

# Lecheng Lei

## List of Publications by Citations

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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.

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	Efficient alkaline hydrogen evolution on atomically dispersed Ni <sub>n</sub> species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 149-156	35.4	299
109	Atomically dispersed nickel-nitrogen-sulfur species anchored on porous carbon nanosheets for efficient water oxidation. <i>Nature Communications</i> , <b>2019</b> , 10, 1392	17.4	280
108	Amorphous Cobalt-Iron Hydroxide Nanosheet Electrocatalyst for Efficient Electrochemical and Photo-Electrochemical Oxygen Evolution. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1603904	15.6	204
107	NiCoMo Hydroxide Nanosheet Arrays Synthesized via Chloride Corrosion for Overall Water Splitting. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 952-959	20.1	152
106	Fe <sub>2</sub> N <sub>4</sub> Sites Embedded into Carbon Nanofiber Integrated with Electrochemically Exfoliated Graphene for Oxygen Evolution in Acidic Medium. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801912	21.8	149
105	A p-Si/NiCoSex core/shell nanopillar array photocathode for enhanced photoelectrochemical hydrogen production. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3113-3119	35.4	142
104	A strongly coupled 3D ternary Fe <sub>2</sub> O <sub>3</sub> @Ni <sub>2</sub> P/Ni(PO <sub>3</sub> ) <sub>2</sub> hybrid for enhanced electrocatalytic oxygen evolution at ultra-high current densities. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 965-971	13	123
103	Atomically Defined Undercoordinated Active Sites for Highly Efficient CO <sub>2</sub> Electroreduction. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907658	15.6	115
102	Nanostructured Ternary Metal Tungstate-Based Photocatalysts for Environmental Purification and Solar Water Splitting: A Review. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 69	19.5	110
101	Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO <sub>2</sub> Reduction and Hydrogen Evolution. <i>Small Methods</i> , <b>2019</b> , 3, 1900210	12.8	105
100	Synthesis of supported vertical NiS <sub>2</sub> nanosheets for hydrogen evolution reaction in acidic and alkaline solution. <i>RSC Advances</i> , <b>2015</b> , 5, 32976-32982	3.7	89
99	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> , <b>2020</b> , 32, e2002430	24	80
98	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 4192-4198	16.4	75
97	Electrochemical activation of sulfate by BDD anode in basic medium for efficient removal of organic pollutants. <i>Chemosphere</i> , <b>2018</b> , 210, 516-523	8.4	68
96	Dopants fixation of Ruthenium for boosting acidic oxygen evolution stability and activity. <i>Nature Communications</i> , <b>2020</b> , 11, 5368	17.4	68
95	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> , <b>2018</b> , 6, 18877-18883	13.8	65
94	Synthesis of high-entropy alloy nanoparticles on supports by the fast moving bed pyrolysis. <i>Nature Communications</i> , <b>2020</b> , 11, 2016	17.4	61

