

Yadong Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

433
papers

56,955
citations

124
h-index

230
g-index

464
ext. papers

71,174
ext. citations

12.5
avg, IF

8.33
L-index

#	Paper	IF	Citations
433	Engineering Dual Single-Atom Sites on 2D Ultrathin N-doped Carbon Nanosheets Attaining Ultra-Low Temperature Zn-Air Battery.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	31
432	Engineering the Local Atomic Environments of Indium Single-Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	8
431	Distinct Crystal-Facet-Dependent Behaviors for Single-Atom Palladium-on-Ceria Catalysts: Enhanced Stabilization and Catalytic Properties.. <i>Advanced Materials</i> , 2022 , e2107721	24	4
430	Regulating the tip effect on single-atom and cluster catalysts: forming reversible oxygen species with high efficiency in chlorine evolution reaction.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	9
429	MOF Encapsulating N-Heterocyclic Carbene-Ligated Copper Single-Atom Site Catalyst towards Efficient Methane Electrosynthesis. <i>Angewandte Chemie</i> , 2022 , 134, e202114450	3.6	
428	Surfactant-assisted implantation strategy for facile construction of Pt-based hybrid electrocatalyst to accelerate oxygen reduction reaction. <i>Materials Today Energy</i> , 2022 , 24, 100919	7	1
427	Atom-level interfacial synergy of single-atom site catalysts for electrocatalysis. <i>Journal of Energy Chemistry</i> , 2022 , 65, 103-115	12	10
426	Engineering Lattice Disorder on a Photocatalyst: Photochromic BiOBr Nanosheets Enhance Activation of Aromatic C-H Bonds via Water Oxidation.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	11
425	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. <i>Nature Catalysis</i> , 2022 , 5, 300-310	36.5	14
424	Revealing the Origin of Low-Temperature Activity of Ni-Rh Nanostructures during CO Oxidation Reaction with Operando TEM.. <i>Advanced Science</i> , 2022 , e2105599	13.6	0
423	Thermal Atomization of Platinum Nanoparticles into Single Atoms: An Effective Strategy for Engineering High-Performance Nanozymes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18643-18651	16.4	26
422	Isolated Single-Atom Ni-N Catalytic Site in Hollow Porous Carbon Capsules for Efficient Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2021 , 21, 9691-9698	11.5	27
421	MOF Encapsulating N-Heterocyclic Carbene-Ligated Copper Single-Atom Site Catalyst towards Efficient Methane Electrosynthesis. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	18
420	Striding the threshold of an atom era of organic synthesis by single-atom catalysis. <i>CheM</i> , 2021 ,	16.2	16
419	Cobalt Single Atom Incorporated in Ruthenium Oxide Sphere: A Robust Bifunctional Electrocatalyst for HER and OER. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	16
418	Theory-oriented screening and discovery of advanced energy transformation materials in electrocatalysis 2021 , 100013-100013		75
417	Decreasing the coordinated N atoms in a single-atom Cu catalyst to achieve selective transfer hydrogenation of alkynes. <i>Chemical Science</i> , 2021 , 12, 14599-14605	9.4	4

