Jun Li

List of Publications by Year in descending order

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479	52,832	2832	1964
papers	citations	97 h-index	213 g-index

517	517	517	35247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CO oxidation on MXene (Mo2CS2) supported single-atom catalyst: A termolecular Eley-Rideal mechanism. Chinese Chemical Letters, 2023, 34, 107412.	4.8	13
2	<scp>In situ</scp> encapsulated subnanometric <scp>CoO</scp> clusters within silicaliteâ€1 zeolite for efficient propane dehydrogenation. AICHE Journal, 2022, 68, e17451.	1.8	29
3	Scalable two-step annealing method for preparing ultra-high-density single-atom catalyst libraries. Nature Nanotechnology, 2022, 17, 174-181.	15.6	279
4	Size sensitivity of supported Ru catalysts for ammonia synthesis: From nanoparticles to subnanometric clusters and atomic clusters. CheM, 2022, 8, 749-768.	5.8	59
5	A polyoxometalate cluster-based single-atom catalyst for NH₃ synthesis via an enzymatic mechanism. Journal of Materials Chemistry A, 2022, 10, 6165-6177.	5.2	23
6	Ladder Oxygenation of Group VIII Metal Clusters and the Formation of Metalloxocubes M₁₃O₈⁺. Journal of Physical Chemistry Letters, 2022, 13, 733-739.	2.1	5
7	Theoretical investigation on hydrogenation of dinitrogen triggered by singly dispersed bimetallic sites. Journal of Materials Chemistry A, 2022, 10, 6146-6152.	5.2	10
8	Uncovering mechanisms of RT-LAMP colorimetric SARS-CoV-2 detection to improve assay reliability. Analytical Methods, 2022, 14, 378-382.	1.3	6
9	Infrared spectroscopic signature of the structural diversity of the water heptamer. Cell Reports Physical Science, 2022, 3, 100748.	2.8	9
10	Few-Atom Pt Ensembles Enable Efficient Catalytic Cyclohexane Dehydrogenation for Hydrogen Production. Journal of the American Chemical Society, 2022, 144, 3535-3542.	6.6	72
11	AuB₈^{â^’}: an Auâ€“borozene complex. Chemical Communications, 2022, 58, 3134-3137.	2.2	6
12	Integrating Dissociative and Associative Routes for Efficient Ammonia Synthesis over a TiCN-Promoted Ru-Based Catalyst. ACS Catalysis, 2022, 12, 2651-2660.	5.5	18
13	Modification of Palladium Nanocrystals with Single Atom Platinum via an Electrochemical Self-Catalysis Strategy for Efficient Formic Acid Electrooxidation. ACS Applied Materials & Interfaces, 2022, 14, 8001-8009.	4.0	10
14	Recent progress and perspectives on single-atom catalysis. Journal of Materials Chemistry A, 2022, 10, 5670-5672.	5.2	15
15	Ultra-Efficient Americium/Lanthanide Separation through Oxidation State Control. Journal of the American Chemical Society, 2022, 144, 6383-6389.	6.6	33
16	Doping Ruthenium into Metal Matrix for Promoted pHâ€Universal Hydrogen Evolution. Advanced Science, 2022, 9, e2200010.	5.6	29
17	Quantum chemical studies of the electronic structures of anti-tumor agents: AuIIIL+ (LÂ=Âporphine,) Tj ETQq1 1 0.784314 rgBT /Over	1.1	1
18	Leaching of palladium atoms from small cluster models during Heck reactions â€“ An experimental and theoretical study. Catalysis Communications, 2022, 165, 106441.	1.6	4

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19	Theoretical studies of MXene-supported single-atom catalysts: Os1/Ti2CS2 for low-temperature CO oxidation. Science China Materials, 2022, 65, 1303-1312.	3.5	10
20	On the highest oxidation states of the actinoids in <scp> AnO ₄ </scp> molecules (AnÂ=ÂAc) Tj ETQq0 0 0 rgBT /Overlock	1.5	0
21	An ultrastable Ti-based metallocalixarene nanocage cluster with photocatalytic amine oxidation activity. Chemical Communications, 2022, 58, 6028-6031.	2.2	12
