

Liang Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/740878/liang-chen-publications-by-citations.pdf>

Version: 2024-04-26

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.

178
papers

10,941
citations

53
h-index

101
g-index

186
ext. papers

13,473
ext. citations

8.5
avg, IF

6.77
L-index

#	Paper	IF	Citations
178	Towards High-Voltage Aqueous Metal-Ion Batteries Beyond 1.5 V: The Zinc/Zinc Hexacyanoferrate System. <i>Advanced Energy Materials</i> , 2015 , 5, 1400930	21.8	680
177	Ternary FeCoP 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	11.5	531
176	Electrochemical Ammonia Synthesis via Nitrogen Reduction Reaction on a MoS Catalyst: Theoretical and Experimental Studies. <i>Advanced Materials</i> , 2018 , 30, e1800191	24	524
175	Enhanced Electrocatalysis for Energy-Efficient Hydrogen Production over CoP Catalyst with Nonelectroactive Zn as a Promoter. <i>Advanced Energy Materials</i> , 2017 , 7, 1700020	21.8	428
174	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	3.8	380
173	Boosted Electrocatalytic N ₂ Reduction to NH ₃ by Defect-Rich MoS ₂ Nanoflower. <i>Advanced Energy Materials</i> , 2018 , 8, 1801357	21.8	371
172	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	13.1	362
171	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	4.3	322
170	Metal-Organic Frameworks for Carbon Dioxide Capture and Methane Storage. <i>Advanced Energy Materials</i> , 2017 , 7, 1601296	21.8	260
169	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	13.1	218
168	Chromium-ruthenium oxide solid solution electrocatalyst for highly efficient oxygen evolution reaction in acidic media. <i>Nature Communications</i> , 2019 , 10, 162	17.4	201
167	A review of reproductive toxicity of microcystins. <i>Journal of Hazardous Materials</i> , 2016 , 301, 381-99	12.8	200
166	Al-Doped CoP nanoarray: a durable water-splitting electrocatalyst with superhigh activity. <i>Nanoscale</i> , 2017 , 9, 4793-4800	7.7	200
165	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	24	199
164	Direct synthesis of amine-functionalized MIL-101(Cr) nanoparticles and application for CO ₂ capture. <i>RSC Advances</i> , 2012 , 2, 6417	3.7	177
163	In situ formation of a 3D core/shell structured Ni ₃ N@NiBi 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	13	172
162	Large-Sized Few-Layer Graphene Enables an Ultrafast and Long-Life Aluminum-Ion Battery. <i>Advanced Energy Materials</i> , 2017 , 7, 1700034	21.8	160

161	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	13	160
160	Morphology-Dependent Electrochemical Performance of Zinc Hexacyanoferrate Cathode for Zinc-Ion Battery. <i>Scientific Reports</i> , 2015 , 5, 18263	4.9	156
159	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	13	151
158	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	12.8	124
157	MicroRNA167-Directed Regulation of the Auxin Response Factors GmARF8a and GmARF8b Is Required for Soybean Nodulation and Lateral Root Development. <i>Plant Physiology</i> , 2015 , 168, 984-99	6.6	124
156	Soybean miR172c targets the repressive AP2 transcription factor NNC1 to activate ENOD40 expression and regulate nodule initiation. <i>Plant Cell</i> , 2014 , 26, 4782-801	11.6	123
155	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	10	120
154	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	13	119
153	Amine-functionalized metal-organic frameworks: structure, synthesis and applications. <i>RSC Advances</i> , 2016 , 6, 32598-32614	3.7	117
152	Hydrogen spillover in the context of hydrogen storage using solid-state materials. <i>Energy and Environmental Science</i> , 2008 , 1, 338	35.4	116
151	Global transcriptome and gene regulation network for secondary metabolite biosynthesis of tea plant (<i>Camellia sinensis</i>). <i>BMC Genomics</i> , 2015 , 16, 560	4.5	115
150	Hydrogen Absorption and Diffusion in Bulk NiMoO ₃ . <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11399-11407	4.8	104
149	Fabricating Single-Atom Catalysts from Chelating Metal in Open Frameworks. <i>Advanced Materials</i> , 2019 , 31, e1808193	24	103
148	Global geographical and historical overview of cyanotoxin distribution and cyanobacterial poisonings. <i>Archives of Toxicology</i> , 2019 , 93, 2429-2481	5.8	103
147	Ultrafine Defective RuO ₂ Electrocatalyst Integrated on Carbon Cloth for Robust Water Oxidation in Acidic Media. <i>Advanced Energy Materials</i> , 2019 , 9, 1901313	21.8	95
146	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	13	94
145	Hexagonal boron nitride nanosheet for effective ambient N ₂ fixation to NH ₃ . <i>Nano Research</i> , 2019 , 12, 919-924	10	88
144	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	11	84