4 ¹⁶	Synergistic Modulation of the Separation of Photo-Generated Carriers via Engineering of Dual Atomic Sites for Promoting Photocatalytic Performance. <i>Advanced Materials</i> , 2021 , e2105904	24	26
4 ¹⁵	A fundamental comprehension and recent progress in advanced Pt-based ORR nanocatalysts. <i>SmartMat</i> , 2021 , 2, 56-75	22.8	43
4 ¹⁴	High-Loading Single-Atomic-Site Silver Catalysts with an Ag ₁ Co ₂ N ₁ Structure Showing Superior Performance for Epoxidation of Styrene. <i>ACS Catalysis</i> , 2021 , 11, 4946-4954	13.1	13
4 ¹³	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. <i>Nature Communications</i> , 2021 , 12, 3181	17.4	40
4 ¹²	A Supported Pd ₂ Dual-Atom Site Catalyst for Efficient Electrochemical CO ₂ Reduction. <i>Angewandte Chemie</i> , 2021 , 133, 13500-13505	3.6	3
4 ¹¹	Constructing FeN ₄ /graphitic nitrogen atomic interface for high-efficiency electrochemical CO ₂ reduction over a broad potential window. <i>Chem</i> , 2021 , 7, 1297-1307	16.2	44
4 ¹⁰	Single-atom site catalysts supported on two-dimensional materials for energy applications. <i>Chinese Chemical Letters</i> , 2021 , 32, 3771-3771	8.1	5
4 ⁰⁹	Atomic Co/Ni dual sites with N/P-coordination as bifunctional oxygen electrocatalyst for rechargeable zinc-air batteries. <i>Nano Research</i> , 2021 , 14, 3482-3488	10	27
4 ⁰⁸	A Supported Pd Dual-Atom Site Catalyst for Efficient Electrochemical CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13388-13393	16.4	54
4 ⁰⁷	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. <i>Nature Catalysis</i> , 2021 , 4, 407-417	36.5	134
4 ⁰⁶	A heterogeneous iridium single-atom-site catalyst for highly regioselective carbenoid O-H bond insertion. <i>Nature Catalysis</i> , 2021 , 4, 523-531	36.5	28
4 ⁰⁵	Atomically Dispersed Pt-NC Sites Enabling Efficient and Selective Electrocatalytic C-C Bond Cleavage in Lignin Models under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9429-9439	16.4	43
4 ⁰⁴	Electronic structure regulations of single-atom site catalysts and their effects on the electrocatalytic performances. <i>Applied Physics Reviews</i> , 2021 , 8, 021321	17.3	9
4 ⁰³	In Situ Implanting of Single Tungsten Sites into Defective UiO-66(Zr) by Solvent-Free Route for Efficient Oxidative Desulfurization at Room Temperature. <i>Angewandte Chemie</i> , 2021 , 133, 20481-20487 ^{3.6}	3.6	1
4 ⁰²	Fabricating polyoxometalates-stabilized single-atom site catalysts in confined space with enhanced activity for alkynes diboration. <i>Nature Communications</i> , 2021 , 12, 4205	17.4	21
4 ⁰¹	The Electronic Metal-Support Interaction Directing the Design of Single Atomic Site Catalysts: Achieving High Efficiency Towards Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021 , 133, 19233-19239	3.6	16
4 ⁰⁰	An Adjacent Atomic Platinum Site Enables Single-Atom Iron with High Oxygen Reduction Reaction Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19262-19271	16.4	81
399	Single-Atom Materials: Small Structures Determine Macroproperties. <i>Small Structures</i> , 2021 , 2, 2000051	8.7	147

398	Atomically dispersed NiRu interface sites for high-efficiency pH-universal electrocatalysis of hydrogen evolution. <i>Nano Energy</i> , 2021 , 80, 105467	17.1	44
397	Silver Single-Atom Catalyst for Efficient Electrochemical CO Reduction Synthesized from Thermal Transformation and Surface Reconstruction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6170-6176	16.4	98
396	Porous Fe ₂ O ₃ nanoparticle decorated with atomically dispersed platinum: Study on atomic site structural change and gas sensor activity evolution. <i>Nano Research</i> , 2021 , 14, 1435-1442	10	17
395	How to select effective electrocatalysts: Nano or single atom?. <i>Nano Select</i> , 2021 , 2, 492-511	3.1	42
394	Silver Single-Atom Catalyst for Efficient Electrochemical CO ₂ Reduction Synthesized from Thermal Transformation and Surface Reconstruction. <i>Angewandte Chemie</i> , 2021 , 133, 6235-6241	3.6	10
393	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3212-3221	16.4	180
392	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. <i>Angewandte Chemie</i> , 2021 , 133, 3249-3258	3.6	22
391	Single copper sites dispersed on hierarchically porous carbon for improving oxygen reduction reaction towards zinc-air battery. <i>Nano Research</i> , 2021 , 14, 998-1003	10	21
390	Single-atom Fe with Fe ₁ N ₃ structure showing superior performances for both hydrogenation and transfer hydrogenation of nitrobenzene. <i>Science China Materials</i> , 2021 , 64, 642-650	7.1	59
389	Manganese vacancy-confined single-atom Ag in cryptomelane nanorods for efficient Wacker oxidation of styrene derivatives. <i>Chemical Science</i> , 2021 , 12, 6099-6106	9.4	8
388	Cobalt single atom site catalysts with ultrahigh metal loading for enhanced aerobic oxidation of ethylbenzene. <i>Nano Research</i> , 2021 , 14, 2418	10	99
387	One-step synthesis of single-site vanadium substitution in 1T-WS monolayers for enhanced hydrogen evolution catalysis. <i>Nature Communications</i> , 2021 , 12, 709	17.4	42
386	Construction of nitrogen-doped porous carbon nanosheets decorated with Fe ₃ N ₄ and iron oxides by a biomass coordination strategy for efficient oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2021 , 45, 14570-14579	3.6	1
385	Fe ₁ N ₄ D ₁ site with axial Fe coordination for highly selective CO ₂ reduction over a wide potential range. <i>Energy and Environmental Science</i> , 2021 , 14, 3430-3437	35.4	40
384	Single-Atom Materials: Small Structures Determine Macroproperties. <i>Small Structures</i> , 2021 , 2, 2170006	8.7	4
383	Notched-Polyoxometalate Strategy to Fabricate Atomically Dispersed Ru Catalysts for Biomass Conversion. <i>ACS Catalysis</i> , 2021 , 11, 2669-2675	13.1	13
382	Construction of Dual-Active-Site Copper Catalyst Containing both Cu ₂ N and Cu ₃ N Sites. <i>Small</i> , 2021 , 17, e2006834	11	14
381	Pd single-atom monolithic catalyst: Functional 3D structure and unique chemical selectivity in hydrogenation reaction. <i>Science China Materials</i> , 2021 , 64, 1919-1929	7.1	35

