Li-Rong Zheng

List of Publications by Citations

791 papers	34,550 citations	93 h-index	165 g-index
914 ext. papers	46,396 ext. citations	9.2 avg, IF	7.77 L-index

#	Paper	IF	Citations
791	Homogeneously dispersed multimetal oxygen-evolving catalysts. *Science*, **2016**, 352, 333-7	33.3	1459
790	Single Cobalt Atoms with Precise N-Coordination as Superior Oxygen Reduction Reaction Catalysts. *Angewandte Chemie - International Edition*, **2016**, 55, 10800-5	16.4	1397
789	Isolated Single Iron Atoms Anchored on N-Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. *Angewandte Chemie - International Edition*, **2017**, 56, 6937-6941	16.4	1138
788	Fe□N□C electrocatalyst with dense active sites and efficient mass transport for high-performance proton exchange membrane fuel cells. *Nature Catalysis*, **2019**, 2, 259-268	36.5	580
787	A Voltage-Boosting Strategy Enabling a Low-Frequency, Flexible Electromagnetic Wave Absorption Device. *Advanced Materials*, **2018**, 30, e1706343	24	503
786	Defect Effects on TiO Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. *Advanced Materials*, **2018**, 30, 1705369	24	474
785	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. *Nature Nanotechnology*, **2018**, 13, 856-861	28.7	471
784	Hollow N-Doped Carbon Spheres with Isolated Cobalt Single Atomic Sites: Superior Electrocatalysts for Oxygen Reduction. *Journal of the American Chemical Society*, **2017**, 139, 17269-17272	16.4	444
783	Enhanced oxygen reduction with single-atomic-site iron catalysts for a zinc-air battery and hydrogen-air fuel cell. *Nature Communications*, **2018**, 9, 5422	17.4	431
782	. *IEEE Transactions on Industrial Informatics*, **2014**, 10, 2180-2191	11.9	405
781	Doping-Enhanced Short-Range Order of Perovskite Nanocrystals for Near-Unity Violet Luminescence Quantum Yield. *Journal of the American Chemical Society*, **2018**, 140, 9942-9951	16.4	380
780	Metal□Organic-Framework-Derived Fe-N/C Electrocatalyst with Five-Coordinated Fe-Nx Sites for Advanced Oxygen Reduction in Acid Media. *ACS Catalysis*, **2017**, 7, 1655-1663	13.1	359
779	Layered-Double-Hydroxide Nanosheets as Efficient Visible-Light-Driven Photocatalysts for Dinitrogen Fixation. *Advanced Materials*, **2017**, 29, 1703828	24	342
778	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. *Advanced Materials*, **2018**, 30, e1800588	24	338
777	A Single-Atom Nanozyme for Wound Disinfection Applications. *Angewandte Chemie - International Edition*, **2019**, 58, 4911-4916	16.4	335
776	Active Site Dependent Reaction Mechanism over Ru/CeO2 Catalyst toward CO2 Methanation. *Journal of the American Chemical Society*, **2016**, 138, 6298-305	16.4	322
775	A Bimetallic Zn/Fe Polyphthalocyanine-Derived Single-Atom Fe-N Catalytic Site:A Superior Trifunctional Catalyst for Overall Water Splitting and Zn-Air Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 8614-8618	16.4	305

774	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. *Angewandte Chemie - International Edition*, **2017**, 56, 16086-16090	16.4	299
773	Introduction of amino groups into acid-resistant MOFs for enhanced U(VI) sorption. *Journal of Materials Chemistry A*, **2015**, 3, 525-534	13	293
772	Defect Engineering in Two Common Types of Dielectric Materials for Electromagnetic Absorption Applications. *Advanced Functional Materials*, **2019**, 29, 1901236	15.6	285
771	Activating cobalt(II) oxide nanorods for efficient electrocatalysis by strain engineering. *Nature Communications*, **2017**, 8, 1509	17.4	276