143	New-concept batteries based on aqueous Li+/Na+ mixed-ion electrolytes. <i>Scientific Reports</i> , 2013 , 3, 1946	4.9	83
142	On the Mechanisms of Hydrogen Spillover in MoO ₃ . <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1755-1758	3.8	79
141	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	3.7	78
140	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	10.3	76
139	Water-mediated cation intercalation of open-framework indium hexacyanoferrate with high voltage and fast kinetics. <i>Nature Communications</i> , 2016 , 7, 11982	17.4	73
138	Nanoscale MOF/organosilica membranes on tubular ceramic substrates for highly selective gas separation. <i>Energy and Environmental Science</i> , 2017 , 10, 1812-1819	35.4	73
137	Efficient Hydrogen Evolution Electrocatalysis at Alkaline pH by Interface Engineering of NiP-CeO. <i>Inorganic Chemistry</i> , 2018 , 57, 548-552	5.1	63
136	Kinetically Stabilized Pd@Pt CoreShell Octahedral Nanoparticles with Thin Pt Layers for Enhanced Catalytic Hydrogenation Performance. <i>ACS Catalysis</i> , 2015 , 5, 1335-1343	13.1	62
135	Trace elements in fish from Taihu Lake, China: levels, associated risks, and trophic transfer. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 90, 89-97	7	62
134	A Co-Doped Nanorod-like RuO Electro-catalyst with Abundant Oxygen Vacancies for Acidic Water Oxidation. <i>iScience</i> , 2020 , 23, 100756	6.1	61
133	Ammonia Thermal Treatment toward Topological Defects in Porous Carbon for Enhanced Carbon Dioxide Electroreduction. <i>Advanced Materials</i> , 2020 , 32, e2001300	24	60
132	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	5.3	57
131	Involvement of oxidative stress and cytoskeletal disruption in microcystin-induced apoptosis in CIK cells. <i>Aquatic Toxicology</i> , 2015 , 165, 41-50	5.1	56
130	TRIM25 promotes the cell survival and growth of hepatocellular carcinoma through targeting Keap1-Nrf2 pathway. <i>Nature Communications</i> , 2020 , 11, 348	17.4	55
129	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, 203109	3.4	55
128	Large-Scale SNP Discovery and Genotyping for Constructing a High-Density Genetic Map of Tea Plant Using Specific-Locus Amplified Fragment Sequencing (SLAF-seq). <i>PLoS ONE</i> , 2015 , 10, e0128798	3.7	54
127	Construction of a SSR-based genetic map and identification of QTLs for catechins content in tea plant (<i>Camellia sinensis</i>). <i>PLoS ONE</i> , 2014 , 9, e93131	3.7	54
126	Mechanisms of Microcystin-induced Cytotoxicity and Apoptosis. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016 , 16, 1018-31	3.2	53

