

Liang Chen

List of Publications by Year in descending order

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182
papers

15,798
citations

18436

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186
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times ranked

17198
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards High-Voltage Aqueous Metal-Ion Batteries Beyond 1.5 V: The Zinc/Zinc Hexacyanoferrate System. <i>Advanced Energy Materials</i> , 2015, 5, 1400930.	10.2	932
2	Electrochemical Ammonia Synthesis via Nitrogen Reduction Reaction on a MoS ₂ Catalyst: Theoretical and Experimental Studies. <i>Advanced Materials</i> , 2018, 30, e1800191.	11.1	697
3	Ternary Fe _x Co _{1-x} P Nanowire Array as a Robust Hydrogen Evolution Reaction Electrocatalyst with Pt-like Activity: Experimental and Theoretical Insight. <i>Nano Letters</i> , 2016, 16, 6617-6621.	4.5	618
4	Enhanced Electrocatalysis for Energy-Efficient Hydrogen Production over CoP Catalyst with Nonelectroactive Zn as a Promoter. <i>Advanced Energy Materials</i> , 2017, 7, 1700020.	10.2	519
5	Boosted Electrocatalytic N ₂ Reduction to NH ₃ by Defect-Rich MoS ₂ Nanoflower. <i>Advanced Energy Materials</i> , 2018, 8, 1801357.	10.2	482
6	Mn Doping of CoP Nanosheets Array: An Efficient Electrocatalyst for Hydrogen Evolution Reaction with Enhanced Activity at All pH Values. <i>ACS Catalysis</i> , 2017, 7, 98-102.	5.5	461
7	Promotional Effect of Ce-doped V ₂ O ₅ -WO ₃ /TiO ₂ with Low Vanadium Loadings for Selective Catalytic Reduction of NO _x by NH ₃ . <i>Journal of Physical Chemistry C</i> , 2009, 113, 21177-21184.	1.5	430
8	Chromium-ruthenium oxide solid solution electrocatalyst for highly efficient oxygen evolution reaction in acidic media. <i>Nature Communications</i> , 2019, 10, 162.	5.8	396
9	Assembling Ultrasmall Copper-Doped Ruthenium Oxide Nanocrystals into Hollow Porous Polyhedra: Highly Robust Electrocatalysts for Oxygen Evolution in Acidic Media. <i>Advanced Materials</i> , 2018, 30, e1801351.	11.1	353
10	Self-Standing CoP Nanosheets Array: A Three-Dimensional Bifunctional Catalyst Electrode for Overall Water Splitting in both Neutral and Alkaline Media. <i>ChemElectroChem</i> , 2017, 4, 1840-1845.	1.7	345
11	Metal-Organic Frameworks for Carbon Dioxide Capture and Methane Storage. <i>Advanced Energy Materials</i> , 2017, 7, 1601296.	10.2	334
12	A review of reproductive toxicity of microcystins. <i>Journal of Hazardous Materials</i> , 2016, 301, 381-399.	6.5	280
13	High-Performance Electrohydrogenation of N ₂ to NH ₃ Catalyzed by Multishelled Hollow Cr ₂ O ₃ Microspheres under Ambient Conditions. <i>ACS Catalysis</i> , 2018, 8, 8540-8544.	5.5	280
14	Al-Doped CoP nanoarray: a durable water-splitting electrocatalyst with superhigh activity. <i>Nanoscale</i> , 2017, 9, 4793-4800.	2.8	268
15	Global geographical and historical overview of cyanotoxin distribution and cyanobacterial poisonings. <i>Archives of Toxicology</i> , 2019, 93, 2429-2481.	1.9	230
16	Recent progress in single-atom electrocatalysts: concept, synthesis, and applications in clean energy conversion. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14025-14042.	5.2	224
17	Theoretical Screening of Single Transition Metal Atoms Embedded in MXene Defects as Superior Electrocatalyst of Nitrogen Reduction Reaction. <i>Small Methods</i> , 2019, 3, 1900337.	4.6	213
18	Selective phosphidation: an effective strategy toward CoP/CeO ₂ interface engineering for superior alkaline hydrogen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1985-1990.	5.2	212

