

Zhenhai Wen

List of Publications by Year in descending order

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259
papers

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4370

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times ranked

25086
citing authors

#	ARTICLE	IF	CITATIONS
1	The Enhancement of Selectivity and Activity for Two-Electron Oxygen Reduction Reaction by Tuned Oxygen Defects on Amorphous Hydroxide Catalysts. <i>CCS Chemistry</i> , 2022, 4, 566-583.	4.6	13
2	Ultrathin ZnIn ₂ S ₄ nanosheets decorating PPy nanotubes toward simultaneous photocatalytic H ₂ production and 1,4-benzenedimethanol valorization. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120737.	10.8	58
3	Cost-effective and durable electrocatalysts for Co-electrolysis of CO ₂ conversion and glycerol upgrading. <i>Nano Energy</i> , 2022, 92, 106751.	8.2	35
4	Hybrid electrocatalyst of CoFe ₂ O ₄ decorating carbon spheres for alkaline oxygen evolution reaction. <i>Ceramics International</i> , 2022, 48, 5442-5449.	2.3	17
5	Modifying the 316L stainless steel surface by an electrodeposition technique: towards high-performance electrodes for alkaline water electrolysis. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1382-1397.	2.5	6
6	Carbon-coated MoS _{1.5} Te _{0.5} nanocables for efficient sodium-ion storage in non-aqueous dual-ion batteries. <i>Nature Communications</i> , 2022, 13, 663.	5.8	66
7	Solvent polarity tuning to enhance the crystallinity of 2D-covalent organic frameworks for visible-light-driven hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12378-12390.	5.2	43
8	N, P, and S co-doped 3D porous carbon-architected cathode for high-performance Zn-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6489-6498.	5.2	63
9	Asymmetric Neutral Alkaline Microbial Electrolysis Cells for Hydrogen Production. <i>ChemElectroChem</i> , 2022, 9, .	1.7	2
10	Electrochemical Hydrogen Generation by Oxygen Evolution Reaction—Alternative Anodic Oxidation Reactions. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	2.8	34
11	High Entropy Alloy Electrocatalytic Electrode toward Alkaline Glycerol Valorization Coupling with Acidic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2022, 144, 7224-7235.	6.6	156
12	Dual sites modulating MoO ₂ nanospheres for synergistically enhanced electrocatalysis of water oxidation. <i>Chemical Engineering Journal</i> , 2022, 443, 136339.	6.6	18
13	Bifunctional Mn-doped CoSe ₂ nanonetworks electrode for hybrid alkali/acid electrolytic H ₂ generation and glycerol upgrading. <i>Journal of Energy Chemistry</i> , 2022, 72, 424-431.	7.1	24
14	Sub-1 nm MoC Quantum Dots Decorating N-Doped Graphene as Advanced Electrocatalysts of Flexible Hybrid Alkali-Acid Zn-Quinone Battery. <i>Small</i> , 2022, , 2201144.	5.2	2
15	Local Spin-State Tuning of Iron Single-Atom Electrocatalyst by S-Coordinated Doping for Kinetics-Boosted Ammonia Synthesis. <i>Advanced Materials</i> , 2022, 34, e2202240.	11.1	79
16	High Mass Loading 3D-Printed Sodium-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	13
17	N-doped carbon networks as bifunctional electrocatalyst toward integrated electrochemical devices for Zn-air batteries driving microbial CO ₂ electrolysis cell. <i>Journal of CO₂ Utilization</i> , 2022, 62, 102068.	3.3	3
18	CeO ₂ quantum dots engineering 3D carbon architectures toward dendrite-free Na anode and reversible Te cathode for high-performance Na-Te batteries. <i>Informa-Materials</i> , 2022, 4, .	8.5	11