93	Boosting Electroreduction Kinetics of Nitrogen to Ammonia via Tuning Electron Distribution of Single-Atomic Iron Sites. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9078-9085	16.4	60
92	Proton Capture Strategy for Enhancing Electrochemical CO Reduction on Atomically Dispersed Metal-Nitrogen Active Sites*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11959-11965	16.4	57
91	Emerging nanostructured carbon-based non-precious metal electrocatalysts for selective electrochemical CO <sub>2</sub> reduction to CO. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25191-25202	13	57
90	Highly Selective Electrochemical Conversion of CO <sub>2</sub> to HCOOH on Dendritic Indium Foams. <i>ChemElectroChem</i> , <b>2018</b> , 5, 253-259	4.3	57
89	A Superaerophobic Bimetallic Selenides Heterostructure for Efficient Industrial-Level Oxygen Evolution at Ultra-High Current Densities. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 104	19.5	56
88	Strongly Coupled 3D N-Doped MoO/NiS Hybrid for High Current Density Hydrogen Evolution Electrocatalysis and Biomass Upgrading. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 27743-27750	9.5	52
87	Nitrogen Vacancy Structure Driven Photoelectrocatalytic Degradation of 4-Chlorophenol Using Porous Graphitic Carbon Nitride Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6497-6506	8.3	49
86	Nanostructured Carbon Based Heterogeneous Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media. <i>ChemCatChem</i> , <b>2019</b> , 11, 5855-5874	5.2	49
85	Nitrogen-Doped Carbon-Encased Bimetallic Selenide for High-Performance Water Electrolysis. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 67	19.5	44
84	Controllably Engineering Mesoporous Surface and Dimensionality of SnO <sub>2</sub> toward High-Performance CO <sub>2</sub> Electroreduction. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002092	15.6	44
83	In Situ Growth of Nitrogen-Doped Carbon-Coated Fe <sub>2</sub> O <sub>3</sub> Nanoparticles on Carbon Fabric for Electrochemical N <sub>2</sub> Fixation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8853-8859	8.3	41
82	Elucidation of the Synergistic Effect of Dopants and Vacancies on Promoted Selectivity for CO Electroreduction to Formate. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005113	24	41
81	ZIF-Derived Carbon Nanoarchitecture as a Bifunctional pH-Universal Electrocatalyst for Energy-Efficient Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 10044-10051	8.3	40
80	Metal Organic Framework Derived Fe-Doped CoSe <sub>2</sub> Incorporated in Nitrogen-Doped Carbon Hybrid for Efficient Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8672-8678	8.3	40
79	Boron and nitrogen co-doped porous carbon nanofibers as metal-free electrocatalysts for highly efficient ammonia electrosynthesis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26272-26278	13	40
78	Scalable Production of Few-Layer Niobium Disulfide Nanosheets via Electrochemical Exfoliation for Energy-Efficient Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13205-13213	9.5	38
77	Highly Boosted Reaction Kinetics in Carbon Dioxide Electroreduction by Surface-Introduced Electronegative Dopants. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008146	15.6	38
76	Efficient Electrocatalytic Oxygen Evolution at Extremely High Current Density over 3D Ultrasmall Zero-Valent Iron-Coupled Nickel Sulfide Nanosheets. <i>ChemElectroChem</i> , <b>2018</b> , 5, 3866-3872	4.3	37