22	Exploring Stability of Transition-Metal Single Atoms on Cu₂O Surfaces. Journal of Physical Chemistry C, 2022, 126, 8065-8078.	1.5	5
23	Non-noble metal single-atom catalyst with MXene support: Fe1/Ti2CO2 for CO oxidation. Chinese Journal of Catalysis, 2022, 43, 1830-1841.	6.9	16
24	Ruthenium/titanium oxide interface promoted electrochemical nitrogen reduction reaction. Chem Catalysis, 2022, 2, 1764-1774.	2.9	6
25	The Key Role of Competition between Orbital and Electrostatic Interactions in the Adsorption on Transition Metal Singleâ€Atom Catalysts Anchored by Nâ€doped Graphene. ChemCatChem, 2022, 14, .	1.8	12
26	Rational design of copper-based single-atom alloy catalysts for electrochemical CO2 reduction. Nano Research, 2022, 15, 7116-7123.	5.8	43
27	Identifying the Real Chemistry of the Synthesis and Reversible Transformation of AuCd Bimetallic Clusters. Journal of the American Chemical Society, 2022, 144, 14248-14257.	6.6	23
28	Breaking the scaling relations for efficient N2-to-NH3 conversion by a bowl active site design: Insight from LaRuSi and isostructural electrides. Chinese Journal of Catalysis, 2022, 43, 2183-2192.	6.9	9
29	Biomass-Derived Fe₂N@NCNTs from Bioaccumulation as an Efficient Electrocatalyst for Oxygen Reduction and Znâ€“Air Battery. ACS Sustainable Chemistry and Engineering, 2022, 10, 9105-9112.	3.2	12
30	A highly efficient Fenton-like catalyst based on isolated diatomic Fe-Co anchored on N-doped porous carbon. Chemical Engineering Journal, 2021, 404, 126376.	6.6	143
31	Distinct electronic structures and bonding interactions in inverse-sandwich samarium and ytterbium biphenyl complexes. Chemical Science, 2021, 12, 227-238.	3.7	12
32	Phosphorene Supported Singleâ€Atom Catalysts for CO Oxidation: A Computational Study. ChemPhysChem, 2021, 22, 378-385.	1.0	12
33	Co13O8â€”metalloxocubes: a new class of perovskite-like neutral clusters with cubic aromaticity. National Science Review, 2021, 8, nwaa201.	4.6	21
34	Non-noble metal single-atom catalyst of Co1/MXene (Mo2CS2) for CO oxidation. Science China Materials, 2021, 64, 651-663.	3.5	44
35	Highly efficient ammonia synthesis at low temperature over a Ruâ€“Co catalyst with dual atomically dispersed active centers. Chemical Science, 2021, 12, 7125-7137.	3.7	35
36	Coordination Sphere of Lanthanide Aqua Ions Resolved with Ab Initio Molecular Dynamics and X-ray Absorption Spectroscopy. Inorganic Chemistry, 2021, 60, 3117-3130.	1.9	33

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37	Formation and Characterization of BeFe(CO)₄^{â”} Anion with Berylliumâ”Iron Bonding. Angewandte Chemie - International Edition, 2021, 60, 9334-9338.	7.2	16
38	Formation and Characterization of BeFe(CO) 4 â” Anion with Berylliumâ”Iron Bonding. Angewandte Chemie, 2021, 133, 9420-9424.	1.6	3
39	Expanded Inverse-Sandwich Complexes of Lanthanum Borides: La₂B₁₀^{â€“} and La₂B₁₁^{â€“}. Journal of Physical Chemistry A, 2021, 125, 2622-2630.	1.1	15
40	Understanding the Electronic Structure and Stability of <scp>B_nX_n⁰</scp>^{/2â€“} (n =â€‰4, 6; X) Tj ETQq0 0 0 rgBT /Overlock 10	2.6	3
41	Double Ïƒ-Aromaticity in a Planar Zinc-Doped Gold Cluster: Au₉Zn^{â€“}. Journal of Physical Chemistry A, 2021, 125, 4606-4613.	1.1	14
42	Norm-Conserving Pseudopotentials and Basis Sets to Explore Actinide Chemistry in Complex Environments. Journal of Chemical Theory and Computation, 2021, 17, 3360-3371.	2.3	19
43	Metal Oxo-Fluoride Molecules OnMF2 (M = Mn and Fe; n = 1â€“4) and O2MnF: Matrix Infrared Spectra and Quantum Chemistry. Inorganic Chemistry, 2021, 60, 7687-7696.	1.9	3
44	Screening silica-confined single-atom catalysts for nonoxidative conversion of methane. Journal of Chemical Physics, 2021, 154, 174706.	1.2	6