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19	Morphology-Dependent Electrochemical Performance of Zinc Hexacyanoferrate Cathode for Zinc-Ion Battery. <i>Scientific Reports</i> , 2015, 5, 18263.	1.6	211
20	Direct synthesis of amine-functionalized MIL-101(Cr) nanoparticles and application for CO ₂ capture. <i>RSC Advances</i> , 2012, 2, 6417.	1.7	209
21	Large-Sized Few-Layer Graphene Enables an Ultrafast and Long-Life Aluminum-Ion Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1700034.	10.2	197
22	In situ formation of a 3D core/shell structured Ni ₃ N@Ni-Bi nanosheet array: an efficient non-noble-metal bifunctional electrocatalyst toward full water splitting under near-neutral conditions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7806-7810.	5.2	196
23	Soybean miR172c Targets the Repressive AP2 Transcription Factor NNC1 to Activate <i>ENOD40</i> Expression and Regulate Nodule Initiation. <i>Plant Cell</i> , 2015, 26, 4782-4801.	3.1	188
24	MicroRNA167-Directed Regulation of the Auxin Response Factors <i>GmARF8a</i> and <i>GmARF8b</i> Is Required for Soybean Nodulation and Lateral Root Development. <i>Plant Physiology</i> , 2015, 168, 984-999.	2.3	183
25	Ultrafine Defective RuO ₂ Electrocatalyst Integrated on Carbon Cloth for Robust Water Oxidation in Acidic Media. <i>Advanced Energy Materials</i> , 2019, 9, 1901313.	10.2	182
26	Global transcriptome and gene regulation network for secondary metabolite biosynthesis of tea plant (<i>Camellia sinensis</i>). <i>BMC Genomics</i> , 2015, 16, 560.	1.2	174
27	Amine-functionalized metal-organic frameworks: structure, synthesis and applications. <i>RSC Advances</i> , 2016, 6, 32598-32614.	1.7	169
28	Fabricating Single-Atom Catalysts from Chelating Metal in Open Frameworks. <i>Advanced Materials</i> , 2019, 31, e1808193.	11.1	153
29	TRIM25 promotes the cell survival and growth of hepatocellular carcinoma through targeting Keap1-Nrf2 pathway. <i>Nature Communications</i> , 2020, 11, 348.	5.8	150
30	Self-supported CoMoS ₄ nanosheet array as an efficient catalyst for hydrogen evolution reaction at neutral pH. <i>Nano Research</i> , 2018, 11, 2024-2033.	5.8	147
31	A Ni(OH) ₂ @PtO ₂ hybrid nanosheet array with ultralow Pt loading toward efficient and durable alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1967-1970.	5.2	134
32	Hydrogen spillover in the context of hydrogen storage using solid-state materials. <i>Energy and Environmental Science</i> , 2008, 1, 338.	15.6	133
33	Ammonia Thermal Treatment toward Topological Defects in Porous Carbon for Enhanced Carbon Dioxide Electroreduction. <i>Advanced Materials</i> , 2020, 32, e2001300.	11.1	130
34	Hydrogen Absorption and Diffusion in Bulk δ -MoO ₃ . <i>Journal of Physical Chemistry C</i> , 2009, 113, 11399-11407.	1.5	126
35	A Co-Doped Nanorod-like RuO ₂ Electrocatalyst with Abundant Oxygen Vacancies for Acidic Water Oxidation. <i>IScience</i> , 2020, 23, 100756.	1.9	125
36	Hexagonal boron nitride nanosheet for effective ambient N ₂ fixation to NH ₃ . <i>Nano Research</i> , 2019, 12, 919-924.	5.8	120