75	Degradation of contaminants of emerging concern by UV/HO for water reuse: Kinetics, mechanisms, and cytotoxicity analysis. <i>Water Research</i> , <b>2020</b> , 174, 115587	12.5	36
74	Ultrathin tin monosulfide nanosheets with the exposed (001) plane for efficient electrocatalytic conversion of CO into formate. <i>Chemical Science</i> , <b>2020</b> , 11, 3952-3958	9.4	34
73	Deep Desulfurization of Fuels by Extraction with 4-Dimethylaminopyridinium-Based Ionic Liquids. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 4617-4623	4.1	34
72	Synergistic Effect of Atomically Dispersed Ni-Zn Pair Sites for Enhanced CO Electroreduction. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102212	24	33
71	N-doped carbon xerogels as adsorbents for the removal of heavy metal ions from aqueous solution. <i>RSC Advances</i> , <b>2015</b> , 5, 7182-7191	3.7	30
70	A Universal Principle to Accurately Synthesize Atomically Dispersed Metal-N Sites for CO Electroreduction. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 108	19.5	30
69	Nanocarbon-Enhanced 2D Photoelectrodes: A New Paradigm in Photoelectrochemical Water Splitting. <i>Nano-Micro Letters</i> , <b>2020</b> , 13, 24	19.5	28
68	Nanoconfined Tin Oxide within N-Doped Nanocarbon Supported on Electrochemically Exfoliated Graphene for Efficient Electroreduction of CO to Formate and C1 Products. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 16178-16185	9.5	27
67	Recent progress and perspective of electrochemical CO <sub>2</sub> reduction towards C <sub>2</sub> -C <sub>5</sub> products over non-precious metal heterogeneous electrocatalysts. <i>Nano Research</i> , <b>2021</b> , 14, 3188-3207	10	25
66	Porous Cobalt Oxynitride Nanosheets for Efficient Electrocatalytic Water Oxidation. <i>ChemSusChem</i> , <b>2018</b> , 11, 1479-1485	8.3	24
65	Water Splitting-Biosynthetic Hybrid System for CO Conversion using Nickel Nanoparticles Embedded in N-Doped Carbon Nanotubes. <i>ChemSusChem</i> , <b>2018</b> , 11, 2382-2387	8.3	24
64	Unraveling the complexation mechanism of actinide(III) and lanthanide(III) with a new tetradentate phenanthroline-derived phosphonate ligand. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1726-1740	6.8	23
63	High-Performance Metal-Free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003000	15.6	22
62	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> , <b>2018</b> , 11, 3292-3298	8.3	21
61	Torsion strained iridium oxide for efficient acidic water oxidation in proton exchange membrane electrolyzers. <i>Nature Nanotechnology</i> , <b>2021</b> ,	28.7	21
60	Bacteria-templated fabrication of a charge heterogeneous polymeric interface for highly specific bacterial recognition. <i>Chemical Communications</i> , <b>2017</b> , 53, 2319-2322	5.8	20
59	In Situ Synthesis of Ternary NiCoRu-Based Layered Double Hydroxide by Chlorine Corrosion toward Electrocatalytic Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14361-14367	8.3	20
58	Au <sub>1</sub> Co <sub>1</sub> Alloy Supported on Graphene Oxide with Enhanced Performance for Ambient Electrolysis of Nitrogen to Ammonia. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 44-49	8.3	20

57	Hierarchical Cross-Linked Carbon Aerogels with Transition Metal-Nitrogen Sites for Highly Efficient Industrial-Level CO <sub>2</sub> Electroreduction. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104377	15.6	20
56	Zeolitic Imidazolate Framework-Derived Core-Shell-Structured CoS <sub>2</sub> /CoS <sub>2</sub> -N-C Supported on Electrochemically Exfoliated Graphene Foil for Efficient Oxygen Evolution. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 348-354	5.6	19
55	ON/OFF states of a microbial fuel cell controlled by an optical switching system. <i>RSC Advances</i> , <b>2014</b> , 4, 27277-27280	3.7	19
54	Atomically Dispersed Zinc(I) Active Sites to Accelerate Nitrogen Reduction Kinetics for Ammonia Electrosynthesis. <i>Advanced Materials</i> , <b>2021</b> , e2103548	24	19
53	Electrochemical exfoliation of ultrathin ternary molybdenum sulfoselenide nanosheets to boost the energy-efficient hydrogen evolution reaction. <i>Nanoscale</i> , <b>2019</b> , 11, 16200-16207	7.7	18
52	Efficient Recovery of End-of-Life NdFeB Permanent Magnets by Selective Leaching with Deep Eutectic Solvents. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 10370-10379	10.3	18
51	Embedding Co <sub>2</sub> P Nanoparticles in N-Doped Carbon Nanotubes Grown on Porous Carbon Polyhedra for High-Performance Lithium-Ion Batteries. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 13019-13025	3.9	18
50	Pretreated multiwalled carbon nanotube adsorbents with amine-grafting for removal of carbon dioxide in confined spaces. <i>RSC Advances</i> , <b>2014</b> , 4, 56224-56234	3.7	17
49	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> , <b>2020</b> , 579, 340-346	9.3	16
48	Highly Effective Electrochemical Exfoliation of Ultrathin Tantalum Disulfide Nanosheets for Energy-Efficient Hydrogen Evolution Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 24675-24682	9.5	15
47	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> , <b>2012</b> , 55, 416-425	7.9	14
46	Effect of Counteranions on the Extraction and Complexation of Trivalent Lanthanides with Tetradentate Phenanthroline-Derived Phosphonate Ligands. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 17453-17463 <sup>5.1</sup>		14
45	Ce-Doped IrO <sub>2</sub> Electrocatalysts with Enhanced Performance for Water Oxidation in Acidic Media. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 37006-37012	9.5	14
44	Polychlorinated Biphenyls in the Centralized Wastewater Treatment Plant in a Chemical Industry Zone: Source, Distribution, and Removal. <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-10	2.3	13
43	Preferential adsorption of pentachlorophenol from chlorophenols-containing wastewater using N-doped ordered mesoporous carbon. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 1482-91	5.1	12
42	Hydrogen-Mediated Electron Transfer in Hybrid Microbial/Inorganic Systems and Application in Energy and the Environment. <i>Energy Technology</i> , <b>2019</b> , 7, 1800987	3.5	12
41	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> , <b>2019</b> , 7, 14394-14399	8.3	11
40	Study on the Relationship between Absorbed S(IV) and pH in the Seawater Flue Gas Desulfurization Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 4478-4484	3.9	11