380	In Situ Implanting of Single Tungsten Sites into Defective UiO-66(Zr) by Solvent-Free Route for Efficient Oxidative Desulfurization at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20318-20324	16.4	19
379	An Adjacent Atomic Platinum Site Enables Single-Atom Iron with High Oxygen Reduction Reaction Performance. <i>Angewandte Chemie</i> , 2021 , 133, 19411-19420	3.6	11
378	Rational Design of Single-Atom Site Electrocatalysts: From Theoretical Understandings to Practical Applications. <i>Advanced Materials</i> , 2021 , 33, e2008151	24	60
377	The Electronic Metal-Support Interaction Directing the Design of Single Atomic Site Catalysts: Achieving High Efficiency Towards Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19085-19091	16.4	64
376	Anion-exchange-mediated internal electric field for boosting photogenerated carrier separation and utilization. <i>Nature Communications</i> , 2021 , 12, 4952	17.4	12
375	Synthesis, Structures of 2D Coordination Layers Metal-Organic Frameworks with Highly Selective CO ₂ Uptake. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2789-2794	4.9	0
374	Polyoxometalate-Based Metal-Organic Framework as Molecular Sieve for Highly Selective Semi-Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. <i>Angewandte Chemie</i> , 2021 , 133, 22696-22702	3.6	102
373	Lewis Acid Site-Promoted Single-Atomic Cu Catalyzes Electrochemical CO Methanation. <i>Nano Letters</i> , 2021 , 21, 7325-7331	11.5	38
372	Polyoxometalate-Based Metal-Organic Framework as Molecular Sieve for Highly Selective Semi-Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22522-22528	16.4	27
371	Construction of Pd-Zn dual sites to enhance the performance for ethanol electro-oxidation reaction. <i>Nature Communications</i> , 2021 , 12, 5273	17.4	20
370	Creating High Regioselectivity by Electronic Metal-Support Interaction of a Single-Atomic-Site Catalyst. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15453-15461	16.4	23
369	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO ₂ Electroreduction Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 23806	3.6	11
368	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO Electroreduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23614-23618	16.4	60
367	Electronics and coordination engineering of atomic cobalt trapped by oxygen-driven defects for efficient cathode in solar cells. <i>Nano Energy</i> , 2021 , 89, 106365	17.1	9
366	Carbon-Supported Single-Atom Catalysts for Formic Acid Oxidation and Oxygen Reduction Reactions. <i>Small</i> , 2021 , 17, e2004500	11	19
365	Atomically dispersed nonmagnetic electron traps improve oxygen reduction activity of perovskite oxides. <i>Energy and Environmental Science</i> , 2021 , 14, 1016-1028	35.4	28
364	Non-carbon-supported single-atom site catalysts for electrocatalysis. <i>Energy and Environmental Science</i> , 2021 , 14, 2809-2858	35.4	66
363	The atomic-level regulation of single-atom site catalysts for the electrochemical CO reduction reaction. <i>Chemical Science</i> , 2021 , 12, 4201-4215	9.4	29