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19	Ultrafine Ru nanoparticles confined in 3D nitrogen-doped porous carbon nanosheet networks for alkali-acid Zn-H ₂ hybrid battery. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119412.	10.8	41
20	The fluorine-doped and defects engineered carbon nanosheets as advanced electrocatalysts for oxygen electroreduction. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119721.	10.8	68
21	Recent Progress in Electrocatalytic Glycerol Oxidation. <i>Energy Technology</i> , 2021, 9, 2000804.	1.8	83
22	Rational design of Cu ₃ PdN nanocrystals for selective electroreduction of carbon dioxide to formic acid. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 491-497.	5.0	20
23	Electrochemical neutralization energy: from concept to devices. <i>Chemical Society Reviews</i> , 2021, 50, 1495-1511.	18.7	117
24	An Overview of Flexible Electrode Materials/Substrates for Flexible Electrochemical Energy Storage/Conversion Devices. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 606-619.	1.0	25
25	Electrocatalysis for CO ₂ conversion: from fundamentals to value-added products. <i>Chemical Society Reviews</i> , 2021, 50, 4993-5061.	18.7	559
26	Metal-Organic Framework-Derived CuS Nanocages for Selective CO ₂ Electroreduction to Formate. <i>CCS Chemistry</i> , 2021, 3, 199-207.	4.6	23
27	Significant contribution of single atomic Mn implanted in carbon nanosheets to high-performance sodium-ion hybrid capacitors. <i>Energy and Environmental Science</i> , 2021, 14, 4564-4573.	15.6	66
28	Hierarchical Carbon/Metal Nanostructure with a Combination of 0D Nanoparticles, 1D Nanofibers, and 2D Nanosheets: An Efficient Bifunctional Catalyst for Zinc-Air Batteries. <i>ChemElectroChem</i> , 2021, 8, 1107-1116.	1.7	7
29	Tri-profit electrolysis for energy-efficient production of benzoic acid and H ₂ . <i>Journal of Energy Chemistry</i> , 2021, 54, 30-35.	7.1	13
30	Boosting Electroreduction Kinetics of Nitrogen to Ammonia via Tuning Electron Distribution of Single-Atomic Iron Sites. <i>Angewandte Chemie</i> , 2021, 133, 9160-9167.	1.6	26
31	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.	7.2	157
32	Coupling effects of Zn single atom and high curvature supports for improved performance of CO ₂ reduction. <i>Science Bulletin</i> , 2021, 66, 1649-1649.	4.3	36
33	NiFeP-MoO ₂ hybrid nanorods on nickel foam as high-activity and high-stability electrode for overall water splitting. <i>Chemical Engineering Journal</i> , 2021, 409, 128161.	6.6	86
34	Engineering Bismuth-Tin Interface in Bimetallic Aerogel with a 3D Porous Structure for Highly Selective Electrocatalytic CO ₂ Reduction to HCOOH. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12554-12559.	7.2	188
35	Engineering Bismuth-Tin Interface in Bimetallic Aerogel with a 3D Porous Structure for Highly Selective Electrocatalytic CO ₂ Reduction to HCOOH. <i>Angewandte Chemie</i> , 2021, 133, 12662-12667.	1.6	36
36	N-doped Carbon Modifying MoS ₂ Nanosheets on Hollow Cubic Carbon for High-Performance Anodes of Sodium-Based Dual-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2101066.	7.8	45

