

# Jun Li

## List of Publications by Citations

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469  
papers

36,987  
citations

85  
h-index

179  
g-index

517  
ext. papers

44,868  
ext. citations

9.9  
avg, IF

7.74  
L-index

#	Paper	IF	Citations
469	Single-atom catalysis of CO oxidation using Pt <sub>1</sub> /FeO <sub>x</sub> . <i>Nature Chemistry</i> , <b>2011</b> , 3, 634-41	17.6	3489
468	Single-atom catalysts: a new frontier in heterogeneous catalysis. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 1740-8	24.3	2437
467	Basis set exchange: a community database for computational sciences. <i>Journal of Chemical Information and Modeling</i> , <b>2007</b> , 47, 1045-52	6.1	2306
466	Heterogeneous single-atom catalysis. <i>Nature Reviews Chemistry</i> , <b>2018</b> , 2, 65-81	34.6	1624
465	Au <sub>20</sub> : a tetrahedral cluster. <i>Science</i> , <b>2003</b> , 299, 864-7	33.3	990
464	An efficient molybdenum disulfide/cobalt diselenide hybrid catalyst for electrochemical hydrogen generation. <i>Nature Communications</i> , <b>2015</b> , 6, 5982	17.4	771
463	Remarkable performance of Ir <sub>1</sub> /FeO(x) single-atom catalyst in water gas shift reaction. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15314-7	16.4	646
462	Design of Single-Atom Co-N Catalytic Site: A Robust Electrocatalyst for CO Reduction with Nearly 100% CO Selectivity and Remarkable Stability. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4218-4221	16.4	634
461	Observation of an all-boron fullerene. <i>Nature Chemistry</i> , <b>2014</b> , 6, 727-31	17.6	590
460	Hydrocarbon analogues of boron clusters--planarity, aromaticity and antiaromaticity. <i>Nature Materials</i> , <b>2003</b> , 2, 827-33	27	567
459	Planar hexagonal B(36) as a potential basis for extended single-atom layer boron sheets. <i>Nature Communications</i> , <b>2014</b> , 5, 3113	17.4	503
458	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 856-861	28.7	471
457	Ultrathin rhodium nanosheets. <i>Nature Communications</i> , <b>2014</b> , 5, 3093	17.4	350
456	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800588	24	338
455	Copper atom-pair catalyst anchored on alloy nanowires for selective and efficient electrochemical reduction of CO. <i>Nature Chemistry</i> , <b>2019</b> , 11, 222-228	17.6	337
454	Ultrastable single-atom gold catalysts with strong covalent metal-support interaction (CMSI). <i>Nano Research</i> , <b>2015</b> , 8, 2913-2924	10	324
453	Experimental observation and confirmation of icosahedral W@Au <sub>12</sub> and Mo@Au <sub>12</sub> molecules. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 4786-9	16.4	299

452	Highly Efficient Catalysis of Preferential Oxidation of CO in H <sub>2</sub> -Rich Stream by Gold Single-Atom Catalysts. <i>ACS Catalysis</i> , <b>2015</b> , 5, 6249-6254	13.1	290
451	Dynamic formation of single-atom catalytic active sites on ceria-supported gold nanoparticles. <i>Nature Communications</i> , <b>2015</b> , 6, 6511	17.4	278
450	Insight into methanol synthesis from CO <sub>2</sub> hydrogenation on Cu(1 1 1): Complex reaction network and the effects of H <sub>2</sub> O. <i>Journal of Catalysis</i> , <b>2011</b> , 281, 199-211	7.3	274
449	Non defect-stabilized thermally stable single-atom catalyst. <i>Nature Communications</i> , <b>2019</b> , 10, 234	17.4	274
448	High-Performance RhP Electrocatalyst for Efficient Water Splitting. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5494-5502	16.4	267
447	Multi-site electrocatalysts for hydrogen evolution in neutral media by destabilization of water molecules. <i>Nature Energy</i> , <b>2019</b> , 4, 107-114	62.3	264
446	The role of reducible oxide-metal cluster charge transfer in catalytic processes: new insights on the catalytic mechanism of CO oxidation on Au/TiO <sub>2</sub> from ab initio molecular dynamics. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10673-83	16.4	251
445	The B35 cluster with a double-hexagonal vacancy: a new and more flexible structural motif for borophene. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12257-60	16.4	250
444	Toward Rational Design of Oxide-Supported Single-Atom Catalysts: Atomic Dispersion of Gold on Ceria. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6190-6199	16.4	240
443	Synthesis of Thermally Stable and Highly Active Bimetallic AuAg Nanoparticles on Inert Supports. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 410-418	9.6	239
442	Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7294-7301	16.4	238
441	PdZn Intermetallic Nanostructure with PdZnPd Ensembles for Highly Active and Chemoselective Semi-Hydrogenation of Acetylene. <i>ACS Catalysis</i> , <b>2016</b> , 6, 1054-1061	13.1	234
440	Heterogeneous Fe single-cluster catalyst for ammonia synthesis via an associative mechanism. <i>Nature Communications</i> , <b>2018</b> , 9, 1610	17.4	233
439	Tuning defects in oxides at room temperature by lithium reduction. <i>Nature Communications</i> , <b>2018</b> , 9, 1302	17.4	225
438	Synergetic Integration of Cu <sub>1.94</sub> S-Zn <sub>x</sub> Cd <sub>1-x</sub> S Heteronanorods for Enhanced Visible-Light-Driven Photocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4286-9	16.4	212
437	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , <b>2020</b> , 12, 764-772	17.6	207
436	Noble gas-actinide compounds: complexation of the CUO molecule by Ar, Kr, and Xe atoms in noble gas matrices. <i>Science</i> , <b>2002</b> , 295, 2242-5	33.3	205
435	Experimental and theoretical evidence of an axially chiral borospherene. <i>ACS Nano</i> , <b>2015</b> , 9, 754-60	16.7	195