770	Cobalt Covalent Doping in MoS to Induce Bifunctionality of Overall Water Splitting. *Advanced Materials*, **2018**, 30, e1801450	24	273
769	Bismuth Single Atoms Resulting from Transformation of Metal-Organic Frameworks and Their Use as Electrocatalysts for CO Reduction. *Journal of the American Chemical Society*, **2019**, 141, 16569-16573	16.4	267
768	Single Cobalt Atoms with Precise N-Coordination as Superior Oxygen Reduction Reaction Catalysts. *Angewandte Chemie*, **2016**, 128, 10958-10963	3.6	259
767	Vapor-assisted deposition of highly efficient, stable black-phase FAPbI perovskite solar cells. *Science*, **2020**, 370,	33.3	257
766	Single-Atom to Single-Atom Grafting of Pt1 onto Fe?N4 Center: Pt1@Fe?N?C Multifunctional Electrocatalyst with Significantly Enhanced Properties. *Advanced Energy Materials*, **2018**, 8, 1701345	21.8	255
765	Efficient Electrocatalytic Water Oxidation by Using Amorphous Ni□o Double Hydroxides Nanocages. *Advanced Energy Materials*, **2015**, 5, 1401880	21.8	243
764	Isolated Single Iron Atoms Anchored on N-Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. *Angewandte Chemie*, **2017**, 129, 7041-7045	3.6	241
763	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. *Advanced Materials*, **2018**, 30, 1705509	24	234
762	Regulating the Coordination Environment of MOF-Templated Single-Atom Nickel Electrocatalysts for Boosting CO Reduction. *Angewandte Chemie - International Edition*, **2020**, 59, 2705-2709	16.4	227
761	The Solid-Phase Synthesis of an Fe-N-C Electrocatalyst for High-Power Proton-Exchange Membrane Fuel Cells. *Angewandte Chemie - International Edition*, **2018**, 57, 1204-1208	16.4	227
760	Atomically Dispersed Fe/N-Doped Hierarchical Carbon Architectures Derived from a Metal□Organic Framework Composite for Extremely Efficient Electrocatalysis. *ACS Energy Letters*, **2017**, 2, 504-511	20.1	223
759	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO/FeO and Its Graphene Composite. *Environmental Science & Technology*, **2017**, 51, 5666-5674	10.3	211
758	Engineering unsymmetrically coordinated Cu-SN single atom sites with enhanced oxygen reduction activity. *Nature Communications*, **2020**, 11, 3049	17.4	210
757	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. *Nature Chemistry*, **2020**, 12, 764-772	17.6	207

756	Single-atom cobalt array bound to distorted 1T MoS with ensemble effect for hydrogen evolution catalysis. *Nature Communications*, **2019**, 10, 5231	17.4	204
755	A Polymer Encapsulation Strategy to Synthesize Porous Nitrogen-Doped Carbon-Nanosphere-Supported Metal Isolated-Single-Atomic-Site Catalysts. *Advanced Materials*, **2018**, 30, e1706508	24	203
754	Electronic structure engineering to boost oxygen reduction activity by controlling the coordination of the central metal. *Energy and Environmental Science*, **2018**, 11, 2348-2352	35.4	203
753	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. *Angewandte Chemie - International Edition*, **2020**, 59, 1295-1301	16.4	197
752	Metal (Hydr)oxides@Polymer Core-Shell Strategy to Metal Single-Atom Materials. *Journal of the American Chemical Society*, **2017**, 139, 10976-10979	16.4	193
751	Efficient removal of uranium from aqueous solution by zero-valent iron nanoparticle and its graphene composite. *Journal of Hazardous Materials*, **2015**, 290, 26-33	12.8	193
750	Constructing NiCo/FeO Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. *Journal of the American Chemical Society*, **2018**, 140, 15336-15341	16.4	193
749	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. *Angewandte Chemie - International Edition*, **2019**, 58, 736-740	16.4	188
