

Lecheng Lei

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4536352/lecheng-lei-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

110
papers

3,982
citations

36
h-index

60
g-index

121
ext. papers

5,571
ext. citations

10.6
avg, IF

5.93
L-index

#	Paper	IF	Citations
110	Local Spin-state Tuning of Iron Single-Atom Electrocatalyst by S-coordinated Doping for Kinetics-boosted Ammonia Synthesis.. <i>Advanced Materials</i> , 2022 , e2202240	24	10
109	Atomically Dispersed Zinc(I) Active Sites to Accelerate Nitrogen Reduction Kinetics for Ammonia Electrosynthesis. <i>Advanced Materials</i> , 2021 , e2103548	24	19
108	Promoting CO ₂ Electroreduction Kinetics on Atomically Dispersed Monovalent Zn(I) Sites by Rationally Engineering Proton-feeding Centers. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	7
107	Torsion strained iridium oxide for efficient acidic water oxidation in proton exchange membrane electrolyzers. <i>Nature Nanotechnology</i> , 2021 ,	28.7	21
106	Constructing Cationic Metal-Organic Framework Materials Based on Pyrimidyl as a Functional Group for Perrhenate/Perchnetate Sorption. <i>Inorganic Chemistry</i> , 2021 , 60, 16420-16428	5.1	2
105	Neodymium-Doped IrO ₂ Electrocatalysts Supported on Titanium Plates for Enhanced Chlorine Evolution Reaction Performance. <i>ChemElectroChem</i> , 2021 , 8, 1204-1210	4.3	6
104	Boosting Electroreduction Kinetics of Nitrogen to Ammonia via Tuning Electron Distribution of Single-Atomic Iron Sites. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9078-9085	16.4	60
103	Proton Capture Strategy for Enhancing Electrochemical CO ₂ Reduction on Atomically Dispersed Metal-Nitrogen Active Sites**. <i>Angewandte Chemie</i> , 2021 , 133, 12066-12072	3.6	8
102	Alternating current enhanced bioremediation of petroleum hydrocarbon-contaminated soils. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 47562-47573	5.1	0
101	Proton Capture Strategy for Enhancing Electrochemical CO Reduction on Atomically Dispersed Metal-Nitrogen Active Sites*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11959-11965	16.4	57
100	Bioelectrochemical sulfate reduction enhanced nitrogen removal from industrial wastewater containing ammonia and sulfate. <i>AIChE Journal</i> , 2021 , 67, e17309	3.6	2
99	Bioanode-driven CO ₂ electroreduction in a redox-medium-assisted system with high energy efficiency. <i>AIChE Journal</i> , 2021 , 67, e17283	3.6	0
98	Comparative Investigation into the Complexation and Extraction Properties of Tridentate and Tetridentate Phosphine Oxide-Functionalized 1,10-Phenanthroline Ligands toward Lanthanides and Actinides. <i>Chemistry - A European Journal</i> , 2021 , 27, 10717-10730	4.8	6
97	Selective Dissolution and Separation of Rare Earths Using Guanidine-Based Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8507-8514	8.3	2
96	Deciphering Single-Bacterium Adhesion Behavior Modulated by Extracellular Electron Transfer. <i>Nano Letters</i> , 2021 , 21, 5105-5115	11.5	0
95	Influence of a N-Heterocyclic Core on the Binding Capability of N,O-Hybrid Diamide Ligands toward Trivalent Lanthanides and Actinides. <i>Inorganic Chemistry</i> , 2021 , 60, 8754-8764	5.1	10
94	Graphene-modified graphite paper cathode for the efficient bioelectrochemical removal of chromium. <i>Chemical Engineering Journal</i> , 2021 , 405, 126545-126545	14.7	6