45	Triazine COF-supported single-atom catalyst (Pd1/trzn-COF) for CO oxidation. Science China Materials, 2021, 64, 1939-1951.	3.5	28
46	Unveiling the In Situ Generation of a Monovalent Fe(I) Site in the Single-Fe-Atom Catalyst for Electrochemical CO₂ Reduction. ACS Catalysis, 2021, 11, 7292-7301.	5.5	51
47	Orientational Alignment of Oxygen Vacancies: Electric-Field-Inducing Conductive Channels in TiO₂ Film to Boost Photocatalytic Conversion of CO₂ into CO. Nano Letters, 2021, 21, 5060-5067.	4.5	19
48	Electronic Structure and Spectroscopic Properties of Group-7 Tri-Oxo-Halides MO₃X (M =) Tj ETQq0 0 0 rgBT /Overlock 10	1.9	3
49	Underpotential-deposition synthesis and in-line electrochemical analysis of single-atom copper electrocatalysts. Applied Catalysis B: Environmental, 2021, 289, 120028.	10.8	38
50	Rod-Shaped Silver Supercluster Unveiling Strong Electron Coupling between Substituent Icosahedral Units. Journal of the American Chemical Society, 2021, 143, 12261-12267.	6.6	46
51	Theoretical Inspection of M₁/PMA Single-Atom Electrocatalyst: Ultra-High Performance for Water Splitting (HER/OER) and Oxygen Reduction Reactions (OER). ACS Catalysis, 2021, 11, 8929-8941.	5.5	121
52	Single Iridium Atom Doped Ni₂P Catalyst for Optimal Oxygen Evolution. Journal of the American Chemical Society, 2021, 143, 13605-13615.	6.6	162
53	Using general computational chemistry strategy to unravel the reactivity of emerging pollutants: An example of sulfonamide chlorination. Water Research, 2021, 202, 117391.	5.3	13
54	Heterogeneous Two-Atom Single-Cluster Catalysts for the Nitrogen Electroreduction Reaction. Journal of Physical Chemistry C, 2021, 125, 19821-19830.	1.5	27

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55	Anchoring single platinum atoms onto nickel nanoparticles affords highly selective catalysts for lignin conversion. Cell Reports Physical Science, 2021, 2, 100567.	2.8	13
56	Diketopyrrolopyrrole-based supramolecular nano-leveler for the enhancement of conformal copper electrodeposition. Applied Surface Science, 2021, 569, 150982.	3.1	6
57	Tandem catalyzing the hydrodeoxygenation of 5-hydroxymethylfurfural over a Ni₃Fe intermetallic supported Pt single-atom site catalyst. Chemical Science, 2021, 12, 4139-4146.	3.7	33
58	Adsorption energy as a promising single-parameter descriptor for single atom catalysis in the oxygen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 6442-6450.	5.2	18
59	Theoretical Insights into Dual-Metal-Site Catalysts for the Nonoxidative Coupling of Methane. ACS Catalysis, 2021, 11, 13149-13159.	5.5	16
60	Monovalent lanthanide(I) in borozene complexes. Nature Communications, 2021, 12, 6467.	5.8	18
61	Singly Dispersed Bimetallic Sites as Stable and Efficient Single-Cluster Catalysts for Activating N₂ and CO₂. Journal of Physical Chemistry C, 2021, 125, 27192-27198.	1.5	8
62	A general strategy for preparing pyrrolic-N4 type single-atom catalysts via pre-located isolated atoms. Nature Communications, 2021, 12, 6806.	5.8	81
63	Fundamental insights into heterogeneous single-atom catalysis. Journal of Chemical Physics, 2021, 155, 210401.	1.2	6
64	Efficient Goldâ€“Palladium Nanoparticles Stabilized by Poly(amic acid) Salt: Synthesis and Application in Catalytic Oxidation of Amines to Imines. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1384-1392.	1.9	4
65	Tuning radical interactions in trisradical tricationic complexes by varying host-cavity sizes. Chemical Science, 2020, 11, 107-112.	3.7	14