748	A general route via formamide condensation to prepare atomically dispersed metal–nitrogen–carbon electrocatalysts for energy technologies. *Energy and Environmental Science*, **2019**, 12, 1317-1325	35.4	181
747	Cation vacancy stabilization of single-atomic-site Pt/Ni(OH) catalyst for diboration of alkynes and alkenes. *Nature Communications*, **2018**, 9, 1002	17.4	179
746	Thermal Emitting Strategy to Synthesize Atomically Dispersed Pt Metal Sites from Bulk Pt Metal. *Journal of the American Chemical Society*, **2019**, 141, 4505-4509	16.4	174
745	Regulating the coordination structure of single-atom Fe-NC catalytic sites for benzene oxidation. *Nature Communications*, **2019**, 10, 4290	17.4	173
744	Black Phosphorus Quantum Dot/Ti3C2 MXene Nanosheet Composites for Efficient Electrochemical Lithium/Sodium-Ion Storage. *Advanced Energy Materials*, **2018**, 8, 1801514	21.8	170
743	Value-centric design of the internet-of-things solution for food supply chain: Value creation, sensor portfolio and information fusion. *Information Systems Frontiers*, **2015**, 17, 289-319	4	168
742	Pd Single-Atom Catalysts on Nitrogen-Doped Graphene for the Highly Selective Photothermal Hydrogenation of Acetylene to Ethylene. *Advanced Materials*, **2019**, 31, e1900509	24	164
741	Rational Design of Fe–N/C Hybrid for Enhanced Nitrogen Reduction Electrocatalysis under Ambient Conditions in Aqueous Solution. *ACS Catalysis*, **2019**, 9, 336-344	13.1	164
740	Highly active, stable oxidized platinum clusters as electrocatalysts for the hydrogen evolution reaction. *Energy and Environmental Science*, **2017**, 10, 2450-2458	35.4	160
739	Carbon dioxide electroreduction to C products over copper-cuprous oxide derived from electrosynthesized copper complex. *Nature Communications*, **2019**, 10, 3851	17.4	159

738	Functionalized MoS Nanovehicle with Near-Infrared Laser-Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteria-Infected Wound Therapy. *Small*, **2018**, 14, e1802290	11	158
737	Design of a terminal solution for integration of in-home health care devices and services towards the Internet-of-Things. *Enterprise Information Systems*, **2015**, 9, 86-116	3.5	151
736	Well-Dispersed Nickel- and Zinc-Tailored Electronic Structure of a Transition Metal Oxide for Highly Active Alkaline Hydrogen Evolution Reaction. *Advanced Materials*, **2019**, 31, e1807771	24	149
735	High-valence metals improve oxygen evolution reaction performance by modulating 3d metal oxidation cycle energetics. *Nature Catalysis*, **2020**, 3, 985-992	36.5	149
734	Controlling N-doping type in carbon to boost single-atom site Cu catalyzed transfer hydrogenation of quinoline. *Nano Research*, **2020**, 13, 3082-3087	10	149
733	Hydrogen Evolution Reaction in Alkaline Media: Alpha- or Beta-Nickel Hydroxide on the Surface of Platinum?. *ACS Energy Letters*, **2018**, 3, 237-244	20.1	148
732	TiO2-Modified Ni Nanocatalyst with Tunable Metal–Support Interaction for Water–Gas Shift Reaction. *ACS Catalysis*, **2017**, 7, 7600-7609	13.1	147
731	Efficient U(VI) Reduction and Sequestration by TiCT MXene. *Environmental Science & Technology*, **2018**, 52, 10748-10756	10.3	147
730	Discovering Partially Charged Single-Atom Pt for Enhanced Anti-Markovnikov Alkene Hydrosilylation. *Journal of the American Chemical Society*, **2018**, 140, 7407-7410	16.4	147
729	Low-Cost Printed Chipless RFID Humidity Sensor Tag for Intelligent Packaging. *IEEE Sensors Journal*, **2015**, 15, 3201-3208	4	145