93	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4192-4198	16.4	75
92	Elucidation of the Synergistic Effect of Dopants and Vacancies on Promoted Selectivity for CO Electroreduction to Formate. <i>Advanced Materials</i> , 2021 , 33, e2005113	24	41
91	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO ₂ Reduction. <i>Angewandte Chemie</i> , 2021 , 133, 4238-4244	3.6	10
90	Efficient mineralization of sulfanilamide over oxygen vacancy-rich NiFe-LDH nanosheets array during electro-fenton process. <i>Chemosphere</i> , 2021 , 268, 129272	8.4	10
89	Unfolding the Extraction and Complexation Behaviors of Trivalent f-Block Elements by a Tetradentate N,O-Hybrid Phenanthroline Derived Phosphine Oxide Ligand. <i>Inorganic Chemistry</i> , 2021 , 60, 2805-2815	5.1	10
88	Recent progress and perspective of electrochemical CO ₂ reduction towards C ₂ -C ₅ products over non-precious metal heterogeneous electrocatalysts. <i>Nano Research</i> , 2021 , 14, 3188-3207	10	25
87	Highly Boosted Reaction Kinetics in Carbon Dioxide Electroreduction by Surface-Introduced Electronegative Dopants. <i>Advanced Functional Materials</i> , 2021 , 31, 2008146	15.6	38
86	Unveiling the Uncommon Fluorescent Recognition Mechanism towards Perchnetate Using a Cationic Metal-Organic Framework Bearing N-Heterocyclic AIE Molecules. <i>Chemistry - A European Journal</i> , 2021 , 27, 5632-5637	4.8	7
85	Hierarchical Cross-Linked Carbon Aerogels with Transition Metal-Nitrogen Sites for Highly Efficient Industrial-Level CO ₂ Electroreduction. <i>Advanced Functional Materials</i> , 2021 , 31, 2104377	15.6	20
84	Synergistic Effect of Atomically Dispersed Ni-Zn Pair Sites for Enhanced CO Electroreduction. <i>Advanced Materials</i> , 2021 , 33, e2102212	24	33
83	Comprehensive comparison of bismuth and silver functionalized nickel foam composites in capturing radioactive gaseous iodine. <i>Journal of Hazardous Materials</i> , 2021 , 417, 125978	12.8	9
82	A Superaerophobic Bimetallic Selenides Heterostructure for Efficient Industrial-Level Oxygen Evolution at Ultra-High Current Densities. <i>Nano-Micro Letters</i> , 2020 , 12, 104	19.5	56
81	A Universal Principle to Accurately Synthesize Atomically Dispersed Metal-N Sites for CO Electroreduction. <i>Nano-Micro Letters</i> , 2020 , 12, 108	19.5	30
80	Highly Effective Electrochemical Exfoliation of Ultrathin Tantalum Disulfide Nanosheets for Energy-Efficient Hydrogen Evolution Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24675-24682	9.5	15
79	Gas Diffusion Strategy for Inserting Atomic Iron Sites into Graphitized Carbon Supports for Unusually High-Efficient CO Electroreduction and High-Performance Zn-CO Batteries. <i>Advanced Materials</i> , 2020 , 32, e2002430	24	80
78	High-Performance Metal-Free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid. <i>Advanced Functional Materials</i> , 2020 , 30, 2003000	15.6	22
77	Nanoconfined Tin Oxide within N-Doped Nanocarbon Supported on Electrochemically Exfoliated Graphene for Efficient Electroreduction of CO to Formate and C ₁ Products. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16178-16185	9.5	27
76	Ultrathin tin monosulfide nanosheets with the exposed (001) plane for efficient electrocatalytic conversion of CO into formate. <i>Chemical Science</i> , 2020 , 11, 3952-3958	9.4	34