66	On the mechanism of H2 activation over single-atom catalyst: An understanding of Pt1/WO in the hydrogenolysis reaction. Chinese Journal of Catalysis, 2020, 41, 524-532.	6.9	50
67	Multiple Bonding Between Groupâ€…3 Metals and Fe(CO)₃^{â"}. Angewandte Chemie - International Edition, 2020, 59, 2344-2348.	7.2	17
68	A milestone in single-atom catalysis for direct formic acid fuel cell. National Science Review, 2020, 7, 1762-1762.	4.6	3
69	Carbon Monoxide Gas Induced 4H-to-fcc Phase Transformation of Gold As Revealed by In-Situ Transmission Electron Microscopy. Inorganic Chemistry, 2020, 59, 14415-14423.	1.9	4
70	Understanding the Uniqueness of 2p Elements in Periodic Tables. Chemistry - A European Journal, 2020, 26, 15558-15564.	1.7	31
71	Identification of the Electronic and Structural Dynamics of Catalytic Centers in Single-Fe-Atom Material. CheM, 2020, 6, 3440-3454.	5.8	231
72	From â€œSâ€•to â€œOâ€: experimental and theoretical insights into the atmospheric degradation mechanism of dithiophosphinic acids. RSC Advances, 2020, 10, 40035-40042.	1.7	1

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73	Introduction: Heterogeneous Single-Atom Catalysis. Chemical Reviews, 2020, 120, 11699-11702.	23.0	99
74	Wet carbonate-promoted radical arylation of vinyl pinacolboronates with diaryliodonium salts yields substituted olefins. Communications Chemistry, 2020, 3, .	2.0	8
75	Revisiting the Intriguing Electronic Features of the BeOBeC Carbyne and Some Isomers: A Quantumâ€Chemical Assessment. Angewandte Chemie - International Edition, 2020, 59, 17261-17265.	7.2	2
76	High-Valent Nickel Promoted by Atomically Embedded Copper for Efficient Water Oxidation. ACS Catalysis, 2020, 10, 9725-9734.	5.5	100
77	Selective hydrogenation of acetylene on graphene-supported non-noble metal single-atom catalysts. Science China Materials, 2020, 63, 1741-1749.	3.5	28
78	Insights into the electronic origin of enhancing the catalytic activity of Co3O4 for oxygen evolution by single atom ruthenium. Nano Today, 2020, 34, 100955.	6.2	29
79	Theoretical Understandings of Graphene-based Metal Single-Atom Catalysts: Stability and Catalytic Performance. Chemical Reviews, 2020, 120, 12315-12341.	23.0	354
80	Infrared spectroscopic study of hydrogen bonding topologies in the smallest ice cube. Nature Communications, 2020, 11, 5449.	5.8	35
81	Exploring the difference of bonding strength between silver(<scp>i</scp>) and chalcogenides in block copolymer systems. Polymer Chemistry, 2020, 11, 7087-7093.	1.9	23
82	Atomically-precise dopant-controlled single cluster catalysis for electrochemical nitrogen reduction. Nature Communications, 2020, 11, 4389.	5.8	110
83	Coordination engineering of iridium nanocluster bifunctional electrocatalyst for highly efficient and pH-universal overall water splitting. Nature Communications, 2020, 11, 4246.	5.8	221
84	Chromium Single-Atom Catalyst with Graphyne Support: A Theoretical Study of NO Oxidation and Reduction. ACS Catalysis, 2020, 10, 11951-11961.	5.5	49
85	Cooperative Catalysis by Multiple Active Centers in Nonoxidative Conversion of Methane. Journal of Physical Chemistry C, 2020, 124, 13656-13663.	1.5	18
86	Efficient electrically powered CO2-to-ethanol via suppression of deoxygenation. Nature Energy, 2020, 5, 478-486.	19.8	363
87	Non-noble metal single-atom catalysts with phosphotungstic acid (PTA) support: A theoretical study of ethylene epoxidation. Science China Materials, 2020, 63, 1003-1014.	3.5	41
88	2-Butene Tetraanion Bridged Dinuclear Samarium(III) Complexes via Sm(II)-Mediated Reduction of Electron-Rich Olefins. Journal of the American Chemical Society, 2020, 142, 10705-10714.	6.6	25