362	Tandem catalyzing the hydrodeoxygenation of 5-hydroxymethylfurfural over a NiFe intermetallic supported Pt single-atom site catalyst. <i>Chemical Science</i> , 2021 , 12, 4139-4146	9.4	11
361	Ru1Co Single-Atom Alloy for Enhancing Fischer-Tropsch Synthesis. <i>ACS Catalysis</i> , 2021 , 11, 1886-1896	13.1	16
360	Coordination structure dominated performance of single-atomic Pt catalyst for anti-Markovnikov hydroboration of alkenes. <i>Science China Materials</i> , 2020 , 63, 972-981	7.1	62
359	Engineering of Electronic States on Co O Ultrathin Nanosheets by Cation Substitution and Anion Vacancies for Oxygen Evolution Reaction. <i>Small</i> , 2020 , 16, e2001571	11	49
358	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	17.6	207
357	Single atomic site catalysts: synthesis, characterization, and applications. <i>Chemical Communications</i> , 2020 , 56, 7687-7697	5.8	26
356	Engineering unsymmetrically coordinated Cu-SN single atom sites with enhanced oxygen reduction activity. <i>Nature Communications</i> , 2020 , 11, 3049	17.4	210
355	Au@Pt Nanotubes within CoZn-Based Metal-Organic Framework for Highly Efficient Semi-hydrogenation of Acetylene. <i>IScience</i> , 2020 , 23, 101233	6.1	9
354	Atomic Thickness Catalysts: Synthesis and Applications. <i>Small Methods</i> , 2020 , 4, 2000248	12.8	21
353	Engineering Isolated Mn-NC Atomic Interface Sites for Efficient Bifunctional Oxygen Reduction and Evolution Reaction. <i>Nano Letters</i> , 2020 , 20, 5443-5450	11.5	135
352	Atomic-scale engineering of chemical-vapor-deposition-grown 2D transition metal dichalcogenides for electrocatalysis. <i>Energy and Environmental Science</i> , 2020 , 13, 1593-1616	35.4	86
351	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020 , 132, 10738-10744	3.6	31
350	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10651-10657	16.4	148
349	Fabricating Pd isolated single atom sites on C ₃ N ₄ /rGO for heterogenization of homogeneous catalysis. <i>Nano Research</i> , 2020 , 13, 947-951	10	41
348	Facet engineering in metal organic frameworks to improve their electrochemical activity for water oxidation. <i>Chemical Communications</i> , 2020 , 56, 4316-4319	5.8	14
347	Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. <i>Nature Nanotechnology</i> , 2020 , 15, 390-397	28.7	208
346	Chemical Synthesis of Single Atomic Site Catalysts. <i>Chemical Reviews</i> , 2020 , 120, 11900-11955	68.1	368
345	Modulating the local coordination environment of single-atom catalysts for enhanced catalytic performance. <i>Nano Research</i> , 2020 , 13, 1842-1855	10	297