75	Unraveling the complexation mechanism of actinide(III) and lanthanide(III) with a new tetradentate phenanthroline-derived phosphonate ligand. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1726-1740	6.8	23
74	Strongly coupling of amorphous/crystalline reduced FeOOH/Ni(OH) heterostructure for extremely efficient water oxidation at ultra-high current density. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 340-346	9.3	16
73	Improvement of H ₂ O ₂ Utilization by the Persistent Heterogeneous Fenton Reaction with the Fe ₃ O ₄ -Zeolite-Cyclodextrin Composite. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 2192-2202	3.9	6
72	Degradation of contaminants of emerging concern by UV/HO for water reuse: Kinetics, mechanisms, and cytotoxicity analysis. <i>Water Research</i> , 2020 , 174, 115587	12.5	36
71	Synthesis of high-entropy alloy nanoparticles on supports by the fast moving bed pyrolysis. <i>Nature Communications</i> , 2020 , 11, 2016	17.4	61
70	Atomically Defined Undercoordinated Active Sites for Highly Efficient CO ₂ Electroreduction. <i>Advanced Functional Materials</i> , 2020 , 30, 1907658	15.6	115
69	Au ₁ Co ₁ Alloy Supported on Graphene Oxide with Enhanced Performance for Ambient Electrolysis of Nitrogen to Ammonia. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 44-49	8.3	20
68	Dopants fixation of Ruthenium for boosting acidic oxygen evolution stability and activity. <i>Nature Communications</i> , 2020 , 11, 5368	17.4	68
67	Efficient Recovery of End-of-Life NdFeB Permanent Magnets by Selective Leaching with Deep Eutectic Solvents. <i>Environmental Science & Technology</i> , 2020 , 54, 10370-10379	10.3	18
66	Effect of Counteranions on the Extraction and Complexation of Trivalent Lanthanides with Tetradentate Phenanthroline-Derived Phosphonate Ligands. <i>Inorganic Chemistry</i> , 2020 , 59, 17453-17463	5.1	14
65	Direct CO Capture from Air via Crystallization with a Trichelating Iminoguanidine Ligand. <i>ACS Omega</i> , 2020 , 5, 20428-20437	3.9	5
64	Ce-Doped IrO Electro catalysts with Enhanced Performance for Water Oxidation in Acidic Media. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37006-37012	9.5	14
63	Controllably Engineering Mesoporous Surface and Dimensionality of SnO ₂ toward High-Performance CO ₂ Electroreduction. <i>Advanced Functional Materials</i> , 2020 , 30, 2002092	15.6	44
62	Acidic Electrolytes: High-Performance Metal-Free Nanosheets Array Electro catalyst for Oxygen Evolution Reaction in Acid (Adv. Funct. Mater. 31/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070210	15.6	1
61	Removal of acenaphthene from wastewater by sp. in anaerobic conditions: the effects of extra and intracellular substances. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 1298-1306	2.6	2
60	Nanocarbon-Enhanced 2D Photoelectrodes: A New Paradigm in Photoelectrochemical Water Splitting. <i>Nano-Micro Letters</i> , 2020 , 13, 24	19.5	28
59	A strongly coupled 3D ternary Fe ₂ O ₃ @Ni ₂ P/Ni(PO ₃) ₂ hybrid for enhanced electrocatalytic oxygen evolution at ultra-high current densities. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 965-971	13	123
58	Electrochemical exfoliation of ultrathin ternary molybdenum sulfoselenide nanosheets to boost the energy-efficient hydrogen evolution reaction. <i>Nanoscale</i> , 2019 , 11, 16200-16207	7.7	18

57	ZIF-Derived Carbon Nanoarchitecture as a Bifunctional pH-Universal Electrocatalyst for Energy-Efficient Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 10044-10051	8.3	40
56	Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO ₂ Reduction and Hydrogen Evolution. <i>Small Methods</i> , 2019 , 3, 1900210	12.8	105
55	NiCoMo Hydroxide Nanosheet Arrays Synthesized via Chloride Corrosion for Overall Water Splitting. <i>ACS Energy Letters</i> , 2019 , 4, 952-959	20.1	152
54	Scalable Production of Few-Layer Niobium Disulfide Nanosheets via Electrochemical Exfoliation for Energy-Efficient Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13205-13213	8.5	38
53	Zeolitic Imidazolate Framework-Derived Core-Shell-Structured CoS ₂ /CoS ₂ -N-C Supported on Electrochemically Exfoliated Graphene Foil for Efficient Oxygen Evolution. <i>Batteries and Supercaps</i> , 2019 , 2, 348-354	5.6	19
52	Atomically dispersed nickel-nitrogen-sulfur species anchored on porous carbon nanosheets for efficient water oxidation. <i>Nature Communications</i> , 2019 , 10, 1392	17.4	280
51	In Situ Growth of Nitrogen-Doped Carbon-Coated Fe ₂ O ₃ Nanoparticles on Carbon Fabric for Electrochemical N ₂ Fixation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8853-8859	8.3	41
50	Kinetics and mechanism of low-concentration CO ₂ adsorption on solid amine in a humid confined space. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 697-701	2.3	2
49	Efficient alkaline hydrogen evolution on atomically dispersed Ni ₉ N ₁ Species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics. <i>Energy and Environmental Science</i> , 2019 , 12, 149-156	35.4	299
48	In Situ Synthesis of Ternary NiCoRu-Based Layered Double Hydroxide by Chlorine Corrosion toward Electrocatalytic Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14361-14367	8.3	20
47	Nitrogen-Doped Carbon-Encased Bimetallic Selenide for High-Performance Water Electrolysis. <i>Nano-Micro Letters</i> , 2019 , 11, 67	19.5	44
46	Synthesis of NiCo Alloy Nanoparticle-Decorated B,N-Doped Carbon Nanosheet Networks via a Self-Template Strategy for Bifunctional Oxygen-Involving Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14394-14399	8.3	11
45	Strongly Coupled 3D N-Doped MoO/NiS Hybrid for High Current Density Hydrogen Evolution Electrocatalysis and Biomass Upgrading. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27743-27750	9.5	52
44	Deactivation Kinetics of Polyethylenimine-based Adsorbents Used for the Capture of Low Concentration CO. <i>ACS Omega</i> , 2019 , 4, 11237-11244	3.9	1
43	Nanostructured Carbon Based Heterogeneous Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media. <i>ChemCatChem</i> , 2019 , 11, 5855-5874	5.2	49
42	Single Atom Electrocatalysts: Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO ₂ Reduction and Hydrogen Evolution (Small Methods 10/2019). <i>Small Methods</i> , 2019 , 3, 1970033	12.8	3
41	Boron and nitrogen co-doped porous carbon nanofibers as metal-free electrocatalysts for highly efficient ammonia electrosynthesis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26272-26278	13	40
40	Emerging nanostructured carbon-based non-precious metal electrocatalysts for selective electrochemical CO ₂ reduction to CO. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25191-25202	13	57