89	Recent progresses in the research of single-atom catalysts. Science China Materials, 2020, 63, 889-891.	3.5	52
90	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general hostâ€“guest strategy. Nature Chemistry, 2020, 12, 764-772.	6.6	452

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91	Infrared spectroscopy of neutral water clusters at finite temperature: Evidence for a noncyclic pentamer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15423-15428.	3.3	55
92	A Singleâ€Atom Manipulation Approach for Synthesis of Atomically Mixed Nanoalloys as Efficient Catalysts. Angewandte Chemie - International Edition, 2020, 59, 13568-13574.	7.2	23
93	Spherical trihedral metallo-borospherenes. Nature Communications, 2020, 11, 2766.	5.8	43
94	A Singleâ€Atom Manipulation Approach for Synthesis of Atomically Mixed Nanoalloys as Efficient Catalysts. Angewandte Chemie, 2020, 132, 13670-13676.	1.6	8
95	High-loading and thermally stable Pt1/MgAl1.2Fe0.8O4 single-atom catalysts for high-temperature applications. Science China Materials, 2020, 63, 949-958.	3.5	31
96	Surface Modification Strategy for Promoting the Performance of Non-noble Metal Single-Atom Catalysts in Low-Temperature CO Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 19457-19466.	4.0	12
97	Catalytic mechanism and bonding analyses of Au-Pd single atom alloy (SAA): CO oxidation reaction. Science China Materials, 2020, 63, 993-1002.	3.5	23
98	Ultrahigh-Loading of Ir Single Atoms on NiO Matrix to Dramatically Enhance Oxygen Evolution Reaction. Journal of the American Chemical Society, 2020, 142, 7425-7433.	6.6	430
99	Multiple Bonding Between Groupâ€…3 Metals and Fe(CO)₃^{â^'}. Angewandte Chemie, 2020, 132, 2364-2368.	1.6	3
100	Revisiting the Intriguing Electronic Features of the BeOBeC Carbyne and Some Isomers: A Quantumâ€Chemical Assessment. Angewandte Chemie, 2020, 132, 17414-17418.	1.6	0
101	On the theoretical construction of Nb2N2-based superatoms by external field strategies. Chemical Physics Letters, 2020, 754, 137709.	1.2	6
102	Unravelling the Enigma of Nonoxidative Conversion of Methane on Iron Singleâ€Atom Catalysts. Angewandte Chemie, 2020, 132, 18745-18749.	1.6	12
103	Unravelling the Enigma of Nonoxidative Conversion of Methane on Iron Singleâ€Atom Catalysts. Angewandte Chemie - International Edition, 2020, 59, 18586-18590.	7.2	44
104	Formation and Characterization of a BeOBeC Multiple Radical Featuring a Quartet Carbyne Moiety. Angewandte Chemie - International Edition, 2020, 59, 6923-6928.	7.2	13
105	Formation and Characterization of a BeOBeC Multiple Radical Featuring a Quartet Carbyne Moiety. Angewandte Chemie, 2020, 132, 6990-6995.	1.6	9
106	Single-Atom Au^Iâ€“N₃ Site for Acetylene Hydrochlorination Reaction. ACS Catalysis, 2020, 10, 1865-1870.	5.5	76
107	Infrared Spectroscopy of Neutral Water Dimer Based on a Tunable Vacuum Ultraviolet Free Electron Laser. Journal of Physical Chemistry Letters, 2020, 11, 851-855.	2.1	50
108	Constructing High-Loading Single-Atom/Cluster Catalysts via an Electrochemical Potential Window Strategy. Journal of the American Chemical Society, 2020, 142, 3375-3383.	6.6	147

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109	Development of novel highly stable synergistic quaternary photocatalyst for the efficient hydrogen evolution reaction. Applied Surface Science, 2020, 510, 145498.	3.1	16
110	Tuning the Electronic Properties and Performance of Low-Temperature CO Oxidation of the Gold Cluster by Oriented External Electronic Field. Journal of Physical Chemistry Letters, 2020, 11, 1093-1099.	2.1	23