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37	A General Self-Sacrifice Template Strategy to 3D Heteroatom-Doped Macroporous Carbon for High-Performance Potassium-Ion Hybrid Capacitors. <i>Nano-Micro Letters</i> , 2021, 13, 131.	14.4	40
38	Hybrid alkali-acid urea-nitrate fuel cell for degrading nitrogen-rich wastewater. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119892.	10.8	36
39	High-Performance Flow Alkali/Acid Hybrid Fuel Cell for High-Rate H_2 Generation. <i>Advanced Functional Materials</i> , 2021, 31, 2103248.	7.8	7
40	Facile Synthesis of P-Doped Carbon Nanosheets as Janus Electrodes of Advanced Potassium-Ion Hybrid Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29511-29521.	4.0	24
41	Bifunctional Electrolyzation for Simultaneous Organic Pollutant Degradation and Hydrogen Generation. <i>ACS ES&T Engineering</i> , 2021, 1, 1360-1368.	3.7	16
42	2D Heterostructure of Amorphous CoFeB Coating Black Phosphorus Nanosheets with Optimal Oxygen Intermediate Absorption for Improved Electrocatalytic Water Oxidation. <i>ACS Nano</i> , 2021, 15, 12418-12428.	7.3	67
43	Scalable Synthesis of Tungsten Disulfide Nanosheets for Alkali/Acid Electrocatalytic Sulfion Recycling and H_2 Generation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21550-21557.	7.2	82
44	Cl-doped carbon nitride nanostrips for remarkably improving visible-light photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 28591-28601.	3.8	15
45	Defect-Rich MoO_3 Nanobelt Cathode for a High-Performance Hybrid Alkali/Acid Zn- MoO_3 Rechargeable Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11524-11533.	3.2	20
46	Scalable Synthesis of Tungsten Disulfide Nanosheets for Alkali/Acid Electrocatalytic Sulfion Recycling and H_2 Generation. <i>Angewandte Chemie</i> , 2021, 133, 21720-21727.	1.6	4
47	N/B Co-doped carbon as metal-free cathode catalyst for high-performance asymmetric neutral-alkaline microbial fuel cell. <i>Electrochimica Acta</i> , 2021, 389, 138518.	2.6	10
48	$Co_3O_4@C@FeMoP$ on nickel foam as bifunctional electrocatalytic electrode for high-performance alkaline water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 32846-32857.	3.8	14
49	Visually resolving the direct Z-scheme heterojunction in $CdS@ZnIn_2S_4$ hollow cubes for photocatalytic evolution of H_2 and H_2O_2 from pure water. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120213.	10.8	123
50	Promotion for Full Water Splitting toward Vanadium-Incorporated $MoO_2@MoNi_4$ Hybrid Nanoarrays. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13225-13232.	3.2	12
51	High-Performance Bifunctional Electrocatalysts of Palladium Decoration on Carbon Nanoarchitectures for Indirect Releasing of H_2 Stored in Formate. <i>Small Structures</i> , 2021, 2, .	6.9	11
52	One-pot scalable route to tri-functional electrocatalysts $FeCoP_x$ nanoparticles for integrated electrochemical devices. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120275.	10.8	12
53	Nitrogen-doped graphite encapsulating $RuCo$ nanoparticles toward high-activity catalysis of water oxidation and reduction. <i>Chemical Engineering Journal</i> , 2021, 422, 130077.	6.6	23
54	Research progress in electrospinning engineering for all-solid-state electrolytes of lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2021, 61, 253-268.	7.1	52

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55	Material and configuration design strategies towards flexible and wearable power supply devices: a review. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8950-8965.	5.2	43
56	Online Electrochemistryâ€“Mass Spectrometry Evaluation of the Acidic Oxygen Evolution Reaction at Supported Catalysts. <i>ACS Catalysis</i> , 2021, 11, 12745-12753.	5.5	18
57	2â€‰D Hybrid of Niâ€“LDH Chips on Carbon Nanosheets as Cathode of Zincâ€“Air Battery for Electrocatalytic Conversion of O_2 into H_2O . <i>ChemSusChem</i> , 2020, 13, 1496-1503.	3.6	30
58	Fluorine doped carbon coating of $LiFePO_4$ as a cathode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 379, 122371.	6.6	122
59	Nanohybrid photocatalysts with $ZnIn_2S_4$ nanosheets encapsulated $UiO-66$ octahedral nanoparticles for visible-light-driven hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118152.	10.8	154
60	Selfâ€“Assembling of Conductive Interlayerâ€“Expanded WS_2 Nanosheets into 3D Hollow Hierarchical Microflower Bud Hybrids for Fast and Stable Sodium Storage. <i>Advanced Functional Materials</i> , 2020, 30, 1907677.	7.8	82
61	Highly Efficient Porous Carbon Electrocatalyst with Controllable Nâ€“Species Content for Selective CO_2 Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3244-3251.	7.2	167
62	Highly Efficient Porous Carbon Electrocatalyst with Controllable Nâ€“Species Content for Selective CO_2 Reduction. <i>Angewandte Chemie</i> , 2020, 132, 3270-3277.	1.6	20
63	Highâ€“Voltage Rechargeable Alkaliâ€“Acid Zn â€“ PbO_2 Hybrid Battery. <i>Angewandte Chemie</i> , 2020, 132, 23799-23803.	1.6	16
64	Moltenâ€“Saltâ€“Assisted Synthesis of Bismuth Nanosheets for Longâ€“Term Continuous Electrocatalytic Conversion of CO_2 to Formate. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20112-20119.	7.2	100
65	One-Step Low-Temperature Molten Salt Synthesis of Two-Dimensional $Si@SiO_x$ Hybrids for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55844-55855.	4.0	36
66	RuS_{2-x} quantum dots/rGO as bifunctional hydrogen electrocatalysts for harvesting electrochemical neutralization energy. <i>Journal of Power Sources</i> , 2020, 472, 228625.	4.0	22
67	Acidic Electrolytes: Highâ€“Performance Metalâ€“Free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid (<i>Adv. Funct. Mater.</i> 31/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070210.	7.8	1
68	Moltenâ€“Saltâ€“Assisted Synthesis of Bismuth Nanosheets for Longâ€“Term Continuous Electrocatalytic Conversion of CO_2 to Formate. <i>Angewandte Chemie</i> , 2020, 132, 20287-20294.	1.6	14
69	Recent progress in sodium/potassium hybrid capacitors. <i>Chemical Communications</i> , 2020, 56, 13933-13949.	2.2	41
70	Nickel doped MoS_2 nanoparticles as precious-metal free bifunctional electrocatalysts for glucose assisted electrolytic H_2 generation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 32940-32948.	3.8	21
71	Highâ€“Voltage Rechargeable Alkaliâ€“Acid Zn â€“ PbO_2 Hybrid Battery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23593-23597.	7.2	44
72	Hierarchical Multicavity Nitrogenâ€“Doped Carbon Nanospheres as Efficient Polyselenide Reservoir for Fast and Longâ€“Life Sodiumâ€“Selenium Batteries. <i>Small</i> , 2020, 16, e2005534.	5.2	44

