

Shuang Liu

List of Publications by Year in descending order

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26
papers

1,509
citations

687220

13
h-index

552653

26
g-index

26
all docs

26
docs citations

26
times ranked

2556
citing authors

#	ARTICLE	IF	CITATIONS
1	On the redox property of Ag ₁₆ Au ₁₃ clusters: One-way conversion from anionic [Au ₁₃ Ag ₁₆ L ₂₄] ³⁻ to charge neutral [Au ₁₃ Ag ₁₆ L ₂₄]. <i>Journal of Chemical Physics</i> , 2021, 154, 164308.	1.2	6
2	Butterfly-Like Tetranuclear Copper(I) Clusters for Efficient Alkyne Homocoupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 392-397.	1.0	10
3	Atomically precise nanoclusters with reversible isomeric transformation for rotary nanomotors. <i>Nature Communications</i> , 2020, 11, 6019.	5.8	60
4	Tuning Gate-Opening of a Flexible Metal-Organic Framework for Ternary Gas Sieving Separation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22756-22762.	7.2	173
5	Tuning Gate-Opening of a Flexible Metal-Organic Framework for Ternary Gas Sieving Separation. <i>Angewandte Chemie</i> , 2020, 132, 22944-22950.	1.6	33
6	Pore engineering of metal-organic frameworks for ethylene purification. <i>Dalton Transactions</i> , 2020, 49, 17093-17105.	1.6	7
7	Pyridine as a trigger in transformation chemistry from Au ₁₄₄ (SR) ₆₀ to aromatic thiolate-ligated gold clusters. <i>Nanoscale</i> , 2020, 12, 4982-4987.	2.8	13
8	Heat capacities and thermodynamic properties of a Zn-based zeolitic imidazolate framework. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3191-3196.	2.0	3
9	Interplay of Tri- and Bidentate Linkers to Evolve Micropore Environment in a Family of Quasi-3D and 3D Porous Coordination Polymers for Highly Selective CO ₂ Capture. <i>Inorganic Chemistry</i> , 2019, 58, 16241-16249.	1.9	7
10	Determination of heat capacities and thermodynamic properties of Al ₄ (OH) ₂ (OCH ₃) ₄ (H ₂ N-BDC) ₃ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3233-3239.	2.0	1
11	Fabrication of palladium-copper nanoparticles with controllable size and chemical composition. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 201-206.	5.0	7
12	The Applications of Metal-Organic Frameworks in Electrochemical Sensors. <i>ChemElectroChem</i> , 2018, 5, 6-19.	1.7	301
13	Improved CO ₂ capture and separation performances of a Cr-based metal-organic framework induced by post-synthesis modification of amine groups. <i>Polyhedron</i> , 2018, 156, 195-199.	1.0	6
14	Heat capacities and thermodynamic properties of Cr-MIL-101. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 509-514.	2.0	14
15	Bio-inspired Construction of Advanced Fuel Cell Cathode with Pt Anchored in Ordered Hybrid Polymer Matrix. <i>Scientific Reports</i> , 2015, 5, 16100.	1.6	48
16	Improved dehydrogenation/rehydrogenation performance of LiBH ₄ by doping mesoporous Fe ₂ O ₃ or/and TiF ₃ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1407-1414.	2.0	8
17	Heat capacities and thermodynamic properties of a 3D Cu(II) supramolecular complex. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1565-1571.	2.0	1
18	Heat capacities and thermodynamic properties of Co(3,5-PDC)(H ₂ O). <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 1579-1585.	2.0	8

#	ARTICLE	IF	CITATIONS
19	Syntheses, structures and chemical sensing properties of three complexes with mixed ligands of carboxylate and bipyridine. Dalton Transactions, 2013, 42, 1346-1351.	1.6	4
20	Nanosized Cu-MOFs induced by graphene oxide and enhanced gas storage capacity. Energy and Environmental Science, 2013, 6, 818.	15.6	248
21	Adjustable structure transition and improved gases (H ₂ , CO ₂) adsorption property of metal-organic framework MIL-53 by encapsulation of BNH _x . Dalton Transactions, 2012, 41, 3119.	1.6	16
22	Mesoporous metal-organic frameworks: design and applications. Energy and Environmental Science, 2012, 5, 7508.	15.6	203
23	Significantly improved dehydrogenation of LiAlH ₄ destabilized by K ₂ TiF ₆ . International Journal of Hydrogen Energy, 2012, 37, 3261-3267.	3.8	57
24	Thermodynamics study of hydrogen storage materials. Journal of Chemical Thermodynamics, 2012, 46, 86-93.	1.0	24
25	High and selective CO ₂ uptake, H ₂ storage and methanol sensing on the amine-decorated 12-connected MOF CAU-1. Energy and Environmental Science, 2011, 4, 4522.	15.6	229
26	Rhodium Supported on Silica-Stabilized Alumina for Catalytic Decomposition of N ₂ O. Catalysis Letters, 2011, 141, 128-135.	1.4	22