

Jun Li

List of Publications by Year in descending order

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479
papers

52,832
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2427

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517
all docs

517
docs citations

517
times ranked

31076
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-atom catalysis of CO oxidation using Pt ₁ /FeO _x . <i>Nature Chemistry</i> , 2011, 3, 634-641.	13.6	5,149
2	Single-Atom Catalysts: A New Frontier in Heterogeneous Catalysis. <i>Accounts of Chemical Research</i> , 2013, 46, 1740-1748.	15.6	3,405
3	Heterogeneous single-atom catalysis. <i>Nature Reviews Chemistry</i> , 2018, 2, 65-81.	30.2	2,728
4	Basis Set Exchange: A Community Database for Computational Sciences. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 1045-1052.	5.4	2,685
5	Au ₂₀ : A Tetrahedral Cluster. <i>Science</i> , 2003, 299, 864-867.	12.6	1,091
6	Design of Single-Atom Co ^{N₅} Catalytic Site: A Robust Electrocatalyst for CO ₂ Reduction with Nearly 100% CO Selectivity and Remarkable Stability. <i>Journal of the American Chemical Society</i> , 2018, 140, 4218-4221.	13.7	945
7	An efficient molybdenum disulfide/cobalt diselenide hybrid catalyst for electrochemical hydrogen generation. <i>Nature Communications</i> , 2015, 6, 5982.	12.8	897
8	Remarkable Performance of Ir ₁ /FeO _x Single-Atom Catalyst in Water Gas Shift Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 15314-15317.	13.7	811
9	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. <i>Nature Nanotechnology</i> , 2018, 13, 856-861.	31.5	741
10	Observation of an all-boron fullerene. <i>Nature Chemistry</i> , 2014, 6, 727-731.	13.6	724
11	Hydrocarbon analogues of boron clusters " planarity, aromaticity and antiaromaticity. <i>Nature Materials</i> , 2003, 2, 827-833.	27.5	650
12	Planar hexagonal B ₃₆ as a potential basis for extended single-atom layer boron sheets. <i>Nature Communications</i> , 2014, 5, 3113.	12.8	645
13	Copper atom-pair catalyst anchored on alloy nanowires for selective and efficient electrochemical reduction of CO ₂ . <i>Nature Chemistry</i> , 2019, 11, 222-228.	13.6	571
14	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2018, 30, e1800588.	21.0	511
15	Multi-site electrocatalysts for hydrogen evolution in neutral media by destabilization of water molecules. <i>Nature Energy</i> , 2019, 4, 107-114.	39.5	470
16	Non defect-stabilized thermally stable single-atom catalyst. <i>Nature Communications</i> , 2019, 10, 234.	12.8	452
17	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020, 12, 764-772.	13.6	452
18	Ultrahigh-Loading of Ir Single Atoms on NiO Matrix to Dramatically Enhance Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 7425-7433.	13.7	430