39	Hydrogen-Mediated Electron Transfer in Hybrid Microbial/Inorganic Systems and Application in Energy and the Environment. <i>Energy Technology</i> , 2019 , 7, 1800987	3.5	12
38	Nitrogen Vacancy Structure Driven Photoelectrocatalytic Degradation of 4-Chlorophenol Using Porous Graphitic Carbon Nitride Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6497-6506	8.3	49
37	Highly Selective Electrochemical Conversion of CO ₂ to HCOOH on Dendritic Indium Foams. <i>ChemElectroChem</i> , 2018 , 5, 215-215	4.3	1
36	Porous Cobalt Oxynitride Nanosheets for Efficient Electrocatalytic Water Oxidation. <i>ChemSusChem</i> , 2018 , 11, 1479-1485	8.3	24
35	Fe ²⁺ /N ₄ Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium. <i>Advanced Energy Materials</i> , 2018 , 8, 1801912	21.8	149
34	3D Edge-Enriched Fe C@C Nanocrystals with a Core-Shell Structure Grown on Reduced Graphene Oxide Networks for Efficient Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2018 , 11, 3292-3298	8.3	21
33	Electrochemical activation of sulfate by BDD anode in basic medium for efficient removal of organic pollutants. <i>Chemosphere</i> , 2018 , 210, 516-523	8.4	68
32	Metal Organic Framework Derived Fe-Doped CoSe ₂ Incorporated in Nitrogen-Doped Carbon Hybrid for Efficient Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8672-8678	8.3	40
31	Highly Selective Electrochemical Conversion of CO ₂ to HCOOH on Dendritic Indium Foams. <i>ChemElectroChem</i> , 2018 , 5, 253-259	4.3	57
30	Nanostructured Ternary Metal Tungstate-Based Photocatalysts for Environmental Purification and Solar Water Splitting: A Review. <i>Nano-Micro Letters</i> , 2018 , 10, 69	19.5	110
29	Efficient Electrocatalytic Oxygen Evolution at Extremely High Current Density over 3D Ultrasmall Zero-Valent Iron-Coupled Nickel Sulfide Nanosheets. <i>ChemElectroChem</i> , 2018 , 5, 3866-3872	4.3	37
28	Oxygen Evolution: Fe ²⁺ /N ₄ Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium (Adv. Energy Mater. 26/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870119	21.8	2
27	An ultrathin cobalt-based zeolitic imidazolate framework nanosheet array with a strong synergistic effect towards the efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18877-18883	13.883	65
26	Embedding Co ₂ P Nanoparticles in N-Doped Carbon Nanotubes Grown on Porous Carbon Polyhedra for High-Performance Lithium-Ion Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13019-13025	3.9	18
25	Water Splitting-Biosynthetic Hybrid System for CO Conversion using Nickel Nanoparticles Embedded in N-Doped Carbon Nanotubes. <i>ChemSusChem</i> , 2018 , 11, 2382-2387	8.3	24
24	Bacteria-templated fabrication of a charge heterogeneous polymeric interface for highly specific bacterial recognition. <i>Chemical Communications</i> , 2017 , 53, 2319-2322	5.8	20
23	Amorphous Cobalt/Iron Hydroxide Nanosheet Electrocatalyst for Efficient Electrochemical and Photo-Electrochemical Oxygen Evolution. <i>Advanced Functional Materials</i> , 2017 , 27, 1603904	15.6	204
22	Prediction of Setschenow constants of N-heteroaromatics in NaCl solutions based on the partial charge on the heterocyclic nitrogen atom. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 3399-405	5.1	2