728	Manganese acting as a high-performance heterogeneous electrocatalyst in carbon dioxide reduction. *Nature Communications*, **2019**, 10, 2980	17.4	144
727	Rational Design of Holey 2D Nonlayered Transition Metal Carbide/Nitride Heterostructure Nanosheets for Highly Efficient Water Oxidation. *Advanced Energy Materials*, **2019**, 9, 1803768	21.8	143
726	Medial reward and lateral non-reward orbitofrontal cortex circuits change in opposite directions in depression. *Brain*, **2016**, 139, 3296-3309	11.2	142
725	Interface confined hydrogen evolution reaction in zero valent metal nanoparticles-intercalated molybdenum disulfide. *Nature Communications*, **2017**, 8, 14548	17.4	139
724	Loading Actinides in Multilayered Structures for Nuclear Waste Treatment: The First Case Study of Uranium Capture with Vanadium Carbide MXene. *ACS Applied Materials & Interfaces*, **2016**, 8, 16396-403	9.5	138
723	Translocation and biotransformation of CuO nanoparticles in rice (Oryza sativa L.) plants. *Environmental Pollution*, **2015**, 197, 99-107	9.3	137
722	Engineering Isolated Mn-NC Atomic Interface Sites for Efficient Bifunctional Oxygen Reduction and Evolution Reaction. *Nano Letters*, **2020**, 20, 5443-5450	11.5	135
721	Unraveling sorption of lead in aqueous solutions by chemically modified biochar derived from coconut fiber: A microscopic and spectroscopic investigation. *Science of the Total Environment*, **2017**, 576, 766-774	10.2	134

720	Synergistically Interactive Pyridinic-N-MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. *Angewandte Chemie - International Edition*, **2020**, 59, 8982-8990	16.4	134
719	A cocoon silk chemistry strategy to ultrathin N-doped carbon nanosheet with metal single-site catalysts. *Nature Communications*, **2018**, 9, 3861	17.4	132
718	Insights into Interfacial Synergistic Catalysis over Ni@TiO Catalyst toward Water-Gas Shift Reaction. *Journal of the American Chemical Society*, **2018**, 140, 11241-11251	16.4	129
717	High-Bandwidth White-Light System Combining a Micro-LED with Perovskite Quantum Dots for Visible Light Communication. *ACS Applied Materials & Interfaces*, **2018**, 10, 5641-5648	9.5	126
716	Regulating Photocatalysis by Spin-State Manipulation of Cobalt in Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2020**, 142, 16723-16731	16.4	126
715	Platinum-copper single atom alloy catalysts with high performance towards glycerol hydrogenolysis. *Nature Communications*, **2019**, 10, 5812	17.4	125
714	A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. *Journal of the American Chemical Society*, **2019**, 141, 9305-9311	16.4	124
713	Confined small-sized cobalt catalysts stimulate carbon-chain growth reversely by modifying ASF law of Fischer-Tropsch synthesis. *Nature Communications*, **2018**, 9, 3250	17.4	124
712	Materials capability and device performance in flexible electronics for the Internet of Things. *Journal of Materials Chemistry C*, **2014**, 2, 1220-1232	7.1	124
711	In Situ Phosphatizing of Triphenylphosphine Encapsulated within Metal-Organic Frameworks to Design Atomic Co-PN Interfacial Structure for Promoting Catalytic Performance. *Journal of the American Chemical Society*, **2020**, 142, 8431-8439	16.4	123
710	CoO Hollow Cube/Reduced Graphene Oxide Composites with Enhanced Lithium Storage Capability. *Chemistry of Materials*, **2014**, 26, 5958-5964	9.6	122
709	Ordered Porous Nitrogen-Doped Carbon Matrix with Atomically Dispersed Cobalt Sites as an Efficient Catalyst for Dehydrogenation and Transfer Hydrogenation of N-Heterocycles. *Angewandte Chemie - International Edition*, **2018**, 57, 11262-11266	16.4	119