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37	Facile synthesis of Fe-MOF/RGO and its application as a high performance anode in lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 30763-30768.	1.7	118
38	A self-supported NiMoS ₄ nanoarray as an efficient 3D cathode for the alkaline hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16585-16589.	5.2	114
39	Atomically dispersed Lewis acid sites boost 2-electron oxygen reduction activity of carbon-based catalysts. <i>Nature Communications</i> , 2020, 11, 5478.	5.8	114
40	Responses of the Proteome and Metabolome in Livers of Zebrafish Exposed Chronically to Environmentally Relevant Concentrations of Microcystin-LR. <i>Environmental Science & Technology</i> , 2017, 51, 596-607.	4.6	109
41	The Critical Role of Additive Sulfate for Stable Alkaline Seawater Oxidation on Nickel-Based Electrodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22740-22744.	7.2	108
42	On the Mechanisms of Hydrogen Spillover in MoO ₃ . <i>Journal of Physical Chemistry C</i> , 2008, 112, 1755-1758.	1.5	98
43	Challenges of using blooms of <i>Microcystis</i> spp. in animal feeds: A comprehensive review of nutritional, toxicological and microbial health evaluation. <i>Science of the Total Environment</i> , 2021, 764, 142319.	3.9	97
44	Bimetallic Nickel-Substituted Cobalt-Borate Nanowire Array: An Earth-Abundant Water Oxidation Electrocatalyst with Superior Activity and Durability at Near Neutral pH. <i>Small</i> , 2017, 13, 1700394.	5.2	95
45	Nanoscale MOF/organosilica membranes on tubular ceramic substrates for highly selective gas separation. <i>Energy and Environmental Science</i> , 2017, 10, 1812-1819.	15.6	95
46	Biochemical and transcriptomic analyses reveal different metabolite biosynthesis profiles among three color and developmental stages in 'Anji Baicha'™ (<i>Camellia sinensis</i>). <i>BMC Plant Biology</i> , 2016, 16, 195.	1.6	93
47	New-concept Batteries Based on Aqueous Li ⁺ /Na ⁺ Mixed-ion Electrolytes. <i>Scientific Reports</i> , 2013, 3, 1946.	1.6	91
48	Water-mediated cation intercalation of open-framework indium hexacyanoferrate with high voltage and fast kinetics. <i>Nature Communications</i> , 2016, 7, 11982.	5.8	90
49	Theoretical Investigation on the Single Transition-Metal Atom-Decorated Defective MoS ₂ for Electrocatalytic Ammonia Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36506-36514.	4.0	88
50	Methylsulfonylmethane-Based Deep Eutectic Solvent as a New Type of Green Electrolyte for a High-Energy-Density Aqueous Lithium-Ion Battery. <i>ACS Energy Letters</i> , 2019, 4, 1419-1426.	8.8	87
51	Recent Progress in Low Pt Content Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000396.	1.9	84
52	Tunable electronic and magnetic properties of Cr ₂ M ₂ C ₂ T ₂ (M = Ti or V; T = O, OH or F). <i>Applied Physics Letters</i> , 2016, 109, .	1.5	81
53	Trace elements in fish from Taihu Lake, China: Levels, associated risks, and trophic transfer. <i>Ecotoxicology and Environmental Safety</i> , 2013, 90, 89-97.	2.9	80
54	Efficient Hydrogen Evolution Electrocatalysis at Alkaline pH by Interface Engineering of Ni ₂ -Pd/CeO ₂ . <i>Inorganic Chemistry</i> , 2018, 57, 548-552.	1.9	78