39	Measurement and ANN prediction of pH-dependent solubility of nitrogen-heterocyclic compounds. <i>Chemosphere</i> , <b>2015</b> , 134, 402-7	8.4	10
38	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> , <b>2021</b> , 60, 8754-8764	5.1	10
37	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 4238-4244	3.6	10
36	Efficient mineralization of sulfanilamide over oxygen vacancy-rich NiFe-LDH nanosheets array during electro-fenton process. <i>Chemosphere</i> , <b>2021</b> , 268, 129272	8.4	10
35	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> , <b>2021</b> , 60, 2805-2815	5.1	10
34	Local Spin-state Tuning of Iron Single-Atom Electrocatalyst by S-coordinated Doping for Kinetics-boosted Ammonia Synthesis.. <i>Advanced Materials</i> , <b>2022</b> , e2202240	24	10
33	Comprehensive comparison of bismuth and silver functionalized nickel foam composites in capturing radioactive gaseous iodine. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 417, 125978	12.8	9
32	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> , <b>2015</b> , 22, 17202-8	5.1	8
31	Proton Capture Strategy for Enhancing Electrochemical CO <sub>2</sub> Reduction on Atomically Dispersed Metal-Nitrogen Active Sites**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 12066-12072	3.6	8
30	Highly active ruthenium site stabilized by modulating electron-feeding for sustainable acidic oxygen-evolution electrocatalysis. <i>Energy and Environmental Science</i> ,	35.4	8
29	Promoting CO <sub>2</sub> Electroreduction Kinetics on Atomically Dispersed Monovalent Zn(I) Sites by Rationally Engineering Proton-feeding Centers. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	7
28	In situ monitoring of <i>Shewanella oneidensis</i> MR-1 biofilm growth on gold electrodes by using a Pt microelectrode. <i>Bioelectrochemistry</i> , <b>2016</b> , 109, 95-100	5.6	7
27	Unveiling the Uncommon Fluorescent Recognition Mechanism towards Pertechnetate Using a Cationic Metal-Organic Framework Bearing N-Heterocyclic AIE Molecules. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 5632-5637	4.8	7
26	A New Strategy for Accelerating Dynamic Proton Transfer of Electrochemical CO <sub>2</sub> Reduction at High Current Densities. <i>Advanced Functional Materials</i> ,2104243	15.6	7
25	Improvement of H <sub>2</sub> O <sub>2</sub> Utilization by the Persistent Heterogeneous Fenton Reaction with the Fe <sub>3</sub> O <sub>4</sub> -Zeolite-Cyclodextrin Composite. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 2192-2202	3.9	6
24	Improvement of Atmospheric Water Surface Discharge with Water Resistive Barrier. <i>Plasma Chemistry and Plasma Processing</i> , <b>2013</b> , 33, 691-705	3.6	6
23	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
22	Accelerated Water Dissociation Kinetics By Electron-Enriched Cobalt Sites for Efficient Alkaline Hydrogen Evolution. <i>Advanced Functional Materials</i> ,2109556	15.6	6