434	Constructing NiCo/FeO Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 15336-15341	16.4	193
433	Ultrahigh-Loading of Ir Single Atoms on NiO Matrix to Dramatically Enhance Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7425-7433	16.4	186
432	Catalysis on singly dispersed bimetallic sites. <i>Nature Communications</i> , <b>2015</b> , 6, 7938	17.4	182
431	Regulating the coordination structure of single-atom Fe-NC catalytic sites for benzene oxidation. <i>Nature Communications</i> , <b>2019</b> , 10, 4290	17.4	173
430	Breaking Long-Range Order in Iridium Oxide by Alkali Ion for Efficient Water Oxidation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 3014-3023	16.4	172
429	Cooperative CO <sub>2</sub> -to-ethanol conversion via enriched intermediates at molecule-metal catalyst interfaces. <i>Nature Catalysis</i> , <b>2020</b> , 3, 75-82	36.5	164
428	Efficient electrically powered CO <sub>2</sub> -to-ethanol via suppression of deoxygenation. <i>Nature Energy</i> , <b>2020</b> , 5, 478-486	62.3	163
427	A Durable Nickel Single-Atom Catalyst for Hydrogenation Reactions and Cellulose Valorization under Harsh Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7071-7075	16.4	163
426	Surface Single-Cluster Catalyst for N-to-NH Thermal Conversion. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 46-49	16.4	163
425	Design of Efficient Catalysts with Double Transition Metal Atoms on C <sub>2</sub> N Layer. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 1750-5	6.4	155
424	Shape control of CdSe nanocrystals with zinc blende structure. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16423-9	16.4	144
423	Sn <sub>12</sub> (2-): stannaspherene. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 8390-1	16.4	140
422	Unraveling the coordination structure-performance relationship in Pt/FeO single-atom catalyst. <i>Nature Communications</i> , <b>2019</b> , 10, 4500	17.4	137
421	Identification of an iridium-containing compound with a formal oxidation state of IX. <i>Nature</i> , <b>2014</b> , 514, 475-7	50.4	137
420	Evidence of significant covalent bonding in Au(CN) <sub>2</sub> (-). <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16368-70	16.4	137
419	Icosahedral gold cage clusters: M@Au <sub>12</sub> - (M=V, Nb, and Ta). <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 8369-74	3.74	127
418	Theoretical and Experimental Investigations on Single-Atom Catalysis: Ir <sub>1</sub> /FeO <sub>x</sub> for CO Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 21945-21951	3.8	126
417	Theoretical Understandings of Graphene-based Metal Single-Atom Catalysts: Stability and Catalytic Performance. <i>Chemical Reviews</i> , <b>2020</b> , 120, 12315-12341	68.1	125