111	Giant Emission Enhancement of Solidâ€State Gold Nanoclusters by Surface Engineering. Angewandte Chemie, 2020, 132, 8347-8353.	1.6	15
112	Gas-assisted transformation of gold from fcc to the metastable 4H phase. Nature Communications, 2020, 11, 552.	5.8	17
113	3D hierarchical heterostructure assembled by NiFe LDH/(NiFe)Sx on biomass-derived hollow carbon microtubes as bifunctional electrocatalysts for overall water splitting. Electrochimica Acta, 2020, 348, 136339.	2.6	83
114	Dual Metal Active Sites in an Ir₁/FeO_xSingleâ€Atom Catalyst: A Redox Mechanism for the Waterâ€Gas Shift Reaction. Angewandte Chemie, 2020, 132, 12968-12975.	1.6	19
115	Excited-State Chemistry: Photocatalytic Methanol Oxidation by Uranyl@Zeolite through Oxygen-Centered Radicals. Inorganic Chemistry, 2020, 59, 6287-6300.	1.9	11
116	Isolated Ni Atoms Dispersed on Ru Nanosheets: High-Performance Electrocatalysts toward Hydrogen Oxidation Reaction. Nano Letters, 2020, 20, 3442-3448.	4.5	172
117	Dual Metal Active Sites in an Ir₁/FeO_xSingleâ€Atom Catalyst: A Redox Mechanism for the Waterâ€Gas Shift Reaction. Angewandte Chemie - International Edition, 2020, 59, 12868-12875.	7.2	102
118	Rational design of an efficient descriptor for single-atom catalysts in the hydrogen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 9202-9208.	5.2	41
119	Understanding Periodic and Non-periodic Chemistry in Periodic Tables. Frontiers in Chemistry, 2020, 8, 813.	1.8	22
120	Giant Emission Enhancement of Solidâ€State Gold Nanoclusters by Surface Engineering. Angewandte Chemie - International Edition, 2020, 59, 8270-8276.	7.2	63
121	Cooperative CO2-to-ethanol conversion via enriched intermediates at moleculeâ€“metal catalyst interfaces. Nature Catalysis, 2020, 3, 75-82.	16.1	390
122	Gas-Phase Mechanism Study of Methane Nonoxidative Conversion by ReaxFF Method. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	3
123	TGMin: An efficient global minimum searching program for free and surfaceâ€supported clusters. Journal of Computational Chemistry, 2019, 40, 1105-1112.	1.5	43
124	An Ultrastable Matryoshka [Hf₁₃] Nanocluster as a Luminescent Sensor for Concentrated Alkali and Acid. Angewandte Chemie - International Edition, 2019, 58, 16610-16616.	7.2	39
125	An Ultrastable Matryoshka [Hf₁₃] Nanocluster as a Luminescent Sensor for Concentrated Alkali and Acid. Angewandte Chemie, 2019, 131, 16763-16769.	1.6	7
126	The Key Role of Support Surface Hydrogenation in the CH₄ to CH₃OH Selective Oxidation by a ZrO₂-Supported Single-Atom Catalyst. ACS Catalysis, 2019, 9, 8903-8909.	5.5	65

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127	Fluorine substitution enabling pseudocapacitive intercalation of sodium ions in niobium oxyfluoride. Journal of Materials Chemistry A, 2019, 7, 20813-20823.	5.2	18
128	Understanding Heterolytic H₂ Cleavage and Water-Assisted Hydrogen Spillover on Fe₃O₄(001)-Supported Single Palladium Atoms. ACS Catalysis, 2019, 9, 7876-7887.	5.5	63
129	Destruction of the Uranyl Moiety in a U(V) â€œCationâ€“Cationâ€• Interaction. Inorganic Chemistry, 2019, 58, 10148-10159.	1.9	14
130	NMR studies of daidzein and puerarin: active anti-oxidants in traditional Chinese medicine. Journal of Molecular Modeling, 2019, 25, 202.	0.8	16
131	Self-Selective Catalyst Synthesis for CO2 Reduction. Joule, 2019, 3, 1927-1936.	11.7	63
132	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. Nature Communications, 2019, 10, 4875.	5.8	253
133	PdAg bimetallic electrocatalyst for highly selective reduction of CO2 with low COOH* formation energy and facile CO desorption. Nano Research, 2019, 12, 2866-2871.	5.8	61