125	Aqueous batteries based on mixed monovalence metal ions: a new battery family. <i>ChemSusChem</i> , 2014 , 7, 2295-302	8.3	52
124	A hollow ceramic fiber supported ZIF-8 membrane with enhanced gas separation performance prepared by hot dip-coating seeding. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13046	13	51
123	Ion-selective copper hexacyanoferrate with an open-framework structure enables high-voltage aqueous mixed-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16740-16747	13	51
122	Theoretical Investigation on the Single Transition-Metal Atom-Decorated Defective MoS for Electrocatalytic Ammonia Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36506-36514	9.5	49
121	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	20.1	49
120	Si/Ag/C Nanohybrids with in Situ Incorporation of Super-Small Silver Nanoparticles: Tiny Amount, Huge Impact. <i>ACS Nano</i> , 2018 , 12, 861-875	16.7	49
119	Phase-selective synthesis of self-supported RuP films for efficient hydrogen evolution electrocatalysis in alkaline media. <i>Nanoscale</i> , 2018 , 10, 13930-13935	7.7	47
118	Female zebrafish (<i>Danio rerio</i>) are more vulnerable than males to microcystin-LR exposure, without exhibiting estrogenic effects. <i>Aquatic Toxicology</i> , 2013 , 142-143, 272-82	5.1	46
117	Transcriptomic Analysis of Tea Plant Responding to Drought Stress and Recovery. <i>PLoS ONE</i> , 2016 , 11, e0147306	3.7	46
116	Designed Synthesis of Functionalized Two-Dimensional Metal-Organic Frameworks with Preferential CO ₂ Capture. <i>ChemPlusChem</i> , 2013 , 78, 86-91	2.8	45
115	Benzoate Anion-Intercalated Layered Cobalt Hydroxide Nanoarray: An Efficient Electrocatalyst for the Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2017 , 10, 4004-4008	8.3	42
114	Identification of Cold-Responsive miRNAs and Their Target Genes in Nitrogen-Fixing Nodules of Soybean. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 13596-614	6.3	42
113	The interactive effects of cytoskeleton disruption and mitochondria dysfunction lead to reproductive toxicity induced by microcystin-LR. <i>PLoS ONE</i> , 2013 , 8, e53949	3.7	42
112	Self-Templating Construction of Hollow Amorphous CoMoS Nanotube Array towards Efficient Hydrogen Evolution Electrocatalysis at Neutral pH. <i>Chemistry - A European Journal</i> , 2017 , 23, 12718-12723	4.8	40
111	Three-Dimensional Nickel-Borate Nanosheets Array for Efficient Oxygen Evolution at Near-Neutral pH. <i>Chemistry - A European Journal</i> , 2017 , 23, 6959-6963	4.8	38
110	Atomically dispersed Lewis acid sites boost 2-electron oxygen reduction activity of carbon-based catalysts. <i>Nature Communications</i> , 2020 , 11, 5478	17.4	38
109	Recent Progress in the Theoretical Investigation of Electrocatalytic Reduction of CO ₂ . <i>Advanced Theory and Simulations</i> , 2018 , 1, 1800004	3.5	37
108	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	3.4	35