416	Experimental and theoretical investigation of the electronic and geometrical structures of the Au <sub>32</sub> cluster. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7119-23	16.4	124
415	CO Oxidation on Au/TiO <sub>2</sub> : Condition-Dependent Active Sites and Mechanistic Pathways. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10467-76	16.4	123
414	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. <i>Nature Communications</i> , <b>2019</b> , 10, 4875	17.4	119
413	Observation and characterization of the smallest borospherene, B <sub>28</sub> (-) and B <sub>28</sub> . <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 064307	3.9	119
412	From planar boron clusters to borophenes and metalloborophenes. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1, 1-10	34.6	118
411	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> , <b>2003</b> , 125, 3126-39	16.4	117
410	[B] <sub>10</sub> : a quasiplanar chiral boron cluster. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5540-5	16.4	116
409	Bimetallic AuPd Alloy Catalysts for N <sub>2</sub> O Decomposition: Effects of Surface Structures on Catalytic Activity. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 6222-6232	3.8	116
408	Theoretical understanding of the stability of single-atom catalysts. <i>National Science Review</i> , <b>2018</b> , 5, 638-641	10.8	111
407	Size-dependent dynamic structures of supported gold nanoparticles in CO oxidation reaction condition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 7700-7705	11.5	109
406	Pd(2)@Sn(18)(4-): fusion of two endohedral stannaspherenes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9560-1	16.4	109
405	Pb <sub>12</sub> 2-: plumbaspherene. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 10169-72	2.8	105
404	Reaction of Laser-Ablated Uranium Atoms with CO: Infrared Spectra of the CUO, CUO-, OUCCO, (U-C <sub>2</sub> )UO <sub>2</sub> , and U(CO) <sub>x</sub> (x = 1-8) Molecules in Solid Neon. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 9712-9721	16.4	103
403	Electronic structure differences in ZrO <sub>2</sub> vs HfO <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 11521-5	2.8	102
402	Conversion of PtNi alloy from disordered to ordered for enhanced activity and durability in methanol-tolerant oxygen reduction reactions. <i>Nano Research</i> , <b>2015</b> , 8, 2777-2788	10	101
401	Theoretical Investigations of Pt <sub>1</sub> @CeO <sub>2</sub> Single-Atom Catalyst for CO Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11281-11289	3.8	100
400	Endohedral stannaspherenes M@Sn <sub>12</sub> (-): a rich class of stable molecular cage clusters. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 742-5	16.4	100
399	Rh single atoms on TiO dynamically respond to reaction conditions by adapting their site. <i>Nature Communications</i> , <b>2019</b> , 10, 4488	17.4	99

- 398 Recent advances in computational modeling and simulations on the An(III)/Ln(III) separation process. *Coordination Chemistry Reviews*, **2012**, 256, 1406-1417 23.2 98
- 397 Au<sub>34</sub>: A Fluxional Core-Shell Cluster. *Journal of Physical Chemistry C*, **2007**, 111, 8228-8232 3.8 98
- 396 A Supramolecular Radical Dimer: High-Efficiency NIR-II Photothermal Conversion and Therapy. *Angewandte Chemie - International Edition*, **2019**, 58, 15526-15531 16.4 97
- 395 Unique CO chemisorption properties of gold hexamer: Au<sub>6</sub>(CO)<sub>n</sub> (n = 0-3). *Journal of the American Chemical Society*, **2005**, 127, 12098-106 16.4 96
- 394 Toward the Solution Synthesis of the Tetrahedral Au<sub>20</sub> Cluster. *Journal of Physical Chemistry B*, **2004**, 108, 12259-12263 3.4 96
- 393 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 16.4 93
- 392 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 16.4 92
- 391 Theoretical investigations of the catalytic role of water in propene epoxidation on gold nanoclusters: A hydroperoxyl-mediated pathway. *Nano Research*, **2011**, 4, 131-142 10 92
- 390 Coordination engineering of iridium nanocluster bifunctional electrocatalyst for highly efficient and pH-universal overall water splitting. *Nature Communications*, **2020**, 11, 4246 17.4 92
- 389 Observation of a metal-centered B-Ta@B tubular molecular rotor and a perfect Ta@B boron drum with the record coordination number of twenty. *Chemical Communications*, **2017**, 53, 1587-1590 5.8 90
- 388 Probing the structures and bonding of size-selected boron and doped-boron clusters. *Chemical Society Reviews*, **2019**, 48, 3550-3591 58.5 90
- 387 On the Nature of Support Effects of Metal Dioxides MO<sub>2</sub> (M = Ti, Zr, Hf, Ce, Th) in Single-Atom Gold Catalysts: Importance of Quantum Primogenic Effect. *Journal of Physical Chemistry C*, **2016**, 120, 17514-17526 17.8 88
- 386 A Water-Promoted Mechanism of Alcohol Oxidation on a Au(111) Surface: Understanding the Catalytic Behavior of Bulk Gold. *ACS Catalysis*, **2013**, 3, 1693-1699 13.1 87
- 385 Formation and characterization of the boron dicarbonyl complex [B(CO)<sub>2</sub>]<sup>-</sup>. *Angewandte Chemie - International Edition*, **2015**, 54, 11078-83 16.4 86
- 384 Electronic Structure of Cycloheptatrienyl Sandwich Compounds of Actinides: An(II-C<sub>7</sub>H<sub>7</sub>)<sub>2</sub> (An = Th, Pa, U, Np, Pu, Am). *Journal of the American Chemical Society*, **1997**, 119, 9021-9032 16.4 84
- 383 Manganese-centered tubular boron cluster - MnB<sub>16</sub> (-): A new class of transition-metal molecules. *Journal of Chemical Physics*, **2016**, 144, 154310 3.9 84
- 382 Selective photoelectrochemical oxidation of glycerol to high value-added dihydroxyacetone. *Nature Communications*, **2019**, 10, 1779 17.4 83
- 381 Thermodynamic studies and hydride transfer reactions from a rhodium complex to BX<sub>3</sub> compounds. *Journal of the American Chemical Society*, **2009**, 131, 14454-65 16.4 82