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55	Construction of a SSR-Based Genetic Map and Identification of QTLs for Catechins Content in Tea Plant (<i>Camellia sinensis</i>). PLoS ONE, 2014, 9, e93131.	1.1	75
56	Mechanisms of Microcystin-induced Cytotoxicity and Apoptosis. Mini-Reviews in Medicinal Chemistry, 2016, 16, 1018-1031.	1.1	75
57	Ion-selective copper hexacyanoferrate with an open-framework structure enables high-voltage aqueous mixed-ion batteries. Journal of Materials Chemistry A, 2017, 5, 16740-16747.	5.2	74
58	Kinetically Stabilized Pd@Pt Core-Shell Octahedral Nanoparticles with Thin Pt Layers for Enhanced Catalytic Hydrogenation Performance. ACS Catalysis, 2015, 5, 1335-1343.	5.5	72
59	Atomically Dispersed High-Density Al ₄ Sites in Porous Carbon for Efficient Photodriven CO ₂ Cycloaddition. Advanced Materials, 2021, 33, e2103186.	11.1	69
60	Large-Scale SNP Discovery and Genotyping for Constructing a High-Density Genetic Map of Tea Plant Using Specific-Locus Amplified Fragment Sequencing (SLAF-seq). PLoS ONE, 2015, 10, e0128798.	1.1	68
61	Involvement of oxidative stress and cytoskeletal disruption in microcystin-induced apoptosis in CLK cells. Aquatic Toxicology, 2015, 165, 41-50.	1.9	67
62	Si/Ag/C Nanohybrids with <i>In Situ</i> Incorporation of Super-Small Silver Nanoparticles: Tiny Amount, Huge Impact. ACS Nano, 2018, 12, 861-875.	7.3	67
63	Phase-selective synthesis of self-supported RuP films for efficient hydrogen evolution electrocatalysis in alkaline media. Nanoscale, 2018, 10, 13930-13935.	2.8	67
64	Transcriptomic Analysis of Tea Plant Responding to Drought Stress and Recovery. PLoS ONE, 2016, 11, e0147306.	1.1	67
65	Aqueous Batteries Based on Mixed Monovalence Metal Ions: A New Battery Family. ChemSusChem, 2014, 7, 2295-2302.	3.6	61
66	A hollow ceramic fiber supported ZIF-8 membrane with enhanced gas separation performance prepared by hot dip-coating seeding. Journal of Materials Chemistry A, 2013, 1, 13046.	5.2	60
67	Female zebrafish (<i>Danio rerio</i>) are more vulnerable than males to microcystin-LR exposure, without exhibiting estrogenic effects. Aquatic Toxicology, 2013, 142-143, 272-282.	1.9	60
68	High-Throughput Screening of a Single-Atom Alloy for Electroreduction of Dinitrogen to Ammonia. ACS Applied Materials & Interfaces, 2021, 13, 16336-16344.	4.0	58
69	Genome-Wide Small RNA Analysis of Soybean Reveals Auxin-Responsive microRNAs that are Differentially Expressed in Response to Salt Stress in Root Apex. Frontiers in Plant Science, 2015, 6, 1273.	1.7	57
70	Natural allelic variations of TCS1 play a crucial role in caffeine biosynthesis of tea plant and its related species. Plant Physiology and Biochemistry, 2016, 100, 18-26.	2.8	56
71	Benzoate Anion-Intercalated Layered Cobalt Hydroxide Nanoarray: An Efficient Electrocatalyst for the Oxygen Evolution Reaction. ChemSusChem, 2017, 10, 4004-4008.	3.6	56
72	Enhancement of Mass Transfer for Facilitating Industrial-Level CO ₂ Electroreduction on Atomic Ni ₄ Sites. Advanced Energy Materials, 2021, 11, 2102152.	10.2	56