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19	Ultrathin rhodium nanosheets. <i>Nature Communications</i> , 2014, 5, 3093.	12.8	428
20	Tuning defects in oxides at room temperature by lithium reduction. <i>Nature Communications</i> , 2018, 9, 1302.	12.8	428
21	Ultrastable single-atom gold catalysts with strong covalent metal-support interaction (CMSI). <i>Nano Research</i> , 2015, 8, 2913-2924.	10.4	422
22	Heterogeneous Fe ₃ single-cluster catalyst for ammonia synthesis via an associative mechanism. <i>Nature Communications</i> , 2018, 9, 1610.	12.8	409
23	Cooperative CO ₂ -to-ethanol conversion via enriched intermediates at molecule-metal catalyst interfaces. <i>Nature Catalysis</i> , 2020, 3, 75-82.	34.4	390
24	Highly Efficient Catalysis of Preferential Oxidation of CO in H ₂ -Rich Stream by Gold Single-Atom Catalysts. <i>ACS Catalysis</i> , 2015, 5, 6249-6254.	11.2	380
25	Dynamic formation of single-atom catalytic active sites on ceria-supported gold nanoparticles. <i>Nature Communications</i> , 2015, 6, 6511.	12.8	370
26	Efficient electrically powered CO ₂ -to-ethanol via suppression of deoxygenation. <i>Nature Energy</i> , 2020, 5, 478-486.	39.5	363
27	Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. <i>Journal of the American Chemical Society</i> , 2017, 139, 7294-7301.	13.7	354
28	Theoretical Understandings of Graphene-based Metal Single-Atom Catalysts: Stability and Catalytic Performance. <i>Chemical Reviews</i> , 2020, 120, 12315-12341.	47.7	354
29	Insight into methanol synthesis from CO ₂ hydrogenation on Cu(111): Complex reaction network and the effects of H ₂ O. <i>Journal of Catalysis</i> , 2011, 281, 199-211.	6.2	347
30	High-Performance Rh ₂ P Electrocatalyst for Efficient Water Splitting. <i>Journal of the American Chemical Society</i> , 2017, 139, 5494-5502.	13.7	343
31	Breaking Long-Range Order in Iridium Oxide by Alkali Ion for Efficient Water Oxidation. <i>Journal of the American Chemical Society</i> , 2019, 141, 3014-3023.	13.7	337
32	PdZn Intermetallic Nanostructure with Pd-Zn Ensembles for Highly Active and Chemoselective Semi-Hydrogenation of Acetylene. <i>ACS Catalysis</i> , 2016, 6, 1054-1061.	11.2	334
33	Toward Rational Design of Oxide-Supported Single-Atom Catalysts: Atomic Dispersion of Gold on Ceria. <i>Journal of the American Chemical Society</i> , 2017, 139, 6190-6199.	13.7	333
34	Regulating the coordination structure of single-atom Fe-NxCy catalytic sites for benzene oxidation. <i>Nature Communications</i> , 2019, 10, 4290.	12.8	326
35	Experimental Observation and Confirmation of Icosahedral W@Au ₁₂ and Mo@Au ₁₂ Molecules. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4786-4789.	13.8	325
36	Constructing NiCo/Fe ₃ O ₄ Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 15336-15341.	13.7	310

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37	The Role of Reducible Oxide-Metal Cluster Charge Transfer in Catalytic Processes: New Insights on the Catalytic Mechanism of CO Oxidation on Au/TiO ₂ from ab Initio Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2013, 135, 10673-10683.	13.7	308
38	The B ₃₅ Cluster with a Double-Hexagonal Vacancy: A New and More Flexible Structural Motif for Borophene. <i>Journal of the American Chemical Society</i> , 2014, 136, 12257-12260.	13.7	298
39	Unraveling the coordination structure-performance relationship in Pt ₁ /Fe ₂ O ₃ single-atom catalyst. <i>Nature Communications</i> , 2019, 10, 4500.	12.8	279
40	Scalable two-step annealing method for preparing ultra-high-density single-atom catalyst libraries. <i>Nature Nanotechnology</i> , 2022, 17, 174-181.	31.5	279
41	Synthesis of Thermally Stable and Highly Active Bimetallic Au-Ag Nanoparticles on Inert Supports. <i>Chemistry of Materials</i> , 2009, 21, 410-418.	6.7	262
42	Synergetic Integration of Cu _{1.94} S-ZnCd ₁ S Heteronanorods for Enhanced Visible-Light-Driven Photocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2016, 138, 4286-4289.	13.7	257
43	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. <i>Nature Communications</i> , 2019, 10, 4875.	12.8	253
44	A Durable Nickel Single-Atom Catalyst for Hydrogenation Reactions and Cellulose Valorization under Harsh Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7071-7075.	13.8	243
45	Catalysis on singly dispersed bimetallic sites. <i>Nature Communications</i> , 2015, 6, 7938.	12.8	235
46	Surface Single-Cluster Catalyst for N ₂ -to-NH ₃ Thermal Conversion. <i>Journal of the American Chemical Society</i> , 2018, 140, 46-49.	13.7	233
47	Identification of the Electronic and Structural Dynamics of Catalytic Centers in Single-Fe-Atom Material. <i>Chem</i> , 2020, 6, 3440-3454.	11.7	231
48	Experimental and Theoretical Evidence of an Axially Chiral Borospherene. <i>ACS Nano</i> , 2015, 9, 754-760.	14.6	228
49	Noble Gas-Actinide Compounds: Complexation of the CUO Molecule by Ar, Kr, and Xe Atoms in Noble Gas Matrices. <i>Science</i> , 2002, 295, 2242-2245.	12.6	224
50	Coordination engineering of iridium nanocluster bifunctional electrocatalyst for highly efficient and pH-universal overall water splitting. <i>Nature Communications</i> , 2020, 11, 4246.	12.8	221
51	Design of Efficient Catalysts with Double Transition Metal Atoms on C ₂ N Layer. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1750-1755.	4.6	196
52	Theoretical understanding of the stability of single-atom catalysts. <i>National Science Review</i> , 2018, 5, 638-641.	9.5	194
53	Rh single atoms on TiO ₂ dynamically respond to reaction conditions by adapting their site. <i>Nature Communications</i> , 2019, 10, 4488.	12.8	191
54	Selective photoelectrochemical oxidation of glycerol to high value-added dihydroxyacetone. <i>Nature Communications</i> , 2019, 10, 1779.	12.8	185

