13.8	26
12	A Novel Image Reconstruction Strategy for ECT: Combining Two Algorithms With a Graph Cut Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 804-814.	4.7	25
13	Formation of Cr(VI) compounds during the thermal decomposition of amorphous chromium hydroxide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 741-745.	3.6	23
14	High-temperature electrical capacitance tomography for gas-solid fluidised beds. <i>Measurement Science and Technology</i> , 2018, 29, 104002.	2.6	22
15	Dynamically structured bubbling in vibrated gas-fluidized granular materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
16	Origin of the redshift of the luminescence peak in InGaN light-emitting diodes exposed to Co-60 γ -ray irradiation. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	15
17	Experimental Verification of Solid-like and Fluid-like States in the Homogeneous Fluidization Regime of Geldart A Particles. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 2670-2686.	3.7	15
18	Comparison of CFD-DEM and TFM simulations of single bubble injection in 3D gas-fluidized beds with MRI results. <i>Chemical Engineering Science</i> , 2021, 243, 116738.	3.8	14

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19	Comparison of Two-Fluid Model Simulations of Freely Bubbling Three-Dimensional Gas-Fluidized Beds with Magnetic Resonance Imaging Results. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 7429-7442.	3.7	12
20	A two fluid modeling study of bubble collapse due to bubble interaction in a fluidized bed. <i>Chemical Engineering Science</i> , 2021, 232, 116377.	3.8	11
21	Effect of Electrode Length of an Electrical Capacitance Tomography Sensor on Gas-Solid Fluidized Bed Measurements. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21827-21841.	3.7	10
22	Particle tracking velocimetry of porous sphere settling under gravity: Preparation of the model porous particle and measurement of drag coefficients. <i>Powder Technology</i> , 2020, 360, 241-252.	4.2	10
23	Corrosion inhibition of mild steel by methyl violet and bromide ion in sulfuric acid solution. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 594-602.	1.5	9
24	Structured bubbling in layered gas-fluidized beds subject to vibration: A CFD-DEM study. <i>AIChE Journal</i> , 2022, 68, .	3.6	7
25	Drag correlations for flow past monodisperse arrays of spheres and porous spheres based on symbolic regression: Effects of permeability. <i>Chemical Engineering Journal</i> , 2022, 445, 136653.	12.7	7
26	Synergistic Corrosion Inhibition of Cold Rolled Steel by Methyl Violet and Chloride Ions in Sulphuric Acid Solution. <i>Asian Journal of Chemistry</i> , 2013, 25, 10305-10310.	0.3	6
27	Interfacial Tandem Catalysis for Ethylene Carbonylation and C-C Coupling to 3-Pentanone on Rh/Ceria. <i>ACS Catalysis</i> , 2022, 12, 3286-3290.	11.2	6
28	Crystallization behaviors of bayerite from sodium chromate alkali solutions. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 3356-3365.	4.2	5
29	A CFD-DEM study of the solid-like and fluid-like states in the homogeneous fluidization regime of Geldart A particles. <i>AIChE Journal</i> , 2022, 68, e17420.	3.6	5
30	A comparative investigation of flow structures in three-dimensional supercritical water and gas-solid fluidized bed via two-fluid model simulations. <i>Journal of Supercritical Fluids</i> , 2022, 181, 105515.	3.2	5
31	A Rayleigh-Bénard convection instability analog in vibrated gas-fluidized granular particles. <i>Soft Matter</i> , 2022, 18, 3323-3327.	2.7	5
32	Numerical simulation of the distribution of invading fines in packed proppant. <i>Journal of Petroleum Science and Engineering</i> , 2021, 206, 108977.	4.2	4
33	Contact-Based Method to Evaluate Mixing in Multicomponent Experiments and Simulations. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 16126-16142.	3.7	4
34	Multi-Fluid Model Simulations of Gravitational Instabilities in Fluidized Binary Granular Materials. <i>AIChE Journal</i> , 0, , .	3.6	2
35	Synthesis and characterization of Co ₃ O ₄ prepared from atmospheric pressure acid leach liquors of nickel laterite ores. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 20-27.	4.9	1
36	Purification of specularite by centrifugation instead of flotation to produce iron oxide red pigment. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 56-65.	4.9	1

#	ARTICLE	IF	CITATIONS
37	Study Two-Stages Relief Supplies Distribution Problem Based on Characteristics of Disaster Situation Information. , 2014, , .		0
38	Investigation of displacement damage to vertical-cavity surface-emitting red lasers due to 1 MeV electron radiation. AIP Advances, 2020, 10, .	1.3	0