

yelong Zhang

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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.

64
papers

4,092
citations

34
h-index

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g-index

68
ext. papers

5,212
ext. citations

12.3
avg, IF

5.77
L-index

#	Paper	IF	Citations
64	PdMo bimetallic for oxygen reduction catalysis. <i>Nature</i> , 2019 , 574, 81-85	50.4	456
63	Two-Dimensional Water-Coupled Metallic MoS with Nanochannels for Ultrafast Supercapacitors. <i>Nano Letters</i> , 2017 , 17, 1825-1832	11.5	262
62	Metallic Graphene-Like VSe Ultrathin Nanosheets: Superior Potassium-Ion Storage and Their Working Mechanism. <i>Advanced Materials</i> , 2018 , 30, e1800036	24	256
61	Rational Design of MXene/1T-2H MoS ₂ -C Nanohybrids for High-Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1707578	15.6	220
60	Metal-Organic Framework-Induced Synthesis of Ultrasmall Encased NiFe Nanoparticles Coupling with Graphene as an Efficient Oxygen Electrode for a Rechargeable Zn-Air Battery. <i>ACS Catalysis</i> , 2016 , 6, 6335-6342	13.1	167
59	Strengthening reactive metal-support interaction to stabilize high-density Pt single atoms on electron-deficient g-C ₃ N ₄ for boosting photocatalytic H ₂ production. <i>Nano Energy</i> , 2019 , 56, 127-137	17.1	155
58	Reversibility of Noble Metal-Catalyzed Aprotic Li-O ₂ Batteries. <i>Nano Letters</i> , 2015 , 15, 8084-90	11.5	139
57	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithium-O ₂ Batteries at the Stage of Sudden Death. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5201-5	16.4	128
56	MXene/Si@SiO ₂ @C Layer-by-Layer Superstructure with Autoadjustable Function for Superior Stable Lithium Storage. <i>ACS Nano</i> , 2019 , 13, 2167-2175	16.7	127
55	A Universal Strategy for Intimately Coupled Carbon Nanosheets/MoM Nanocrystals (M = P, S, C, and O) Hierarchical Hollow Nanospheres for Hydrogen Evolution Catalysis and Sodium-Ion Storage. <i>Advanced Materials</i> , 2018 , 30, e1706085	24	125
54	Potential-Dependent Generation of O ₂ ⁻ and LiO ₂ and Their Critical Roles in O ₂ Reduction to Li ₂ O ₂ in Aprotic Li-O ₂ Batteries. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 3690-3698	3.8	121
53	Ultrathin Visible-Light-Driven Mo Incorporating In O ₂ -ZnIn Se Z-Scheme Nanosheet Photocatalysts. <i>Advanced Materials</i> , 2019 , 31, e1807226	24	115
52	Co O ₂ /Fe Co P Interface Nanowire for Enhancing Water Oxidation Catalysis at High Current Density. <i>Advanced Materials</i> , 2018 , 30, e1803551	24	115
51	Amorphous Li ₂ O ₂ : Chemical Synthesis and Electrochemical Properties. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10717-21	16.4	106
50	Hollow Si/SiO ₂ nanosphere/nitrogen-doped carbon superstructure with a double shell and void for high-rate and long-life lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8039-8046	13	95
49	Mesoporous nanostructured spinel-type MFe ₂ O ₄ (M = Co, Mn, Ni) oxides as efficient bi-functional electrocatalysts towards oxygen reduction and oxygen evolution. <i>Electrochimica Acta</i> , 2017 , 245, 829-838	6.7	82
48	N-Doped Carbon Nanosheet Networks with Favorable Active Sites Triggered by Metal Nanoparticles as Bifunctional Oxygen Electrocatalysts. <i>ACS Energy Letters</i> , 2018 , 3, 2914-2920	20.1	76