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55	Size-dependent dynamic structures of supported gold nanoparticles in CO oxidation reaction condition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7700-7705.	7.1	183
56	Isolated Ni Atoms Dispersed on Ru Nanosheets: High-Performance Electrocatalysts toward Hydrogen Oxidation Reaction. Nano Letters, 2020, 20, 3442-3448.	9.1	172
57	Identification of an iridium-containing compound with a formal oxidation state of IX. Nature, 2014, 514, 475-477.	27.8	171
58	From planar boron clusters to borophenes and metalloborophenes. Nature Reviews Chemistry, 2017, 1, .	30.2	169
59	Probing the structures and bonding of size-selected boron and doped-boron clusters. Chemical Society Reviews, 2019, 48, 3550-3591.	38.1	169
60	Shape Control of CdSe Nanocrystals with Zinc Blende Structure. Journal of the American Chemical Society, 2009, 131, 16423-16429.	13.7	168
61	A Supramolecular Radical Dimer: High Efficiency NIR Photothermal Conversion and Therapy. Angewandte Chemie - International Edition, 2019, 58, 15526-15531.	13.8	168
62	Atomically Dispersed Ruthenium Species Inside Metal-Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. Angewandte Chemie - International Edition, 2019, 58, 4271-4275.	13.8	162
63	Single Iridium Atom Doped Ni ₂ P Catalyst for Optimal Oxygen Evolution. Journal of the American Chemical Society, 2021, 143, 13605-13615.	13.7	162
64	Evidence of Significant Covalent Bonding in Au(CN) ₂ ⁻ . Journal of the American Chemical Society, 2009, 131, 16368-16370.	13.7	161
65	CO Oxidation on Au/TiO ₂ : Condition-Dependent Active Sites and Mechanistic Pathways. Journal of the American Chemical Society, 2016, 138, 10467-10476.	13.7	159
66	Sn ₁₂₂ -Stannaspherene. Journal of the American Chemical Society, 2006, 128, 8390-8391.	13.7	157
67	Maximizing the Number of Interfacial Sites in Single-Atom Catalysts for the Highly Selective, Solvent-Free Oxidation of Primary Alcohols. Angewandte Chemie - International Edition, 2018, 57, 7795-7799.	13.8	151
68	Constructing High-Loading Single-Atom/Cluster Catalysts via an Electrochemical Potential Window Strategy. Journal of the American Chemical Society, 2020, 142, 3375-3383.	13.7	147
69	Theoretical and Experimental Investigations on Single-Atom Catalysis: Ir ₁ /FeO _x for CO Oxidation. Journal of Physical Chemistry C, 2014, 118, 21945-21951.	3.1	145
70	[B ₃₀] ⁻ : A Quasiplanar Chiral Boron Cluster. Angewandte Chemie - International Edition, 2014, 53, 5540-5545.	13.8	144
71	A highly efficient Fenton-like catalyst based on isolated diatomic Fe-Co anchored on N-doped porous carbon. Chemical Engineering Journal, 2021, 404, 126376.	12.7	143
72	Observation and characterization of the smallest borospherene, B ₂₈ ⁻ and B ₂₈ . Journal of Chemical Physics, 2016, 144, 064307.	3.0	141