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73	Metal-Organic Frameworks-Derived Porous In ₂ O ₃ Hollow Nanorod for High-Performance Ethanol Gas Sensor. <i>ChemistrySelect</i> , 2017, 2, 10918-10925.	0.7	55
74	Identification of Cold-Responsive miRNAs and Their Target Genes in Nitrogen-Fixing Nodules of Soybean. <i>International Journal of Molecular Sciences</i> , 2014, 15, 13596-13614.	1.8	54
75	Quantitative Succinyl-Proteome Profiling of <i>Camellia sinensis</i> cv. 'Anji Baicha'™ During Periodic Albinism. <i>Scientific Reports</i> , 2017, 7, 1873.	1.6	54
76	The Critical Role of Additive Sulfate for Stable Alkaline Seawater Oxidation on Nickel-Based Electrodes. <i>Angewandte Chemie</i> , 2021, 133, 22922-22926.	1.6	53
77	Particle size studies to reveal crystallization mechanisms of the metal organic framework HKUST-1 during sonochemical synthesis. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 365-370.	3.8	52
78	Small RNA and degradome profiling reveals important roles for microRNAs and their targets in tea plant response to drought stress. <i>Physiologia Plantarum</i> , 2016, 158, 435-451.	2.6	51
79	Comprehensive Dissection of Metabolic Changes in Albino and Green Tea Cultivars. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2040-2048.	2.4	51
80	Recent Progress in the Theoretical Investigation of Electrocatalytic Reduction of CO ₂ . <i>Advanced Theory and Simulations</i> , 2018, 1, 1800004.	1.3	50
81	GmYUC2a mediates auxin biosynthesis during root development and nodulation in soybean. <i>Journal of Experimental Botany</i> , 2019, 70, 3165-3176.	2.4	49
82	Designed Synthesis of Functionalized Two-Dimensional Metal-Organic Frameworks with Preferential CO ₂ Capture. <i>ChemPlusChem</i> , 2013, 78, 86-91.	1.3	48
83	Self-Templating Construction of Hollow Amorphous CoMoS ₄ Nanotube Array towards Efficient Hydrogen Evolution Electrocatalysis at Neutral pH. <i>Chemistry - A European Journal</i> , 2017, 23, 12718-12723.	1.7	48
84	The Interactive Effects of Cytoskeleton Disruption and Mitochondria Dysfunction Lead to Reproductive Toxicity Induced by Microcystin-LR. <i>PLoS ONE</i> , 2013, 8, e53949.	1.1	48
85	The use of RAPD markers for detecting genetic diversity, relationship and molecular identification of Chinese elite tea genetic resources [<i>Camellia sinensis</i> (L.) O. Kuntze] preserved in a tea germplasm repository. <i>Biodiversity and Conservation</i> , 2005, 14, 1433-1444.	1.2	47
86	The role of GSH in microcystin-induced apoptosis in rat liver: Involvement of oxidative stress and NF- κ B. <i>Environmental Toxicology</i> , 2016, 31, 552-560.	2.1	47
87	Recent Advances in Metal-Organic Frameworks and Their Derived Materials for Electrocatalytic Water Splitting. <i>ChemElectroChem</i> , 2020, 7, 1805-1824.	1.7	47
88	Transitional Metal Catalytic Pyrite Cathode Enables Ultrastable Four-Electron-Based All-Solid-State Lithium Batteries. <i>ACS Nano</i> , 2019, 13, 9551-9560.	7.3	46
89	Microcystin-LR affects the hypothalamic-pituitary-inter-renal (HPI) axis in early life stages (embryos) Tj ETQq1 1 0.784314 rgBT/Overloct	3.7	45
90	Spatial and interspecies differences in concentrations of eight trace elements in wild freshwater fishes at different trophic levels from middle and eastern China. <i>Science of the Total Environment</i> , 2019, 672, 883-892.	3.9	45