47	A Freestanding Flexible Single-Atom Cobalt-Based Multifunctional Interlayer toward Reversible and Durable Lithium-Sulfur Batteries. <i>Small Methods</i> , 2020 , 4, 1900701	12.8	66
46	Silk-Derived Highly Active Oxygen Electrocatalysts for Flexible and Rechargeable Zn/Air Batteries. <i>Chemistry of Materials</i> , 2019 , 31, 1023-1029	9.6	65
45	Porous ZrNb ₂₄ O ₆₂ nanowires with pseudocapacitive behavior achieve high-performance lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22297-22304	13	64
44	In situ formed Fe-N doped metal organic framework@carbon nanotubes/graphene hybrids for a rechargeable Zn-air battery. <i>Chemical Communications</i> , 2017 , 53, 12934-12937	5.8	64
43	Efficient Bifunctional Polyalcohol Oxidation and Oxygen Reduction Electrocatalysts Enabled by Ultrathin PtPdM (M = Ni, Fe, Co) Nanosheets. <i>Advanced Energy Materials</i> , 2019 , 9, 1800684	21.8	64
42	Ultrathin Ti ₃ C ₂ nanosheets based off-on fluorescent nanoprobe for rapid and sensitive detection of HPV infection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 286, 222-229	8.5	58
41	Synergistic effect between atomically dispersed Fe and Co metal sites for enhanced oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4369-4375	13	57
40	Confined Fe ₂ VO ₄ ?Nitrogen-Doped Carbon Nanowires with Internal Void Space for High-Rate and Ultrastable Potassium-Ion Storage. <i>Advanced Energy Materials</i> , 2019 , 9, 1902674	21.8	57
39	Graphite coated with manganese oxide/multiwall carbon nanotubes composites as anodes in marine benthic microbial fuel cells. <i>Applied Surface Science</i> , 2014 , 317, 84-89	6.7	52
38	Unlocking the energy capabilities of micron-sized LiFePO ₄ . <i>Nature Communications</i> , 2015 , 6, 7898	17.4	51
37	Metal-organic framework-derived Fe/Cu-substituted Co nanoparticles embedded in CNTs-grafted carbon polyhedron for Zn-air batteries 2020 , 2, 283-293		46
36	3D star-like atypical hybrid MOF derived single-atom catalyst boosts oxygen reduction catalysis. <i>Journal of Energy Chemistry</i> , 2021 , 55, 355-360	12	46
35	Advanced Multifunctional Electrocatalysts for Energy Conversion. <i>ACS Energy Letters</i> , 2019 , 4, 1672-1680	10.1	43
34	Rational Design of Hierarchical TiO ₂ /Epitaxially Aligned MoS ₂ /Carbon Coupled Interface Nanosheets Core/Shell Architecture for Ultrastable Sodium-Ion and Lithium/Sulfur Batteries. <i>Small Methods</i> , 2018 , 2, 1800119	12.8	41
33	Bioinspired Ultrastable Lignin Cathode via Graphene Reconfiguration for Energy Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3553-3561	8.3	40
32	Bifunctional oxygen electrodes of homogeneous Co ₄ N nanocrystals@N-doped carbon hybrids for rechargeable Zn-air batteries. <i>Carbon</i> , 2019 , 151, 10-17	10.4	39
31	Multidimensional Integrated Chalcogenides Nanoarchitecture Achieves Highly Stable and Ultrafast Potassium-Ion Storage. <i>Small</i> , 2019 , 15, e1903720	11	34
30	In-situ construction of Bi/defective BiNbOCl for non-noble metal based Mott-Schottky photocatalysts towards organic pollutants removal. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122408	12.8	33