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73	Theoretical Investigations of Pt ₁ @CeO ₂ Single-Atom Catalyst for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11281-11289.	3.1	138
74	Icosahedral gold cage clusters: M@Au ₁₂ ⁺ (M=V, Nb, and Ta). <i>Journal of Chemical Physics</i> , 2004, 121, 8369.	3.0	137
75	MOF-Confined Sub-2 nm Atomically Ordered Intermetallic PdZn Nanoparticles as High-Performance Catalysts for Selective Hydrogenation of Acetylene. <i>Advanced Materials</i> , 2018, 30, e1801878.	21.0	133
76	Experimental and Theoretical Investigation of the Electronic and Geometrical Structures of the Au ₃₂ Cluster. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7119-7123.	13.8	129
77	Bimetallic Au-Pd Alloy Catalysts for N ₂ O Decomposition: Effects of Surface Structures on Catalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6222-6232.	3.1	128
78	Reaction of Laser-Ablated Uranium Atoms with CO: Infrared Spectra of the CUO, CUO ⁻ , OUCCO, (1-2-C2)UO ₂ , and U(CO) _x (x = 1-6) Molecules in Solid Neon. <i>Journal of the American Chemical Society</i> , 1999, 121, 9712-9721.	13.7	125
79	Noble Gas-Actinide Complexes of the CUO Molecule with Multiple Ar, Kr, and Xe Atoms in Noble-Gas Matrices. <i>Journal of the American Chemical Society</i> , 2003, 125, 3126-3139.	13.7	124
80	Conversion of PtNi alloy from disordered to ordered for enhanced activity and durability in methanol-tolerant oxygen reduction reactions. <i>Nano Research</i> , 2015, 8, 2777-2788.	10.4	124
81	Pb ₁₂₂ -Plumbaspherene. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10169-10172.	2.5	122
82	Theoretical Inspection of M ₁ /PMA Single-Atom Electrocatalyst: Ultra-High Performance for Water Splitting (HER/OER) and Oxygen Reduction Reactions (OER). <i>ACS Catalysis</i> , 2021, 11, 8929-8941.	11.2	121
83	On the Nature of Support Effects of Metal Dioxides MO ₂ (M = Ti, Zr, Hf, Ce, Th) in Single-Atom Gold Catalysts: Importance of Quantum Primogenic Effect. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17514-17526.	3.1	120
84	A Water-Promoted Mechanism of Alcohol Oxidation on a Au(111) Surface: Understanding the Catalytic Behavior of Bulk Gold. <i>ACS Catalysis</i> , 2013, 3, 1693-1699.	11.2	118
85	Recent advances in computational modeling and simulations on the An(III)/Ln(III) separation process. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1406-1417.	18.8	117
86	Pd ₂ @Sn ₁₈ ⁴⁺ : Fusion of Two Endohedral Stannaspherenes. <i>Journal of the American Chemical Society</i> , 2007, 129, 9560-9561.	13.7	116
87	Highly active enzyme-metal nanohybrids synthesized in protein-polymer conjugates. <i>Nature Catalysis</i> , 2019, 2, 718-725.	34.4	115
88	Electronic Structure Differences in ZrO ₂ vs HfO ₂ . <i>Journal of Physical Chemistry A</i> , 2005, 109, 11521-11525.	2.5	114
89	Observation of a metal-centered B ₂ -Ta@B ₁₈ ⁺ tubular molecular rotor and a perfect Ta@B ₂₀ ⁺ boron drum with the record coordination number of twenty. <i>Chemical Communications</i> , 2017, 53, 1587-1590.	4.1	114
90	Atomically-precise dopant-controlled single cluster catalysis for electrochemical nitrogen reduction. <i>Nature Communications</i> , 2020, 11, 4389.	12.8	110