107	Topotactic Conversion of β -FeO Nanowires into FeP as a Superior Fluorosensor for Nucleic Acid Detection: Insights from Experiment and Theory. <i>Analytical Chemistry</i> , 2017 , 89, 2191-2195	7.8	34
106	Co-based nanowire films as complementary hydrogen- and oxygen-evolving electrocatalysts in neutral electrolyte. <i>Catalysis Science and Technology</i> , 2017 , 7, 2689-2694	5.5	34
105	Metal-Organic Frameworks-Derived Porous In ₂ O ₃ Hollow Nanorod for High-Performance Ethanol Gas Sensor. <i>ChemistrySelect</i> , 2017 , 2, 10918-10925	1.8	33
104	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	8.9	32
103	Recent Progress in Low Pt Content Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000396	4.6	32
102	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	4.6	32
101	Genome-Wide Small RNA Analysis of Soybean Reveals Auxin-Responsive microRNAs that are Differentially Expressed in Response to Salt Stress in Root Apex. <i>Frontiers in Plant Science</i> , 2015 , 6, 1273	6.2	31
100	Promoting effects of Ce _{0.75} Zr _{0.25} O ₂ on the La _{0.7} Sr _{0.3} MnO ₃ electrocatalyst for the oxygen reduction reaction in metal-air batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6411-6415	13	30
99	CrC Nanoparticle-Embedded Carbon Nanofiber for Artificial Synthesis of NH ₃ through N Fixation under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35764-35769	9.5	30
98	Differential Permeability of Proton Isotopes through Graphene and Graphene Analogue Monolayer. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3395-400	6.4	30
97	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, 552-60	4.2	29
96	The dose makes the poison. <i>Science of the Total Environment</i> , 2018 , 621, 649-653	10.2	29
95	Comprehensive Dissection of Metabolic Changes in Albino and Green Tea Cultivars. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 2040-2048	5.7	28
94	Identification and expression profiling of the auxin response factors (ARFs) in the tea plant (<i>Camellia sinensis</i> (L.) O. Kuntze) under various abiotic stresses. <i>Plant Physiology and Biochemistry</i> , 2016 , 98, 46-56	5.4	28
93	Transitional Metal Catalytic Pyrite Cathode Enables Ultrastable Four-Electron-Based All-Solid-State Lithium Batteries. <i>ACS Nano</i> , 2019 , 13, 9551-9560	16.7	28
92	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	4.7	28
91	Recent Advances in Metal-Organic Frameworks and Their Derived Materials for Electrocatalytic Water Splitting. <i>ChemElectroChem</i> , 2020 , 7, 1805-1824	4.3	27
90	Natural allelic variations of TCS1 play a crucial role in caffeine biosynthesis of tea plant and its related species. <i>Plant Physiology and Biochemistry</i> , 2016 , 100, 18-26	5.4	27

89	Cobalt-Borate Nanoarray: An Efficient and Durable Electrocatalyst for Water Oxidation under Benign Conditions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15383-15387	9.5	26
88	GmYUC2a mediates auxin biosynthesis during root development and nodulation in soybean. <i>Journal of Experimental Botany</i> , 2019 , 70, 3165-3176	7	26
87	Catalyzed activation of CO ₂ by a Lewis-base site in WCuBTC hybrid metal organic frameworks. <i>Chemical Science</i> , 2012 , 3, 2708	9.4	26
86	Sex-dependent effects of microcystin-LR on hypothalamic-pituitary-gonad axis and gametogenesis of adult zebrafish. <i>Scientific Reports</i> , 2016 , 6, 22819	4.9	26
85	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	10.2	26
84	Microcystin-LR affects the hypothalamic-pituitary-inter-renal (HPI) axis in early life stages (embryos and larvae) of zebrafish. <i>Environmental Pollution</i> , 2018 , 241, 540-548	9.3	26
83	NF- κ B plays a key role in microcystin-RR-induced HeLa cell proliferation and apoptosis. <i>Toxicol</i> , 2014 , 87, 120-30	2.8	25
82	Quantitative Succinyl-Proteome Profiling of <i>Camellia sinensis</i> cv. Anji Baicha During Periodic Albinism. <i>Scientific Reports</i> , 2017 , 7, 1873	4.9	25
81	n-Octadecanethiol self-assembled monolayer coating with microscopic roughness for dropwise condensation of steam. <i>Journal of Thermal Science</i> , 2009 , 18, 160-165	1.9	25
80	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	10.2	23
79	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, 19273-84	5.1	23
78	The role of glutathione detoxification pathway in MCLR-induced hepatotoxicity in SD rats. <i>Environmental Toxicology</i> , 2015 , 30, 1470-80	4.2	23
77	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	3.7	23
76	Proteome and Acetyl-Proteome Profiling of cv. Anjin Baicha During Periodic Albinism Reveals Alterations in Photosynthetic and Secondary Metabolite Biosynthetic Pathways. <i>Frontiers in Plant Science</i> , 2017 , 8, 2104	6.2	23
75	Hydrogen adsorption and desorption on the Pt and Pd subnano clusters: a review. <i>Frontiers of Physics in China</i> , 2009 , 4, 356-366		23
74	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	2	23
73	Functional natural allelic variants of flavonoid 3-O-glucosyltransferase gene governing catechin traits in tea plant and its relatives. <i>Planta</i> , 2017 , 245, 523-538	4.7	21
72	Mg-Doping improves the performance of Ru-based electrocatalysts for the acidic oxygen evolution reaction. <i>Chemical Communications</i> , 2020 , 56, 1749-1752	5.8	21