708	Relationship between Iron Carbide Phases (□-Fe2C, Fe7C3, and □Fe5C2) and Catalytic Performances of Fe/SiO2 Fischer□Tropsch Catalysts. *ACS Catalysis*, **2018**, 8, 3304-3316	13.1	116
707	Rare Earth Single-Atom Catalysts for Nitrogen and Carbon Dioxide Reduction. *ACS Nano*, **2020**, 14, 1093-1101	16.1	109
706	Production of vanillin from waste residue of rice bran oil by Aspergillus niger and Pycnoporus cinnabarinus. *Bioresource Technology*, **2007**, 98, 1115-9	11	106
705	Highly Electrocatalytic Ethylene Production from CO on Nanodefective Cu Nanosheets. *Journal of the American Chemical Society*, **2020**, 142, 13606-13613	16.4	106
704	High-speed underwater optical wireless communication using a blue GaN-based micro-LED. *Optics Express*, **2017**, 25, 1193-1201	3.3	100
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702	X-ray-activated long persistent phosphors featuring strong UVC afterglow emissions. *Light: Science and Applications*, **2018**, 7, 88	16.7	97
701	A Mn-N single-atom catalyst embedded in graphitic carbon nitride for efficient CO electroreduction. *Nature Communications*, **2020**, 11, 4341	17.4	96
700	Effective Removal of Anionic Re(VII) by Surface-Modified TiCT MXene Nanocomposites: Implications for Tc(VII) Sequestration. *Environmental Science & Technology*, **2019**, 53, 3739-3747	10.3	94
699	Preparation of FeNC catalysts with FeNx (x = 1, 3, 4) active sites and comparison of their activities for the oxygen reduction reaction and performances in proton exchange membrane fuel cells. *Journal of Materials Chemistry A*, **2019**, 7, 26147-26153	13	94
698	Study of the Active Sites in Porous Nickel Oxide Nanosheets by Manganese Modulation for Enhanced Oxygen Evolution Catalysis. *ACS Energy Letters*, **2018**, 3, 2150-2158	20.1	93
697	MIL-125-NH@TiO Core-Shell Particles Produced by a Post-Solvothermal Route for High-Performance Photocatalytic H Production. *ACS Applied Materials & Interfaces*, **2018**, 10, 16418-16423	9.5	91
696	Lead-Free Cs2BiAgBr6 Double Perovskite-Based Humidity Sensor with Superfast Recovery Time. *Advanced Functional Materials*, **2019**, 29, 1902234	15.6	90
695	Potential-Dependent Phase Transition and Mo-Enriched Surface Reconstruction of CoOOH in a Heterostructured Co-Mo2C Precatalyst Enable Water Oxidation. *ACS Catalysis*, **2020**, 10, 4411-4419	13.1	88
694	Correlating interfacial octahedral rotations with magnetism in (LaMnO3+)N/(SrTiO3)N superlattices. *Nature Communications*, **2014**, 5, 4283	17.4	87
693	A three-dimensional hierarchically porous Mo2C architecture: salt-template synthesis of a robust electrocatalyst and anode material towards the hydrogen evolution reaction and lithium storage. *Journal of Materials Chemistry A*, **2017**, 5, 20228-20238	13	87
692	AuOvTi3+ Interfacial Site: Catalytic Active Center toward Low-Temperature Water Gas Shift Reaction. *ACS Catalysis*, **2019**, 9, 2707-2717	13.1	84
691	Porphyrin-like Fe-N4 sites with sulfur adjustment on hierarchical porous carbon for different rate-determining steps in oxygen reduction reaction. *Nano Research*, **2018**, 11, 6260-6269	10	83
690	An Enzyme-Mimicking Single-Atom Catalyst as an Efficient Multiple Reactive Oxygen and Nitrogen Species Scavenger for Sepsis Management. *Angewandte Chemie - International Edition*, **2020**, 59, 5108-5115	16.4	82
689	Ambient Synthesis of Single-Atom Catalysts from Bulk Metal via Trapping of Atoms by Surface Dangling Bonds. *Advanced Materials*, **2019**, 31, e1904496	24	82