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91	High Uptake of ReO_4^- and CO_2 Conversion by a Radiation-Resistant Thorium-Nickel $[\text{Th}_{48}\text{Ni}_6]$ Nanocage-Based Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6022-6027.	13.8	109
92	Formation and Characterization of the Boron Dicarbonyl Complex $[\text{B}(\text{CO})_2]^+$. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11078-11083.	13.8	107
93	Manganese-centered tubular boron cluster MnB_{16} : A new class of transition-metal molecules. <i>Journal of Chemical Physics</i> , 2016, 144, 154310.	3.0	107
94	Toward the Solution Synthesis of the Tetrahedral Au_{20} Cluster. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12259-12263.	2.6	106
95	Endohedral Stannaspherenes M@Sn_{12} : A Rich Class of Stable Molecular Cage Clusters. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 742-745.	13.8	106
96	Au_{34} : A Fluxional Core-Shell Cluster. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8228-8232.	3.1	103
97	Unique CO Chemisorption Properties of Gold Hexamer: $\text{Au}_6(\text{CO})_n$ ($n = 0-3$). <i>Journal of the American Chemical Society</i> , 2005, 127, 12098-12106.	13.7	102
98	Dual Metal Active Sites in an Ir_1/FeO_x Single-Atom Catalyst: A Redox Mechanism for the Water-Gas Shift Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12868-12875.	13.8	102
99	High-Valent Nickel Promoted by Atomically Embedded Copper for Efficient Water Oxidation. <i>ACS Catalysis</i> , 2020, 10, 9725-9734.	11.2	100
100	Introduction: Heterogeneous Single-Atom Catalysis. <i>Chemical Reviews</i> , 2020, 120, 11699-11702.	47.7	99
101	Theoretical investigations of the catalytic role of water in propene epoxidation on gold nanoclusters: A hydroperoxyl-mediated pathway. <i>Nano Research</i> , 2011, 4, 131-142.	10.4	98
102	Competition between drum and quasi-planar structures in RhB_{18} : motifs for metallo-boronanotubes and metallo-borophenes. <i>Chemical Science</i> , 2016, 7, 7020-7027.	7.4	97
103	TGMin: A global-minimum structure search program based on a constrained basin-hopping algorithm. <i>Nano Research</i> , 2017, 10, 3407-3420.	10.4	97
104	Trivalent Actinide and Lanthanide Separations by Tetradentate Nitrogen Ligands: A Quantum Chemistry Study. <i>Inorganic Chemistry</i> , 2011, 50, 9230-9237.	4.0	96
105	Remarkable active-site dependent H_2O promoting effect in CO oxidation. <i>Nature Communications</i> , 2019, 10, 3824.	12.8	96
106	A multicentre-bonded $[\text{Zn}]_8$ cluster with cubic aromaticity. <i>Nature Communications</i> , 2015, 6, 6331.	12.8	94
107	Electronic Structure of Cycloheptatrienyl Sandwich Compounds of Actinides: $\text{An}(\text{C}_7\text{H}_7)_2$ ($\text{An} = \text{Th}, \text{Pa}$). <i>J. Phys. Chem. C</i> , 2009, 113, 10784-10793.	13.7	93
108	Thermodynamic Studies and Hydride Transfer Reactions from a Rhodium Complex to BX_3 Compounds. <i>Journal of the American Chemical Society</i> , 2009, 131, 14454-14465.	13.7	93

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109	The Planar CoB ₁₈ Cluster as a Motif for Metallo-Borophenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7358-7363.	13.8	90
110	Synergy of the catalytic activation on Ni and the CeO ₂ /TiO ₂ /Ce ₂ Ti ₂ O ₇ stoichiometric redox cycle for dramatically enhanced solar fuel production. <i>Energy and Environmental Science</i> , 2019, 12, 767-779.	30.8	90
111	Density functional theory investigations on the catalytic mechanisms of hydrazine decompositions on Ir(111). <i>Catalysis Today</i> , 2011, 165, 80-88.	4.4	87
112	Significant Interactions between Uranium and Noble-Gas Atoms: Coordination of the UO ₂ ⁺ Cation by Ne, Ar, Kr, and Xe Atoms. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2554-2557.	13.8	86
113	DFT+U Study on the Localized Electronic States and Their Potential Role During H ₂ O Dissociation and CO Oxidation Processes on CeO ₂ (111) Surface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23082-23089.	3.1	85
114	On the Structure and Chemical Bonding of Tri-Tungsten Oxide Clusters W ₃ O _n - and W ₃ O _n (n = 7-10): W ₃ O ₈ As A Potential Molecular Model for O-Deficient Defect Sites in Tungsten Oxides. <i>Journal of Physical Chemistry A</i> , 2006, 110, 85-92.	2.5	83
115	3D hierarchical heterostructure assembled by NiFe LDH/(NiFe) _x on biomass-derived hollow carbon microtubes as bifunctional electrocatalysts for overall water splitting. <i>Electrochimica Acta</i> , 2020, 348, 136339.	5.2	83
116	Low-lying isomers of the B ₉ boron cluster: The planar molecular wheel versus three-dimensional structures. <i>Journal of Chemical Physics</i> , 2008, 129, 024302.	3.0	82
117	A Ligand-Protected Golden Fullerene: The Dipyritylamido Au ₃₂ ⁸⁺ Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5906-5909.	13.8	82
118	Catalysis on Singly Dispersed Rh Atoms Anchored on an Inert Support. <i>ACS Catalysis</i> , 2018, 8, 110-121.	11.2	81
119	A general strategy for preparing pyrrolic-N ₄ type single-atom catalysts via pre-located isolated atoms. <i>Nature Communications</i> , 2021, 12, 6806.	12.8	81
120	Formation of unprecedented actinidecarbon triple bonds in uranium methylidyne molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18919-18924.	7.1	80
121	Recent progresses of global minimum searches of nanoclusters with a constrained Basin-Hopping algorithm in the TGMIn program. <i>Computational and Theoretical Chemistry</i> , 2017, 1107, 57-65.	2.5	80
122	Theoretical investigations of non-noble metal single-atom catalysis: Ni ₁ /FeO _x for CO oxidation. <i>Catalysis Science and Technology</i> , 2016, 6, 6886-6892.	4.1	79
123	Implanting Mo Atoms into Surface Lattice of Pt ₃ Mn Alloys Enclosed by High-Indexed Facets: Promoting Highly Active Sites for Ethylene Glycol Oxidation. <i>ACS Catalysis</i> , 2019, 9, 442-455.	11.2	79
124	On the Electronic Structure of Molecular UO ₂ in the Presence of Ar Atoms: Evidence for Direct U ⁺ Ar Bonding. <i>Journal of the American Chemical Society</i> , 2004, 126, 3424-3425.	13.7	76
125	Shape control of CoO and LiCoO ₂ nanocrystals. <i>Nano Research</i> , 2010, 3, 1-7.	10.4	76
126	Synergistic effect between undercoordinated platinum atoms and defective nickel hydroxide on enhanced hydrogen evolution reaction in alkaline solution. <i>Nano Energy</i> , 2018, 48, 590-599.	16.0	76