134	A Supramolecular Radical Dimer: Highâ€Efficiency NIRâ€II Photothermal Conversion and Therapy. Angewandte Chemie - International Edition, 2019, 58, 15526-15531.	7.2	168
135	A Supramolecular Radical Dimer: Highâ€Efficiency NIRâ€II Photothermal Conversion and Therapy. Angewandte Chemie, 2019, 131, 15672-15677.	1.6	44
136	Quadruple bonding between iron and boron in the BFe(CO)3â¯ complex. Nature Communications, 2019, 10, 4713.	5.8	34
137	Ag2S decorated nanocubes with enhanced near-infrared photothermal and photodynamic properties for rapid sterilization. Colloids and Interface Science Communications, 2019, 33, 100201.	2.0	44
138	Insight into the elastic anisotropy and thermodynamics properties of Tantalum borides. Vacuum, 2019, 169, 108883.	1.6	19
139	Remarkable active-site dependent H2O promoting effect in CO oxidation. Nature Communications, 2019, 10, 3824.	5.8	96
140	Probing the electronic structure of the CoB16â¯ drum complex: Unusual oxidation state of Coâ¯1. Chinese Journal of Chemical Physics, 2019, 32, 241-247.	0.6	5
141	Regulating the coordination structure of single-atom Fe-NxCy catalytic sites for benzene oxidation. Nature Communications, 2019, 10, 4290.	5.8	326
142	Unravelling a general mechanism of converting ionic B/N complexes into neutral B/N analogues of alkanes: H^{Î´+}â‹¯H^{Î´â€“} dihydrogen bonding assisted dehydrogenation. Chemical Communications, 2019, 55, 12239-12242.	2.2	20
143	Unraveling the coordination structure-performance relationship in Pt1/Fe2O3 single-atom catalyst. Nature Communications, 2019, 10, 4500.	5.8	279
144	Norm-Conserving Pseudopotentials and Basis Sets To Explore Lanthanide Chemistry in Complex Environments. Journal of Chemical Theory and Computation, 2019, 15, 5987-5997.	2.3	46

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145	Copper atom-pair catalyst anchored on alloy nanowires for selective and efficient electrochemical reduction of CO2. Nature Chemistry, 2019, 11, 222-228.	6.6	571
146	Synergy of the catalytic activation on Ni and the CeO₂â€“TiO₂/Ce₂Ti₂O₇ stoichiometric redox cycle for dramatically enhanced solar fuel production. Energy and Environmental Science, 2019, 12, 767-779.	15.6	90
147	Breaking Long-Range Order in Iridium Oxide by Alkali Ion for Efficient Water Oxidation. Journal of the American Chemical Society, 2019, 141, 3014-3023.	6.6	337
148	[La(Î·^x-B_x)La]^{â^'} (x = 7â€“9): a new class of inverse sandwich complexes. Chemical Science, 2019, 10, 2534-2542.	3.7	65
149	Structure and Bonding in [Sb@In 8 Sb 12] 3â^' and [Sb@In 8 Sb 12] 5â^'. Angewandte Chemie, 2019, 131, 8455-8459.	1.6	8
150	Highly active enzymeâ€“metal nanohybrids synthesized in proteinâ€“polymer conjugates. Nature Catalysis, 2019, 2, 718-725.	16.1	115
151	The dfâ€“d Dative Bonding in a Uraniumâ€“Cobalt Heterobimetallic Complex for Efficient Nitrogen Fixation. Inorganic Chemistry, 2019, 58, 7433-7439.	1.9	19
152	ReÂ©B₈^{â€“} and ReÂ©B₉^{â€“}: New Members of the Transition-Metal-Centered Borometallic Molecular Wheel Family. Journal of Physical Chemistry A, 2019, 123, 5317-5324.	1.1	40
153	La₃B₁₄^{â^'}: an inverse triple-decker lanthanide boron cluster. Chemical Communications, 2019, 55, 7864-7867.	2.2	36
154	Probing the structures and bonding of size-selected boron and doped-boron clusters. Chemical Society Reviews, 2019, 48, 3550-3591.	18.7	169
155	Dynamic Frustrated Lewis Pairs on Ceria for Direct Nonoxidative Coupling of Methane. ACS Catalysis, 2019, 9, 5523-5536.	5.5	54
156	Structure and Bonding in [Sb@In₈Sb₁₂]^{3â^'} and [Sb@In₈Sb₁₂]^{5â^'}. Angewandte Chemie - International Edition, 2019, 58, 8367-8371.	7.2	27
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