688	Enhancing the Catalytic Activity of Co3O4 for LiO2 Batteries through the Synergy of Surface/Interface/Doping Engineering. *ACS Catalysis*, **2018**, 8, 1955-1963	13.1	81
687	An Adjacent Atomic Platinum Site Enables Single-Atom Iron with High Oxygen Reduction Reaction Performance. *Angewandte Chemie - International Edition*, **2021**, 60, 19262-19271	16.4	81
686	New Insights into the Roles of Mg in Improving the Rate Capability and Cycling Stability of O3-NaMnNiFeMgO for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 10819-10827	9.5	79
685	An Implantable RFID Sensor Tag toward Continuous Glucose Monitoring. *IEEE Journal of Biomedical and Health Informatics*, **2015**, 19, 910-9	7.2	78

684	Scale-Up Biomass Pathway to Cobalt Single-Site Catalysts Anchored on N-Doped Porous Carbon Nanobelt with Ultrahigh Surface Area. *Advanced Functional Materials*, **2018**, 28, 1802167	15.6	78
683	Gram-Scale Synthesis of High-Loading Single-Atomic-Site Fe Catalysts for Effective Epoxidation of Styrene. *Advanced Materials*, **2020**, 32, e2000896	24	78
682	Alkali Etching of Layered Double Hydroxide Nanosheets for Enhanced Photocatalytic N2 Reduction to NH3. *Advanced Energy Materials*, **2020**, 10, 2002199	21.8	78
681	Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process. *Angewandte Chemie - International Edition*, **2021**, 60, 2371-2378	16.4	78
680	Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. *Journal of Hazardous Materials*, **2020**, 396, 122731	12.8	75
679	One-Pot Pyrolysis to N-Doped Graphene with High-Density Pt Single Atomic Sites as Heterogeneous Catalyst for Alkene Hydrosilylation. *ACS Catalysis*, **2018**, 8, 10004-10011	13.1	75
678	Where Does the Transformation of Precipitated Ceria Nanoparticles in Hydroponic Plants Take Place?. *Environmental Science & Technology*, **2015**, 49, 10667-74	10.3	74
677	Item-Level Indoor Localization With Passive UHF RFID Based on Tag Interaction Analysis. *IEEE Transactions on Industrial Electronics*, **2014**, 61, 2122-2135	8.9	74
676	Atomic Insights for Optimum and Excess Doping in Photocatalysis: A Case Study of Few-Layer Cu-ZnIn2S4. *Advanced Functional Materials*, **2019**, 29, 1807013	15.6	74
675	Transformation of ceria nanoparticles in cucumber plants is influenced by phosphate. *Environmental Pollution*, **2015**, 198, 8-14	9.3	73
674	Simultaneous elimination of cationic uranium(VI) and anionic rhenium(VII) by graphene oxide–poly(ethyleneimine) macrostructures: a batch, XPS, EXAFS, and DFT combined study. *Environmental Science: Nano*, **2018**, 5, 2077-2087	7.1	72
673	Ionic liquid accelerates the crystallization of Zr-based metal-organic frameworks. *Nature Communications*, **2017**, 8, 175	17.4	72
672	Xylem and Phloem Based Transport of CeO Nanoparticles in Hydroponic Cucumber Plants. *Environmental Science & Technology*, **2017**, 51, 5215-5221	10.3	71
671	Food quality and safety monitoring using gas sensor array in intelligent packaging. *Sensor Review*, **2016**, 36, 169-183	1.4	71
670	Li-Substituted Co-Free Layered P2/O3 Biphasic Na0.67Mn0.55Ni0.25Ti0.2□LixO2 as High-Rate-Capability Cathode Materials for Sodium Ion Batteries. *Journal of Physical Chemistry C*, **2016**, 120, 9007-9016	3.8	71
669	Iridium-Triggered Phase Transition of MoS2 Nanosheets Boosts Overall Water Splitting in Alkaline Media. *ACS Energy Letters*, **2019**, 4, 368-374	20.1	71
668	Amorphous Vanadium Oxide/Molybdenum Oxide Hybrid with Three-Dimensional Ordered Hierarchically Porous Structure as a High-Performance Li-Ion Battery Anode. *Chemistry of Materials*, **2016**, 28, 4180-4190	9.6	68