29	Amorphous Li ₂ O ₂ : Chemical Synthesis and Electrochemical Properties. <i>Angewandte Chemie</i> , 2016 , 128, 10875-10879	3.6	28
28	Progress and Perspective: MXene and MXene-Based Nanomaterials for High-Performance Energy Storage Devices. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000967	6.4	28
27	A High-Performance Carbonate-Free Lithium Garnet Interface Enabled by a Trace Amount of Sodium. <i>Advanced Materials</i> , 2020 , 32, e2000575	24	28
26	Polyphenylene Wrapped Sulfur/Multi-Walled Carbon Nano-Tubes via Spontaneous Grafting of Diazonium Salt for Improved Electrochemical Performance of Lithium-Sulfur Battery. <i>Electrochimica Acta</i> , 2015 , 165, 136-141	6.7	27
25	Honeycomb-like 3D N-, P-codoped porous carbon anchored with ultrasmall Fe ₂ P nanocrystals for efficient Zn-air battery. <i>Carbon</i> , 2020 , 158, 885-892	10.4	26
24	Strongly coupled ultrasmall-FeC/N-doped porous carbon hybrids for highly efficient Zn-air batteries. <i>Chemical Communications</i> , 2019 , 55, 5651-5654	5.8	25
23	Visible light-driven methanol dehydrogenation and conversion into 1,1-dimethoxymethane over a non-noble metal photocatalyst under acidic conditions. <i>Catalysis Science and Technology</i> , 2018 , 8, 3372-3378	5.5	24
22	Polymerization-dissolution strategy to prepare Fe, N, S tri-doped carbon nanostructures for Zn-Air batteries. <i>Carbon</i> , 2019 , 147, 83-89	10.4	22
21	Orthorhombic Cobalt Ditelluride with Te Vacancy Defects Anchoring on Elastic MXene Enables Efficient Potassium-Ion Storage. <i>Advanced Materials</i> , 2021 , 33, e2100272	24	20
20	Enhanced interaction in TiO/BiVO heterostructures via MXene TiC-derived 2D-carbon for highly efficient visible-light photocatalysis. <i>Nanotechnology</i> , 2019 , 30, 075601	3.4	20
19	Coupled and decoupled hierarchical carbon nanomaterials toward high-energy-density quasi-solid-state Na-Ion hybrid energy storage devices. <i>Energy Storage Materials</i> , 2019 , 23, 530-538	19.4	19
18	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithium-O ₂ Batteries at the Stage of Sudden Death. <i>Angewandte Chemie</i> , 2016 , 128, 5287-5291	3.6	19
17	MXene-Ti ₃ C ₂ assisted one-step synthesis of carbon-supported TiO ₂ /Bi ₄ NbO ₈ Cl heterostructures for enhanced photocatalytic water decontamination. <i>Nanophotonics</i> , 2020 , 9, 2077-2088	6.3	16
16	Li ₂ O ₂ oxidation: the charging reaction in the aprotic Li-O ₂ batteries. <i>Science Bulletin</i> , 2015 , 60, 1227-1234	13.4	14
15	Ni@RuM (M=Ni or Co) core@shell nanocrystals with high mass activity for overall water-splitting catalysis. <i>Science China Materials</i> , 2019 , 62, 1868-1876	7.1	14
14	SnS Nanosheets Anchored on Nitrogen and Sulfur Co-Doped MXene Sheets for High-Performance Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17668-17676	9.5	13
13	Stabilizing Ni-Rich LiNi _{0.92} Co _{0.06} Al _{0.02} O ₂ Cathodes by Boracic Polyanion and Tungsten Cation Co-Doping for High-Energy Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2020 , 7, 3811-3817	4.3	12
12	Spectroscopic Identification of the Au-C Bond Formation upon Electroreduction of an Aryl Diazonium Salt on Gold. <i>Langmuir</i> , 2016 , 32, 11514-11519	4	11

11	Liquid-like Poly(ionic liquid) as Electrolyte for Thermally Stable Lithium-Ion Battery. <i>ACS Omega</i> , 2018 , 3, 10564-10571	3.9	11
10	Understanding oxygen reactions in aprotic Li-O ₂ batteries. <i>Chinese Physics B</i> , 2016 , 25, 018204	1.2	9
9	CoFe NPs confined in yolk-shell N-doped carbon: engineering multi-beaded fibers as an efficient bifunctional electrocatalyst for Zn-air batteries. <i>Nanoscale</i> , 2021 , 13, 2609-2617	7.7	8
8	One-Pot Seedless Aqueous Design of Metal Nanostructures for Energy Electrocatalytic Applications. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 531-547	29.3	7
7	Strongly coupled Te-SnS ₂ /MXene superstructure with self-autoadjustable function for fast and stable potassium ion storage. <i>Journal of Energy Chemistry</i> , 2021 , 61, 416-424	12	7
6	Defect-engineering of Pt/Bi ₄ NbO ₈ Br heterostructures for synergetic promotional photocatalytic removal of versatile organic contaminants. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2784-2792	7.1	6
5	Dealloyed silver nanoparticles as efficient catalyst towards oxygen reduction in alkaline solution. <i>Chemical Research in Chinese Universities</i> , 2016 , 32, 106-111	2.2	3
4	Comparative study of two carbon fiber cathodes and theoretical analysis in microbial fuel cells on ocean floor. <i>Journal of Ocean University of China</i> , 2014 , 13, 257-261	1	3
3	Cu ₁₂ Sb ₄ S ₁₃ Quantum Dots/Few-Layered Ti ₃ C ₂ Nanosheets with Enhanced K ⁺ Diffusion Dynamics for Efficient Potassium Ion Storage. <i>Advanced Functional Materials</i> , 2108574	15.6	3
2	In-Situ growing tungsten Sulfide/Carbon nanosheets on sodium titanate nanorods to stabilize Surface-Structure for enhanced Sodium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 609-616	9.3	0
1	Cookies-like Ag ₂ S/Bi ₄ NbO ₈ Cl heterostructures for high efficient and stable photocatalytic degradation of refractory antibiotics utilizing full-spectrum solar energy. <i>Separation and Purification Technology</i> , 2022 , 292, 120969	8.3	0