344	Atomic site electrocatalysts for water splitting, oxygen reduction and selective oxidation. <i>Chemical Society Reviews</i> , 2020 , 49, 2215-2264	58.5	309
343	Single atom alloy: An emerging atomic site material for catalytic applications. <i>Nano Today</i> , 2020 , 34, 100917	17	44
342	MOF derived high-density atomic platinum heterogeneous catalyst for C-H bond activation. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1158-1163	7.8	4
341	Single-Atom Au ₁ Site for Acetylene Hydrochlorination Reaction. <i>ACS Catalysis</i> , 2020 , 10, 1865-1870	13.1	41
340	Tuning Polarity of Cu-O Bond in Heterogeneous Cu Catalyst to Promote Additive-free Hydroboration of Alkynes. <i>Chem</i> , 2020 , 6, 725-737	16.2	53
339	Design aktiver atomarer Zentren für HER-Elektrokatalysatoren. <i>Angewandte Chemie</i> , 2020 , 132, 20978-20988	9	9
338	Single-atom catalysis enables long-life, high-energy lithium-sulfur batteries. <i>Nano Research</i> , 2020 , 13, 1856-1866	10	161
337	Adsorption Site Regulation to Guide Atomic Design of Ni-Ga Catalysts for Acetylene Semi-Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11647-11652	16.4	40
336	Structure and Stability of the (001) Surface of Co ₃ O ₄ . <i>Journal of Physical Chemistry C</i> , 2020 , 124, 25790-25795	8	8
335	Synergistically Interactive Pyridinic-N/MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. <i>Angewandte Chemie</i> , 2020 , 132, 9067-9075	3.6	24
334	Designing Atomic Active Centers for Hydrogen Evolution Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20794-20812	16.4	136
333	Titania supported synergistic palladium single atoms and nanoparticles for room temperature ketone and aldehydes hydrogenation. <i>Nature Communications</i> , 2020 , 11, 48	17.4	101
332	Structural Regulation with Atomic-Level Precision: From Single-Atomic Site to Diatomic and Atomic Interface Catalysis. <i>Matter</i> , 2020 , 2, 78-110	12.7	107
331	Well-Defined Materials for Heterogeneous Catalysis: From Nanoparticles to Isolated Single-Atom Sites. <i>Chemical Reviews</i> , 2020 , 120, 623-682	68.1	407
330	Single-atom Sn-Zn pairs in CuO catalyst promote dimethyldichlorosilane synthesis. <i>National Science Review</i> , 2020 , 7, 600-608	10.8	16
329	Modifications of heterogeneous photocatalysts for hydrocarbon C-H bond activation and selective conversion. <i>Chemical Communications</i> , 2020 , 56, 13918-13932	5.8	14
328	Identifying the Types and Characterization of the Active Sites on M-X-C Single-Atom Catalysts. <i>ChemPhysChem</i> , 2020 , 21, 2486-2496	3.2	6
327	Controlling N-doping type in carbon to boost single-atom site Cu catalyzed transfer hydrogenation of quinoline. <i>Nano Research</i> , 2020 , 13, 3082-3087	10	149

326	Engineering of Coordination Environment and Multiscale Structure in Single-Site Copper Catalyst for Superior Electrocatalytic Oxygen Reduction. <i>Nano Letters</i> , 2020 , 20, 6206-6214	11.5	99
325	Discovery of main group single Sb ^{III} active sites for CO ₂ electroreduction to formate with high efficiency. <i>Energy and Environmental Science</i> , 2020 , 13, 2856-2863	35.4	113
324	Gram-Scale Synthesis of High-Loading Single-Atomic-Site Fe Catalysts for Effective Epoxidation of Styrene. <i>Advanced Materials</i> , 2020 , 32, e2000896	24	78
323	Synthetic strategies of supported atomic clusters for heterogeneous catalysis. <i>Nature Communications</i> , 2020 , 11, 5884	17.4	74
322	A general bottom-up synthesis of CuO-based trimetallic oxide mesocrystal superstructures for efficient catalytic production of trichlorosilane. <i>Nano Research</i> , 2020 , 13, 2819-2827	10	10
321	Atomic iron on mesoporous N-doped carbon to achieve dehydrogenation reaction at room temperature. <i>Nano Research</i> , 2020 , 13, 3075-3081	10	13
320	Single-atom site catalysts for environmental catalysis. <i>Nano Research</i> , 2020 , 13, 3165-3182	10	134
319	Atomically dispersed Ni in cadmium-zinc sulfide quantum dots for high-performance visible-light photocatalytic hydrogen production. <i>Science Advances</i> , 2020 , 6, eaaz8447	14.3	47
318	Photoinduction of Cu Single Atoms Decorated on UiO-66-NH for Enhanced Photocatalytic Reduction of CO to Liquid Fuels. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19339-19345	16.4	138
317	Electronic Metal-Support Interaction of Single-Atom Catalysts and Applications in Electrocatalysis. <i>Advanced Materials</i> , 2020 , 32, e2003300	24	191
316	Design of a Single-Atom Indium -N Interface for Efficient Electroreduction of CO to Formate. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22465-22469	16.4	102
315	Design of a Single-Atom Indium ^{III} Interface for Efficient Electroreduction of CO ₂ to Formate. <i>Angewandte Chemie</i> , 2020 , 132, 22651-22655	3.6	12
314	The synthetic strategies for single atomic site catalysts based on metal-organic frameworks. <i>Nanoscale</i> , 2020 , 12, 20580-20589	7.7	5
313	Single-Atom Co-N Electrocatalyst Enabling Four-Electron Oxygen Reduction with Enhanced Hydrogen Peroxide Tolerance for Selective Sensing. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16861-16867	16.4	77
312	Synergistically Interactive Pyridinic-N-MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8982-8990	16.4	134
311	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie</i> , 2020 , 132, 1311-1317	3.6	21
310	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1295-1301	16.4	197
309	Adsorption Site Regulation to Guide Atomic Design of Ni ^{II} a Catalysts for Acetylene Semi-Hydrogenation. <i>Angewandte Chemie</i> , 2020 , 132, 11744-11749	3.6	11