71	Transcriptome and metabolome analysis reveal candidate genes and biochemicals involved in tea geometrid defense in <i>Camellia sinensis</i> . <i>PLoS ONE</i> , 2018 , 13, e0201670	3.7	20
70	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	9.5	20
69	Sol-gel auto-combustion synthesis of Ni _{0.5} Ce _{0.5} Zr _{1-x} O ₂ catalysts for carbon dioxide reforming of methane. <i>RSC Advances</i> , 2013 , 3, 22285	3.7	20
68	Differential Metabolic Profiles during the Albescence Stages of Anji Baicha (<i>Camellia sinensis</i>). <i>PLoS ONE</i> , 2015 , 10, e0139996	3.7	20
67	Dental Resin Monomer Enables Unique NbO ₂ /Carbon Lithium-Ion Battery Negative Electrode with Exceptional Performance. <i>Advanced Functional Materials</i> , 2019 , 29, 1904961	15.6	18
66	Origin of Rh and Pd agglomeration on the CeO ₂ (111) surface. <i>Physical Review B</i> , 2010 , 82,	3.3	17
65	Insights into High Conductivity of the Two-Dimensional Iodine-Oxidized sp ² -c-COF. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43595-43602	9.5	17
64	Compositional and Morphological Changes of Ordered Pt _x Fey/C Oxygen Electroreduction Catalysts. <i>ChemCatChem</i> , 2013 , 5, 1449-1460	5.2	16
63	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	4	14
62	Monitoring graphene oxide adsorption efficiency for removing Re(VII) and Cr(VI) with fluorescent silica hydrogels. <i>Environmental Pollution</i> , 2020 , 262, 114246	9.3	14
61	Association mapping of caffeine content with TCS1 in tea plant and its related species. <i>Plant Physiology and Biochemistry</i> , 2016 , 105, 251-259	5.4	14
60	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	13	13
59	High-Throughput Screening of a Single-Atom Alloy for Electroreduction of Dinitrogen to Ammonia. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16336-16344	9.5	13
58	Surface Modifications of Ti CO for Obtaining High Hydrogen Evolution Reaction Activity and Conductivity: A Computational Approach. <i>ChemPhysChem</i> , 2018 , 19, 3380-3387	3.2	13
57	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	6.4	12
56	Quantitative Trait Loci Mapping for Theobromine and Caffeine Contents in Tea Plant (<i>Camellia sinensis</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 13321-13327	5.7	12
55	Atomically Dispersed High-Density Al-N Sites in Porous Carbon for Efficient Photodriven CO Cycloaddition. <i>Advanced Materials</i> , 2021 , 33, e2103186	24	12
54	Quantitative liquid chromatography-tandem mass spectrometry method for determination of microcystin-RR and its glutathione and cysteine conjugates in fish plasma and bile. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 963, 113-8	3.2	11