667	CoO/CoP Heterostructured Nanosheets with an O□P Interpenetrated Interface as a Bifunctional Electrocatalyst for Na□O2 Battery. *ACS Catalysis*, **2018**, 8, 8953-8960	13.1	68

666	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. *Angewandte Chemie*, **2017**, 129, 16302-16306	3.6	66
665	An Internet-of-Things solution for food safety and quality control: A pilot project in China. *Journal of Industrial Information Integration*, **2016**, 3, 1-7	7	66
664	The Role of Alkali Metal in □MnO Catalyzed Ammonia-Selective Catalysis. *Angewandte Chemie - International Edition*, **2019**, 58, 6351-6356	16.4	65
663	Aqueous CO Reduction with High Efficiency Using □Co(OH) -Supported Atomic Ir Electrocatalysts. *Angewandte Chemie - International Edition*, **2019**, 58, 4669-4673	16.4	65
662	Activating Layered Double Hydroxide with Multivacancies by Memory Effect for Energy-Efficient Hydrogen Production at Neutral pH. *ACS Energy Letters*, **2019**, 4, 1412-1418	20.1	64
661	Improved removal capacity of magnetite for Cr(VI) by electrochemical reduction. *Journal of Hazardous Materials*, **2019**, 374, 26-34	12.8	64
660	Activated-carbon-supported K□Co□Mo catalysts for synthesis of higher alcohols from syngas. *Catalysis Science and Technology*, **2015**, 5, 2925-2934	5.5	64
659	Bimetallic nickel-molybdenum/tungsten nanoalloys for high-efficiency hydrogen oxidation catalysis in alkaline electrolytes. *Nature Communications*, **2020**, 11, 4789	17.4	63
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657	Highly Efficient Electroreduction of CO to C2+ Alcohols on Heterogeneous Dual Active Sites. *Angewandte Chemie - International Edition*, **2020**, 59, 16459-16464	16.4	61
656	LiSrCa(SiO):Eu: A Potential Temperature Sensor with Unique Optical Thermometric Properties. *ACS Applied Materials & Interfaces*, **2019**, 11, 9691-9695	9.5	61
655	Isolating contiguous Pt atoms and forming Pt-Zn intermetallic nanoparticles to regulate selectivity in 4-nitrophenylacetylene hydrogenation. *Nature Communications*, **2019**, 10, 3787	17.4	60
654	Molecular-Level Insight into Selective Catalytic Reduction of NOx with NH3 to N2 over a Highly Efficient Bifunctional Va-MnOx Catalyst at Low Temperature. *ACS Catalysis*, **2018**, 8, 4937-4949	13.1	59
653	Precisely Controlled Hydration Water for Performance Improvement of Organic□norganic Perovskite Solar Cells. *Advanced Functional Materials*, **2016**, 26, 5028-5034	15.6	59
652	Revealing the Intrinsic Peroxidase-Like Catalytic Mechanism of Heterogeneous Single-Atom Co-MoS. *Nano-Micro Letters*, **2019**, 11, 102	19.5	59
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650	Modulating Coordination Environment of Single-Atom Catalysts and Their Proximity to Photosensitive Units for Boosting MOF Photocatalysis. *Journal of the American Chemical Society*, **2021**, 143, 12220-12229	16.4	58
649	Regulating the Coordination Environment of MOF-Templated Single-Atom Nickel Electrocatalysts for Boosting CO2 Reduction. *Angewandte Chemie*, **2020**, 132, 2727-2731	3.6	57

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647	Sequential Synthesis and Active-Site Coordination Principle of Precious Metal Single-Atom Catalysts for Oxygen Reduction Reaction and PEM Fuel Cells. *Advanced Energy Materials*, **2020**, 10, 2000689	21.8	55
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644	A Single-Atom Nanozyme for Wound Disinfection Applications. *Angewandte Chemie*, **2019**, 131, 4965-4970	3.6	53
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