21	Neodymium-Doped IrO <sub>2</sub> Electrocatalysts Supported on Titanium Plates for Enhanced Chlorine Evolution Reaction Performance. <i>ChemElectroChem</i> , <b>2021</b> , 8, 1204-1210	4.3	6
20	Comparative Investigation into the Complexation and Extraction Properties of Tridentate and Tetradentate Phosphine Oxide-Functionalized 1,10-Phenanthroline Ligands toward Lanthanides and Actinides. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 10717-10730	4.8	6
19	Graphene-modified graphite paper cathode for the efficient bioelectrochemical removal of chromium. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 126545-126545	14.7	6
18	Preparation of TiO <sub>2</sub> /ITO film electrode by AP-MOCVD for photoelectrocatalytic application. <i>Science China Chemistry</i> , <b>2012</b> , 55, 2462-2470	7.9	5
17	Direct CO Capture from Air via Crystallization with a Trichelating Iminoguanidine Ligand. <i>ACS Omega</i> , <b>2020</b> , 5, 20428-20437	3.9	5
16	Single Atom Electrocatalysts: Carbon-Rich Nonprecious Metal Single Atom Electrocatalysts for CO <sub>2</sub> Reduction and Hydrogen Evolution (Small Methods 10/2019). <i>Small Methods</i> , <b>2019</b> , 3, 1970033	12.8	3
15	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> , <b>2016</b> , 23, 3399-405	5.1	2
14	Kinetics and mechanism of low-concentration CO <sub>2</sub> adsorption on solid amine in a humid confined space. <i>Canadian Journal of Chemical Engineering</i> , <b>2019</b> , 97, 697-701	2.3	2
13	Promoting CO <sub>2</sub> Electroreduction Kinetics on Atomically Dispersed Monovalent Zn(I) Sites by Rationally Engineering Proton-feeding Centers. <i>Angewandte Chemie</i> ,	3.6	2
12	Constructing Cationic Metal-Organic Framework Materials Based on Pyrimidyl as a Functional Group for Perrhenate/Pertechnetate Sorption. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16420-16428	5.1	2
11	Bioelectrochemical sulfate reduction enhanced nitrogen removal from industrial wastewater containing ammonia and sulfate. <i>AIChE Journal</i> , <b>2021</b> , 67, e17309	3.6	2
10	Selective Dissolution and Separation of Rare Earths Using Guanidine-Based Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 8507-8514	8.3	2
9	Removal of acenaphthene from wastewater by sp. in anaerobic conditions: the effects of extra and intracellular substances. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 41, 1298-1306	2.6	2
8	Oxygen Evolution: Fe <sub>2</sub> N <sub>4</sub> 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> , <b>2018</b> , 8, 1870119	21.8	2
7	Highly Selective Electrochemical Conversion of CO <sub>2</sub> to HCOOH on Dendritic Indium Foams. <i>ChemElectroChem</i> , <b>2018</b> , 5, 215-215	4.3	1
6	Deactivation Kinetics of Polyethylenimine-based Adsorbents Used for the Capture of Low Concentration CO. <i>ACS Omega</i> , <b>2019</b> , 4, 11237-11244	3.9	1
5	Acidic Electrolytes: High-Performance Metal-Free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid (Adv. Funct. Mater. 31/2020). <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2070219	15.6	1
4	Alternating current enhanced bioremediation of petroleum hydrocarbon-contaminated soils. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 47562-47573	5.1	0

3	Bioanode-driven CO <sub>2</sub> electroreduction in a redox-medium-assisted system with high energy efficiency. <i>AIChE Journal</i> , <b>2021</b> , 67, e17283	3.6	○
2	Deciphering Single-Bacterium Adhesion Behavior Modulated by Extracellular Electron Transfer. <i>Nano Letters</i> , <b>2021</b> , 21, 5105-5115	11.5	○
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	○