380	Trivalent actinide and lanthanide separations by tetradentate nitrogen ligands: a quantum chemistry study. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 9230-7	5.1	81
379	Significant interactions between uranium and noble-gas atoms: coordination of the UO <sub>2</sub> <sup>+</sup> cation by Ne, Ar, Kr, and Xe atoms. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 2554-7	16.4	80
378	Isolated Ni Atoms Dispersed on Ru Nanosheets: High-Performance Electrocatalysts toward Hydrogen Oxidation Reaction. <i>Nano Letters</i> , <b>2020</b> , 20, 3442-3448	11.5	80
377	Identification of the Electronic and Structural Dynamics of Catalytic Centers in Single-Fe-Atom Material. <i>CheM</i> , <b>2020</b> , 6, 3440-3454	16.2	79
376	Constructing High-Loading Single-Atom/Cluster Catalysts via an Electrochemical Potential Window Strategy. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 3375-3383	16.4	78
375	Competition between drum and quasi-planar structures in RhB: motifs for metallo-boronanotubes and metallo-borophenes. <i>Chemical Science</i> , <b>2016</b> , 7, 7020-7027	9.4	78
374	High Uptake of ReO and CO Conversion by a Radiation-Resistant Thorium-Nickle [Th Ni ] Nanocage-Based Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6022-6027	16.4	77
373	MOF-Confined Sub-2 nm Atomically Ordered Intermetallic PdZn Nanoparticles as High-Performance Catalysts for Selective Hydrogenation of Acetylene. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801878	24	77
372	On the structure and chemical bonding of tri-tungsten oxide clusters W <sub>3</sub> O <sub>n</sub> <sup>-</sup> and W <sub>3</sub> O <sub>n</sub> (n=7-10): W <sub>3</sub> O <sub>8</sub> as a potential molecular model for O-deficient defect sites in tungsten oxides. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 85-92	2.8	75
371	Density functional theory investigations on the catalytic mechanisms of hydrazine decompositions on Ir(1 1 1). <i>Catalysis Today</i> , <b>2011</b> , 165, 80-88	5.3	74
370	Formation of unprecedented actinide triple bond carbon in uranium methyldiyne molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 18919-24	11.5	74
369	A multicentre-bonded [Zn(I)] <sub>8</sub> cluster with cubic aromaticity. <i>Nature Communications</i> , <b>2015</b> , 6, 6331	17.4	73
368	3-Fold-interpenetrated uranium-organic frameworks: new strategy for rationally constructing three-dimensional uranyl organic materials. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 3103-7	5.1	73
367	On the electronic structure of molecular UO <sub>2</sub> in the presence of Ar atoms: evidence for direct U-Ar bonding. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3424-5	16.4	73
366	DFT+U Study on the Localized Electronic States and Their Potential Role During H <sub>2</sub> O Dissociation and CO Oxidation Processes on CeO <sub>2</sub> (111) Surface. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 23082-23089	3.8	71
365	Low-lying isomers of the B <sub>9</sub> (-) boron cluster: the planar molecular wheel versus three-dimensional structures. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 024302	3.9	71
364	The Planar CoB <sub>18</sub> (-) Cluster as a Motif for Metallo-Borophenes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7358-63	16.4	71
363	TGMin: A global-minimum structure search program based on a constrained basin-hopping algorithm. <i>Nano Research</i> , <b>2017</b> , 10, 3407-3420	10	68