308	Isolated Ni Atoms Dispersed on Ru Nanosheets: High-Performance Electrocatalysts toward Hydrogen Oxidation Reaction. <i>Nano Letters</i> , 2020 , 20, 3442-3448	11.5	80
307	In Situ Phosphatizing of Triphenylphosphine Encapsulated within Metal-Organic Frameworks to Design Atomic Co-PN Interfacial Structure for Promoting Catalytic Performance. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8431-8439	16.4	123
306	Isolated Iron Single-Atomic Site-Catalyzed Chemoselective Transfer Hydrogenation of Nitroarenes to Arylamines. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33819-33824	9.5	42
305	Bismuth Single Atoms Resulting from Transformation of Metal-Organic Frameworks and Their Use as Electrocatalysts for CO Reduction. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16569-16573	16.4	267
304	Copper atom-pair catalyst anchored on alloy nanowires for selective and efficient electrochemical reduction of CO. <i>Nature Chemistry</i> , 2019 , 11, 222-228	17.6	337
303	Topological self-template directed synthesis of multi-shelled intermetallic NiGa hollow microspheres for the selective hydrogenation of alkyne. <i>Chemical Science</i> , 2019 , 10, 614-619	9.4	20
302	Unraveling the enzyme-like activity of heterogeneous single atom catalyst. <i>Chemical Communications</i> , 2019 , 55, 2285-2288	5.8	120
301	Boosting Oxygen Reduction Catalysis with Fe ^{IV} Sites Decorated Porous Carbons toward Fuel Cells. <i>ACS Catalysis</i> , 2019 , 9, 2158-2163	13.1	209
300	Trifunctional Self-Supporting Cobalt-Embedded Carbon Nanotube Films for ORR, OER, and HER Triggered by Solid Diffusion from Bulk Metal. <i>Advanced Materials</i> , 2019 , 31, e1808043	24	186
299	A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9305-9311	16.4	124
298	Two-Step Carbothermal Welding To Access Atomically Dispersed Pd on Three-Dimensional Zirconia Nanonet for Direct Indole Synthesis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10590-10594	16.4	66
297	High-Concentration Single Atomic Pt Sites on Hollow Cu _x for Selective O ₂ Reduction to H ₂ O ₂ in Acid Solution. <i>Chem</i> , 2019 , 5, 2099-2110	16.2	152
296	Convenient fabrication of BiOBr ultrathin nanosheets with rich oxygen vacancies for photocatalytic selective oxidation of secondary amines. <i>Nano Research</i> , 2019 , 12, 1625-1630	10	62
295	Nitrogen-coordinated cobalt nanocrystals for oxidative dehydrogenation and hydrogenation of N-heterocycles. <i>Chemical Science</i> , 2019 , 10, 5345-5352	9.4	39
294	Selective hydrogenation of N-heterocyclic compounds over rhodium-copper bimetallic nanocrystals under ambient conditions. <i>Nano Research</i> , 2019 , 12, 1631-1634	10	14
293	Regulating the Catalytic Performance of Single-Atomic-Site Ir Catalyst for Biomass Conversion by Metal-Support Interactions. <i>ACS Catalysis</i> , 2019 , 9, 5223-5230	13.1	52
292	In situ embedding Co ₉ S ₈ into nitrogen and sulfur codoped hollow porous carbon as a bifunctional electrocatalyst for oxygen reduction and hydrogen evolution reactions. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 186-193	21.8	87
291	Thermal Emitting Strategy to Synthesize Atomically Dispersed Pt Metal Sites from Bulk Pt Metal. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4505-4509	16.4	174

290	Structure regulation of noble-metal-based nanomaterials at an atomic level. <i>Nano Today</i> , 2019 , 26, 164-175	17.5	24
289	Sub-3 nm Rh nanoclusters confined within a metal-organic framework for enhanced hydrogen generation. <i>Chemical Communications</i> , 2019 , 55, 4699-4702	5.8	24
288	Metal organic frameworks derived single atom catalysts for electrocatalytic energy conversion. <i>Nano Research</i> , 2019 , 12, 2067-2080	10	320
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