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91	Topotactic Conversion of Fe_2O_3 Nanowires into FeP as a Superior Fluorosensor for Nucleic Acid Detection: Insights from Experiment and Theory. <i>Analytical Chemistry</i> , 2017, 89, 2191-2195.	3.2	44
92	Differential Metabolic Profiles during the Albescence Stages of 'Anji Baicha'™ (Camellia sinensis). <i>PLoS ONE</i> , 2015, 10, e0139996.	1.1	43
93	Three-Dimensional Nickel-Borate Nanosheets Array for Efficient Oxygen Evolution at Near-Neutral pH. <i>Chemistry - A European Journal</i> , 2017, 23, 6959-6963.	1.7	43
94	The dose makes the poison. <i>Science of the Total Environment</i> , 2018, 621, 649-653.	3.9	43
95	Cr_3C_2 Nanoparticle-Embedded Carbon Nanofiber for Artificial Synthesis of NH_3 through N_2 Fixation under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35764-35769.	4.0	43
96	Identification and expression profiling of the auxin response factors (ARFs) in the tea plant (Camellia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 46-56.	2.8	42
97	Polyethylene Glycol- Na^+ Interface of Vanadium Hexacyanoferrate Cathode for Highly Stable Rechargeable Aqueous Sodium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28762-28768.	4.0	41
98	Differential Permeability of Proton Isotopes through Graphene and Graphene Analogue Monolayer. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3395-3400.	2.1	40
99	Co-based nanowire films as complementary hydrogen- and oxygen-evolving electrocatalysts in neutral electrolyte. <i>Catalysis Science and Technology</i> , 2017, 7, 2689-2694.	2.1	39
100	Farmland heavy metals can migrate to deep soil at a regional scale: A case study on a wastewater-irrigated area in China. <i>Environmental Pollution</i> , 2021, 281, 116977.	3.7	39
101	Transcriptome and metabolome analysis reveal candidate genes and biochemicals involved in tea geometrid defense in Camellia sinensis. <i>PLoS ONE</i> , 2018, 13, e0201670.	1.1	38
102	Sex-dependent effects of microcystin-LR on hypothalamic-pituitary-gonad axis and gametogenesis of adult zebrafish. <i>Scientific Reports</i> , 2016, 6, 22819.	1.6	37
103	Insights into High Conductivity of the Two-Dimensional Iodine-Oxidized sp^2 -c-COF. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43595-43602.	4.0	37
104	Mg-Doping improves the performance of Ru-based electrocatalysts for the acidic oxygen evolution reaction. <i>Chemical Communications</i> , 2020, 56, 1749-1752.	2.2	36
105	Promoting effects of $\text{Ce}_{0.75}\text{Zr}_{0.25}\text{O}_2$ on the $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ electrocatalyst for the oxygen reduction reaction in metal-air batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6411-6415.	5.2	35
106	NF- κ B plays a key role in microcystin-RR-induced HeLa cell proliferation and apoptosis. <i>Toxicology</i> , 2014, 87, 120-130.	0.8	34
107	Proteome and Acetyl-Proteome Profiling of Camellia sinensis cv. 'Anji Baicha'™ during Periodic Albinism Reveals Alterations in Photosynthetic and Secondary Metabolite Biosynthetic Pathways. <i>Frontiers in Plant Science</i> , 2017, 8, 2104.	1.7	33
108	Catalyzed activation of CO_2 by a Lewis-base site in W^{Cu} hybrid metal organic frameworks. <i>Chemical Science</i> , 2012, 3, 2708.	3.7	32