362	Shape control of CoO and LiCoO <sub>2</sub> nanocrystals. <i>Nano Research</i> , <b>2010</b> , 3, 1-7	10	67
361	The OH radical-H <sub>2</sub> O molecular interaction potential. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 224318	3.9	66
360	Experimental and theoretical characterization of superoxide complexes [W <sub>2</sub> O <sub>6</sub> (O <sub>2</sub> <sup>-</sup> )] and [W <sub>3</sub> O <sub>9</sub> (O <sub>2</sub> <sup>-</sup> )]: models for the interaction of O <sub>2</sub> with reduced W Sites on tungsten oxide surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 657-60	16.4	65
359	Electronic and structural evolution and chemical bonding in ditungsten oxide clusters: W <sub>2</sub> O(n)- and W <sub>2</sub> O(n) (n = 1-6). <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 6019-30	2.8	64
358	Symmetrical clusters of carbon and boron. <i>Chemical Physics Letters</i> , <b>1993</b> , 201, 465-469	2.5	64
357	Highly active enzyme-metal nanohybrids synthesized in protein-polymer conjugates. <i>Nature Catalysis</i> , <b>2019</b> , 2, 718-725	36.5	60
356	Synergistic effect between undercoordinated platinum atoms and defective nickel hydroxide on enhanced hydrogen evolution reaction in alkaline solution. <i>Nano Energy</i> , <b>2018</b> , 48, 590-599	17.1	60
355	Theoretical investigations of non-noble metal single-atom catalysis: Ni <sup>1</sup> /FeO <sub>x</sub> for CO oxidation. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 6886-6892	5.5	60
354	New mechanistic pathways for CO oxidation catalyzed by single-atom catalysts: Supported and doped Au <sup>1</sup> /ThO <sub>2</sub> . <i>Nano Research</i> , <b>2016</b> , 9, 3868-3880	10	60
353	A Ligand-Protected Golden Fullerene: The Dipyritylamido Au Nanocluster. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5906-5909	16.4	60
352	Recent progresses of global minimum searches of nanoclusters with a constrained Basin-Hopping algorithm in the TGMIn program. <i>Computational and Theoretical Chemistry</i> , <b>2017</b> , 1107, 57-65	2	59
351	Observation of highly stable and symmetric lanthanide octa-boron inverse sandwich complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E6972-E6977	11.5	59
350	Unusual Selectivity of Gold Catalysts for Hydrogenation of 1,3-Butadiene toward cis-2-Butene: A Joint Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3131-3139	3.8	59
349	Reactions of Laser-Ablated U and Th with CO <sub>2</sub> : Neon Matrix Infrared Spectra and Density Functional Calculations of OUCO, OThCO, and Other Products. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11440-11449	16.4	59
348	Relativistic Density Functional Study of the Geometry, Electronic Transitions, Ionization Energies, and Vibrational Frequencies of Protactinocene, Pa( $\eta$ -C <sub>8</sub> H <sub>8</sub> ) <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 11456-11466	16.4	59
347	Synergy of the catalytic activation on Ni and the CeO <sub>2</sub> -TiO <sub>2</sub> /Ce <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> stoichiometric redox cycle for dramatically enhanced solar fuel production. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 767-779	35.4	57
346	A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8933-7	16.4	57
345	A systematic theoretical study on FeO <sub>x</sub> -supported single-atom catalysts: M <sup>1</sup> /FeO <sub>x</sub> for CO oxidation. <i>Nano Research</i> , <b>2018</b> , 11, 1599-1611	10	56



344	Noble gas-actinide compounds: evidence for the formation of distinct CUO(Ar)(4-n)(Xe)(n) and CUO(Ar)(4-n)(Kr)(n) (n = 1, 2, 3, 4) complexes. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 9016-7	16.4	56
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- 2 Understanding the Electronic Structure and Stability of  $BnXn0/2$  ( $n = 4, 6$ ;  $X = H, F, Cl, Br, I, At, Ts$ ) Clusters *Chinese Journal of Chemistry*, **2021**, 39, 1811-1818 4-9
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