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73	V8C7 decorating CoP nanosheets-assembled microspheres as trifunctional catalysts toward energy-saving electrolytic hydrogen production. <i>Chemical Engineering Journal</i> , 2020, 399, 125728.	6.6	42
74	Three-birds-with-one-stone electrolysis for energy-efficiency production of gluconate and hydrogen. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119178.	10.8	61
75	Thermally stable cobalt amide cyanide as high-activity and durable bifunctional electrocatalyst toward O ₂ and CO ₂ reduction. <i>Electrochimica Acta</i> , 2020, 353, 136605.	2.6	3
76	High-performance Metal-free Nanosheets Array Electrocatalyst for Oxygen Evolution Reaction in Acid. <i>Advanced Functional Materials</i> , 2020, 30, 2003000.	7.8	55
77	Ultrathin tin monosulfide nanosheets with the exposed (001) plane for efficient electrocatalytic conversion of CO ₂ into formate. <i>Chemical Science</i> , 2020, 11, 3952-3958.	3.7	55
78	Hierarchical porous carbon nanofibers for compatible anode and cathode of potassium-ion hybrid capacitor. <i>Energy and Environmental Science</i> , 2020, 13, 2431-2440.	15.6	229
79	Nitrogen and Sulfur Co-doped Carbon Nanosheets for Electrochemical Reduction of CO ₂ . <i>ChemCatChem</i> , 2020, 12, 2203-2208.	1.8	31
80	Hierarchical Architected Ternary Nanostructures Photocatalysts with In(OH) ₃ Nanocube on ZnIn ₂ S ₄ /NiS Nanosheets for Photocatalytic Hydrogen Evolution. <i>Solar Rrl</i> , 2020, 4, 2000027.	3.1	37
81	Rational construction of heterostructured core-shell Bi ₂ S ₃ @Co ₉ S ₈ complex hollow particles toward high-performance Li- and Na-ion storage. <i>Energy Storage Materials</i> , 2020, 29, 121-130.	9.5	98
82	Interfacial engineering of Ru-Sb/antimonene electrocatalysts for highly efficient electrolytic hydrogen generation in neutral electrolyte. <i>Chemical Communications</i> , 2019, 55, 10884-10887.	2.2	25
83	CoSe ₂ nanocrystals embedded into carbon support as coralline-like catalysts for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22787-22795.	3.8	9
84	Fast Redox Kinetics in Bi-Heteroatom Doped 3D Porous Carbon Nanosheets for High-performance Hybrid Potassium-ion Battery Capacitors. <i>Advanced Energy Materials</i> , 2019, 9, 1901533.	10.2	186
85	N-doped Carbon Nanofibers with Interweaved Nanochannels for High-performance Sodium-ion Storage. <i>Small</i> , 2019, 15, e1904054.	5.2	45
86	Monodisperse copper selenide nanoparticles for ultrasensitive and selective non-enzymatic glucose biosensor. <i>Electrochimica Acta</i> , 2019, 327, 135020.	2.6	14
87	Nanostructured Carbon Based Heterogeneous Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media. <i>ChemCatChem</i> , 2019, 11, 5855-5874.	1.8	70
88	Potassium-ion Hybrid Capacitors: Fast Redox Kinetics in Bi-Heteroatom Doped 3D Porous Carbon Nanosheets for High-performance Hybrid Potassium-ion Battery Capacitors (<i>Adv. Energy Mater.</i> 42/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970167.	10.2	5
89	Ni(OH) ₂ Nanosheet Electrocatalyst toward Alkaline Urea Electrolysis for Energy-saving Acidic Hydrogen Production. <i>ChemElectroChem</i> , 2019, 6, 5313-5320.	1.7	16
90	Almond shell derived porous carbon for a high-performance anode of microbial fuel cells. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3415-3421.	2.5	22