21	Preferential adsorption of pentachlorophenol from chlorophenols-containing wastewater using N-doped ordered mesoporous carbon. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 1482-91	5.1	12
20	In situ monitoring of <i>Shewanella oneidensis</i> MR-1 biofilm growth on gold electrodes by using a Pt microelectrode. <i>Bioelectrochemistry</i> , 2016 , 109, 95-100	5.6	7
19	A p-Si/NiCoSex core/shell nanopillar array photocathode for enhanced photoelectrochemical hydrogen production. <i>Energy and Environmental Science</i> , 2016 , 9, 3113-3119	35.4	142
18	Measurement and ANN prediction of pH-dependent solubility of nitrogen-heterocyclic compounds. <i>Chemosphere</i> , 2015 , 134, 402-7	8.4	10
17	Synthesis of supported vertical NiS ₂ nanosheets for hydrogen evolution reaction in acidic and alkaline solution. <i>RSC Advances</i> , 2015 , 5, 32976-32982	3.7	89
16	Mn/Ti-doped carbon xerogel for efficient catalysis of microcystin-LR degradation in the water surface discharge plasma reactor. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 17202-8	5.1	8
15	N-doped carbon xerogels as adsorbents for the removal of heavy metal ions from aqueous solution. <i>RSC Advances</i> , 2015 , 5, 7182-7191	3.7	30
14	Pretreated multiwalled carbon nanotube adsorbents with amine-grafting for removal of carbon dioxide in confined spaces. <i>RSC Advances</i> , 2014 , 4, 56224-56234	3.7	17
13	ON/OFF states of a microbial fuel cell controlled by an optical switching system. <i>RSC Advances</i> , 2014 , 4, 27277-27280	3.7	19
12	Polychlorinated Biphenyls in the Centralized Wastewater Treatment Plant in a Chemical Industry Zone: Source, Distribution, and Removal. <i>Journal of Chemistry</i> , 2014 , 2014, 1-10	2.3	13
11	Improvement of Atmospheric Water Surface Discharge with Water Resistive Barrier. <i>Plasma Chemistry and Plasma Processing</i> , 2013 , 33, 691-705	3.6	6
10	Deep Desulfurization of Fuels by Extraction with 4-Dimethylaminopyridinium-Based Ionic Liquids. <i>Energy & Fuels</i> , 2013 , 27, 4617-4623	4.1	34
9	Study on the Relationship between Absorbed S(IV) and pH in the Seawater Flue Gas Desulfurization Process. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 4478-4484	3.9	11
8	Polycyclic aromatic hydrocarbons in the centralized wastewater treatment plant of a chemical industry zone: Removal, mass balance and source analysis. <i>Science China Chemistry</i> , 2012 , 55, 416-425	7.9	14
7	Preparation of TiO ₂ /ITO film electrode by AP-MOCVD for photoelectrocatalytic application. <i>Science China Chemistry</i> , 2012 , 55, 2462-2470	7.9	5
6	Recent Advances in Manifold Exfoliated Synthesis of Two-Dimensional Non-precious Metal-Based Nanosheet Electrocatalysts for Water Splitting. <i>Small Structures</i> , 2100153	8.7	6
5	Accelerated Water Dissociation Kinetics By Electron-Enriched Cobalt Sites for Efficient Alkaline Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2109556	15.6	6
4	Promoting CO ₂ Electroreduction Kinetics on Atomically Dispersed Monovalent Zn(I) Sites by Rationally Engineering Proton-feeding Centers. <i>Angewandte Chemie</i> ,	3.6	2

3	A New Strategy for Accelerating Dynamic Proton Transfer of Electrochemical CO ₂ Reduction at High Current Densities. <i>Advanced Functional Materials</i> ,2104243	15.6	7
2	Highly active ruthenium site stabilized by modulating electron-feeding for sustainable acidic oxygen-evolution electrocatalysis. <i>Energy and Environmental Science</i> ,	35.4	8
1	Rational design on photoelectrodes and devices to boost photoelectrochemical performance of solar-driven water splitting: a mini review. <i>Frontiers of Chemical Science and Engineering</i> ,	4.5	0