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109	Seasonal Dynamics in Resource Partitioning to Growth and Storage in Response to Drought in a Perennial Rhizomatous Grass, <i>Leymus chinensis</i> . <i>Journal of Plant Growth Regulation</i> , 2008, 27, 39-48.	2.8	31
110	n-Octadecanethiol self-assembled monolayer coating with microscopic roughness for dropwise condensation of steam. <i>Journal of Thermal Science</i> , 2009, 18, 160-165.	0.9	31
111	Quantitatively evaluating detoxification of the hepatotoxic microcystin-LR through the glutathione (GSH) pathway in SD rats. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19273-19284.	2.7	30
112	Cobalt-Borate Nanoarray: An Efficient and Durable Electrocatalyst for Water Oxidation under Benign Conditions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15383-15387.	4.0	30
113	Functional natural allelic variants of flavonoid 3,5-hydroxylase gene governing catechin traits in tea plant and its relatives. <i>Planta</i> , 2017, 245, 523-538.	1.6	30
114	Bioaccumulation and human health risk assessment of trace metals in the freshwater mussel <i>Cristaria plicata</i> in Dongting Lake, China. <i>Journal of Environmental Sciences</i> , 2021, 104, 335-350.	3.2	30
115	Effects of acute exposure to microcystins on hypothalamic-pituitary-adrenal (HPA), -gonad (HPG) and -thyroid (HPT) axes of female rats. <i>Science of the Total Environment</i> , 2021, 778, 145196.	3.9	29
116	Ligand Defect Density Regulation in Metal-Organic Frameworks by Functional Group Engineering on Linkers. <i>Nano Letters</i> , 2022, 22, 838-845.	4.5	29
117	Association mapping of caffeine content with TCS1 in tea plant and its related species. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 251-259.	2.8	28
118	The role of glutathione detoxification pathway in MCLR-induced hepatotoxicity in SD rats. <i>Environmental Toxicology</i> , 2015, 30, 1470-1480.	2.1	27
119	Hydrogen adsorption and desorption on the Pt and Pd subnano clusters – a review. <i>Frontiers of Physics in China</i> , 2009, 4, 356-366.	1.0	26
120	Molecular simulation of CO ₂ , N ₂ and CH ₄ adsorption and separation in ZIF-78 and ZIF-79. <i>Molecular Simulation</i> , 2011, 37, 1131-1142.	0.9	26
121	Quantitative Trait Loci Mapping for Theobromine and Caffeine Contents in Tea Plant (<i>Camellia</i>) Tj ETQq1 1 0.784314 rgBT / Overlo 2.4 26		
122	Dental Resin Monomer Enables Unique NbO ₂ /Carbon Lithium-Ion Battery Negative Electrode with Exceptional Performance. <i>Advanced Functional Materials</i> , 2019, 29, 1904961.	7.8	26
123	Double Atom Catalysts: Heteronuclear Transition Metal Dimer Anchored on Nitrogen-Doped Graphene as Superior Electrocatalyst for Nitrogen Reduction Reaction. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000190.	1.3	26
124	Integrative plasma proteomic and microRNA analysis of Jersey cattle in response to high-altitude hypoxia. <i>Journal of Dairy Science</i> , 2019, 102, 4606-4618.	1.4	25
125	Monitoring graphene oxide's efficiency for removing Re(VII) and Cr(VI) with fluorescent silica hydrogels. <i>Environmental Pollution</i> , 2020, 262, 114246.	3.7	25
126	Sol-gel auto-combustion synthesis of Ni-CexZr1-xO ₂ catalysts for carbon dioxide reforming of methane. <i>RSC Advances</i> , 2013, 3, 22285.	1.7	24

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127	Visible/infrared light-driven high-efficiency CO ₂ conversion into ethane based on a Co synergistic catalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22327-22334.	5.2	24
128	Fast and Stable Electrochemical Production of H ₂ O ₂ by Electrode Architecture Engineering. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7120-7129.	3.2	24
129	A NbO type microporous metal-organic framework constructed from a naphthalene derived ligand for CH ₄ and C ₂ H ₂ storage at room temperature. <i>RSC Advances</i> , 2014, 4, 49457-49461.	1.7	23
130	Integrating PtNi nanoparticles on NiFe layered double hydroxide nanosheets as a bifunctional catalyst for hybrid sodium-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16355-16365.	5.2	21
131	Health Risks of Chronic Exposure to Small Doses of Microcystins: An Integrative Metabolomic and Biochemical Study of Human Serum. <i>Environmental Science & Technology</i> , 2022, 56, 6548-6559.	4.6	21
132	Compositional and Morphological Changes of Ordered Pt _x Fe _y /C Oxygen Electroreduction Catalysts. <i>ChemCatChem</i> , 2013, 5, 1449-1460.	1.8	20
133	Surface Modifications of Ti ₂ CO ₂ for Obtaining High Hydrogen Evolution Reaction Activity and Conductivity: A Computational Approach. <i>ChemPhysChem</i> , 2018, 19, 3380-3387.	1.0	20
134	Emerging Roles of Tripartite Motif-Containing Family Proteins (TRIMs) in Eliminating Misfolded Proteins. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 802.	1.8	20
135	Origin of Rh and Pd agglomeration on the CeO_2 Physical Review B, 2010, 82, ...	1.1	18
136	MOF-Derived Zinc-Doped Ruthenium Oxide Hollow Nanorods as Highly Active and Stable Electrocatalysts for Oxygen Evolution in Acidic Media. <i>ChemNanoMat</i> , 2021, 7, 117-121.	1.5	18
137	Multi-Omics Analysis Reveals Up-Regulation of APR Signaling, LXR/RXR and FXR/RXR Activation Pathways in Holstein Dairy Cows Exposed to High-Altitude Hypoxia. <i>Animals</i> , 2019, 9, 406.	1.0	17
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