53	Spin-flip phenomena at the Co graphene Co interfaces. <i>Applied Physics Letters</i> , 2011 , 98, 133111	3.4	11
52	Visible/infrared light-driven high-efficiency CO ₂ conversion into ethane based on a BiO synergistic catalyst. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22327-22334	13	11
51	Ultrathin-Nanosheets-Composed CoSP Nanobrushes as an All-pH Highly Efficient Catalyst toward Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15618-15623	8.3	11
50	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	16.4	11
49	Two-dimensional semiconducting gold. <i>Physical Review B</i> , 2017 , 95,	3.3	10
48	A Joint Theoretical and Experimental Study of Phase Equilibria and Evolution in Pt-Doped Calcium Titanate under Redox Conditions. <i>Chemistry of Materials</i> , 2015 , 27, 18-28	9.6	10
47	A mechanistic study of hydrogen spillover in MoO ₃ and carbon-based graphitic materials. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 064223	1.8	10
46	Metagenomics-Guided Discovery of Potential Bacterial Metallothionein Genes from the Soil Microbiome That Confer Cu and/or Cd Resistance. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	10
45	Surface-termination-dependent Pd bonding and aggregation of nanoparticles on LaFeO ₃ (001). <i>Journal of Chemical Physics</i> , 2013 , 138, 144705	3.9	9
44	A molecular-templating strategy to polyamine-incorporated porous organic polymers for unprecedented CO ₂ capture and separation. <i>Science China Materials</i> , 2019 , 62, 448-454	7.1	9
43	Chemisorption of small fullerenes C _n (n=28,32,36,40,44,48,60) on the Si(001) surface. <i>Physical Review B</i> , 2009 , 79,	3.3	8
42	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	8.3	8
41	TRIM11 cooperates with HSF1 to suppress the anti-tumor effect of proteotoxic stress drugs. <i>Cell Cycle</i> , 2019 , 18, 60-68	4.7	8
40	Enhancement of Mass Transfer for Facilitating Industrial-Level CO ₂ Electroreduction on Atomic Ni ₂ N ₄ Sites. <i>Advanced Energy Materials</i> , 2021 , 11, 2102152	21.8	8
39	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,	3.1	7
38	Emerging Roles of Tripartite Motif-Containing Family Proteins (TRIMs) in Eliminating Misfolded Proteins. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 802	5.7	7
37	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	9.3	7
36	Isolation and Characterization of CsWRKY7, a Subgroup IId WRKY Transcription Factor from , Linked to Development in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6

35	Facile Synthesis of Amine-functionalized MOFs Incorporated Polyimide MMMs with Enhanced CO ₂ Permselectivity. <i>ChemistrySelect</i> , 2019 , 4, 2368-2373	1.8	6
34	Solvothermal synthesis of hierarchical Eu ₂ O ₃ nanostructures templated by PS-b-PMAA: morphology control via simple variation of water contents. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5789-5793	13	6
33	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	3.5	6
32	Na Superionic Conductor-Type TiNb(PO) Anode with High Energy Density and Long Cycle Life Enables Aqueous Alkaline-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39757-39764	9.5	5
31	Ligand Defect Density Regulation in Metal-Organic Frameworks by Functional Group Engineering on Linkers.. <i>Nano Letters</i> , 2022 ,	11.5	5
30	Modulation of the inflammatory tumor microenvironment: a new approach for photothermal-synergized cancer immunotherapy. <i>Nanomedicine</i> , 2019 , 14, 2101-2104	5.6	4
29	Analysis of Genetic Diversity and Development of a SCAR Marker for Green Tea (<i>Camellia sinensis</i>) Cultivars in Zhejiang Province: The Most Famous Green Tea-Producing Area in China. <i>Biochemical Genetics</i> , 2019 , 57, 555-570	2.4	4
28	Cloning and expression patterns of VQ-motif-containing proteins under abiotic stress in tea plant. <i>Plant Growth Regulation</i> , 2019 , 87, 277-286	3.2	4
27	inhibits hepatocellular carcinoma cell growth and metastasis. <i>Cell Cycle</i> , 2020 , 19, 1846-1854	4.7	4
26	Porous titania/carbon hybrid microspheres templated by in situ formed polystyrene colloids. <i>Journal of Colloid and Interface Science</i> , 2016 , 469, 242-256	9.3	4
25	A first-principles study of CO oxidation by surface oxygen on Pt-incorporated perovskite catalyst (CaPt _x Ti _{1-x} O ₃). <i>RSC Advances</i> , 2014 , 4, 30530-30535	3.7	4
24	A natural product, Piperlongumine (PL), increases tumor cells sensitivity to NK cell killing. <i>International Immunopharmacology</i> , 2021 , 96, 107658	5.8	4
23	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	10.2	4
22	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	3.5	4
21	Recent advances on electrocatalytic fixation of nitrogen under ambient conditions. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5516-5533	7.8	4
20	Ultrathin Reduced Graphene Oxide/Organosilica Hybrid Membrane for Gas Separation. <i>Jacs Au</i> , 2021 , 1, 328-335		4
19	Light, but Not Nutrients, Drives Seasonal Congruence of Taxonomic and Functional Diversity of Phytoplankton in a Eutrophic Highland Lake in China. <i>Frontiers in Plant Science</i> , 2020 , 11, 179	6.2	3
18	A newly-isolated Cd-loving <i>Purpureocillium</i> sp. strain YZ1 substantially alleviates Cd toxicity to wheat. <i>Plant and Soil</i> , 2021 , 464, 289	4.2	3