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127	Single-Atom Au ^I N ₃ Site for Acetylene Hydrochlorination Reaction. ACS Catalysis, 2020, 10, 1865-1870.	11.2	76
128	A systematic theoretical study on FeOx-supported single-atom catalysts: M1/FeOx for CO oxidation. Nano Research, 2018, 11, 1599-1611.	10.4	75
129	3-Fold-Interpenetrated Uranium-Organic Frameworks: New Strategy for Rationally Constructing Three-Dimensional Uranyl Organic Materials. Inorganic Chemistry, 2012, 51, 3103-3107.	4.0	74
130	Observation of highly stable and symmetric lanthanide octa-boron inverse sandwich complexes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6972-E6977.	7.1	72
131	Few-Atom Pt Ensembles Enable Efficient Catalytic Cyclohexane Dehydrogenation for Hydrogen Production. Journal of the American Chemical Society, 2022, 144, 3535-3542.	13.7	72
132	Symmetrical clusters of carbon and boron. Chemical Physics Letters, 1993, 201, 465-469.	2.6	70
133	Mechanistic Insights into Propene Epoxidation with O ₂ /H ₂ O Mixture on Au ₇ /Al ₂ O ₃ : A Hydroperoxyl Pathway from ab Initio Molecular Dynamics Simulations. ACS Catalysis, 2016, 6, 2525-2535.	11.2	70
134	A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. Angewandte Chemie - International Edition, 2016, 55, 8933-8937.	13.8	69
135	Identification of activity trends for CO oxidation on supported transition-metal single-atom catalysts. Catalysis Science and Technology, 2017, 7, 5860-5871.	4.1	69
136	Structural basis of ubiquitin modification by the Legionella effector SdeA. Nature, 2018, 557, 674-678.	27.8	69
137	Uranyl-Glycine-Water Complexes in Solution: Comprehensive Computational Modeling of Coordination Geometries, Stabilization Energies, and Luminescence Properties. Inorganic Chemistry, 2011, 50, 2082-2093.	4.0	68
138	New mechanistic pathways for CO oxidation catalyzed by single-atom catalysts: Supported and doped Au1/ThO ₂ . Nano Research, 2016, 9, 3868-3880.	10.4	68
139	Electronic and Structural Evolution and Chemical Bonding in Ditungsten Oxide Clusters: W ₂ O _n and W ₂ O _n (n = 1-6). Journal of Physical Chemistry A, 2005, 109, 6019-6030.	2.5	67
140	The OH radical-H ₂ O molecular interaction potential. Journal of Chemical Physics, 2006, 124, 224318.	3.0	67
141	Experimental and Theoretical Characterization of Superoxide Complexes [W ₂ O ₆ (O ₂ ⁻)] and [W ₃ O ₉ (O ₂ ⁻)]: Models for the Interaction of O ₂ with Reduced W Sites on Tungsten Oxide Surfaces. Angewandte Chemie - International Edition, 2006, 45, 657-660.	13.8	66
142	Pentavalent Lanthanide Compounds: Formation and Characterization of Praseodymium(V) Oxides. Angewandte Chemie - International Edition, 2016, 55, 6896-6900.	13.8	66
143	Remarkable Dinitrogen Activation and Cleavage by the Gd Dimer: From Dinitrogen Complexes to Ring and Cage Nitrides. Angewandte Chemie - International Edition, 2007, 46, 2911-2914.	13.8	65
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