17	Iron Hexacyanoferrate Nanocubes as Low-Strain Cathode Materials for Aqueous Li/Na Mixed-Ion Batteries. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1318-1323	5.6	2
16	Electrocatalysts: Ultrafine Defective RuO ₂ Electrocatalyst Integrated on Carbon Cloth for Robust Water Oxidation in Acidic Media (Adv. Energy Mater. 35/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970136	21.8	2
15	A mechanistic study of CO removal on a small H-saturated platinum cluster. <i>Science in China Series B: Chemistry</i> , 2008 , 51, 1187-1196		2
14	The Critical Role of Additive Sulfate for Stable Alkaline Seawater Oxidation on Nickel-Based Electrodes. <i>Angewandte Chemie</i> , 2021 , 133, 22922	3.6	2
13	Enhanced catalytic performance of Pt by coupling with carbon defects. <i>Innovation(China)</i> , 2021 , 2, 1001617	17.8	2
12	Theoretical investigation of defective MXenes as potential electrocatalysts for CO reduction toward C products. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 12431-12438	3.6	2
11	Transition Metal Nanostructures: Formation and Stability of Low-Dimensional Structures for Group VIII B and IB Transition Metals: The Role of sd ⁴ Hybridization (Adv. Sci. 4/2016). <i>Advanced Science</i> , 2016 , 3,	13.6	1
10	Synergistic Tumor Cytolysis by NK Cells in Combination With a Pan-HDAC Inhibitor, Panobinostat. <i>Frontiers in Immunology</i> , 2021 , 12, 701671	8.4	1
9	Collection of charge in NMOS from single event effect. <i>IEICE Electronics Express</i> , 2016 , 13, 20160014-20160014	16.9	0
8	TRIM28 attenuates Bortezomib sensitivity of hepatocellular carcinoma cells through enhanced proteasome expression.. <i>Clinical and Translational Medicine</i> , 2022 , 12, e603	5.7	0
7	Understanding the CO ₂ /CH ₄ /N ₂ Separation Performance of Nanoporous Amorphous N-Doped Carbon Combined Hybrid Monte Carlo with Machine Learning. <i>Advanced Theory and Simulations</i> , 2021 , 10, 2100378	3.5	0
6	Dietary amylose:amylopectin ratio influences the expression of amino acid transporters and enzyme activities for amino acid metabolism in the gastrointestinal tract of goats. <i>British Journal of Nutrition</i> , 2021 , 1-11	3.6	0
5	Transformation from a non-radical to a radical pathway the amorphization of a Ni(OH) catalyst as a peroxymonosulfate activator for the ultrafast degradation of organic pollutants. <i>Nanoscale</i> , 2021 , 13, 7700-7708	7.7	0
4	Ultra-small RuO ₂ nanoparticles supported on carbon cloth as a high-performance pseudocapacitive electrode. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 1	8.7	0
3	-Carbamoylglutamate Supplementation on the Digestibility, Rumen Fermentation, Milk Quality, Antioxidant Parameters, and Metabolites of Jersey Cattle in High-Altitude Areas.. <i>Frontiers in Veterinary Science</i> , 2022 , 9, 848912	3.1	0
2	Inhibition of AMPK activity by TRIM11 facilitates cell survival of hepatocellular carcinoma under metabolic stress.. <i>Clinical and Translational Medicine</i> , 2021 , 11, e617	5.7	0
1	Generalized coefficient strengthening cuts for mixed integer programming. <i>Journal of Global Optimization</i> , 2018 , 70, 289-306	1.5	