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91	FeS quantum dots embedded in 3D ordered macroporous carbon nanocomposite for high-performance sodium-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1138-1148.	5.2	93
92	From Jackfruit Rags to Hierarchical Porous N-Doped Carbon: A High-Performance Anode Material for Sodium-Ion Batteries. <i>Transactions of Tianjin University</i> , 2019, 25, 429-436.	3.3	5
93	Loading NiCo alloy nanoparticles onto nanocarbon for electrocatalytic conversion of arsenite into arsenate. <i>Electrochemistry Communications</i> , 2019, 104, 106477.	2.3	9
94	Novel hybrid Si film/highly branched graphene nanosheets for anode materials in lithium-ion batteries. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 345201.	1.3	6
95	Ru-RuO ₂ /CNT hybrids as high-activity pH-universal electrocatalysts for water splitting within 0.73 V in an asymmetric-electrolyte electrolyzer. <i>Nano Energy</i> , 2019, 61, 576-583.	8.2	151
96	Nitrogen-Doped Carbon Nanosheets Encapsulating Cobalt Nanoparticle Hybrids as High-Performance Bifunctional Electrocatalysts. <i>ChemElectroChem</i> , 2019, 6, 2683-2688.	1.7	17
97	Reversible Zn-quinone battery with harvesting electrochemical neutralization energy. <i>Journal of Power Sources</i> , 2019, 428, 37-43.	4.0	17
98	An interfacial engineering strategy of electrocatalyst boosts ammonia electrosynthesis. <i>Science China Chemistry</i> , 2019, 62, 921-922.	4.2	1
99	In situ formation of vanadium nitride quantum dots on N-doped carbon hollow spheres for superior lithium and sodium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9289-9296.	5.2	68
100	Molten-salt-mediated synthesis of porous Fe-containing N-doped carbon as efficient cathode catalysts for microbial fuel cells. <i>Applied Surface Science</i> , 2019, 481, 1206-1212.	3.1	49
101	Nitrogen-doped carbon coating mesoporous ZnS nanospheres as high-performance anode material of sodium-ion batteries. <i>Materials Today Communications</i> , 2019, 19, 396-401.	0.9	26
102	Hollow black TiAlO _x nanocomposites for solar thermal desalination. <i>Nanoscale</i> , 2019, 11, 9958-9968.	2.8	23
103	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.	3.2	58
104	Covalent organic frameworks derived hollow structured N-doped noble carbon for asymmetric-electrolyte Zn-air battery. <i>Science China Chemistry</i> , 2019, 62, 385-392.	4.2	29
105	Cu ₃ P/C Nanocomposites for Efficient Electrocatalytic CO ₂ Reduction and Zn-CO ₂ Battery. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3232-3236.	0.9	48
106	Recent advances in precious metal-free bifunctional catalysts for electrochemical conversion systems. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8006-8029.	5.2	221
107	Highly dispersed ultrasmall NiS ₂ nanoparticles in porous carbon nanofiber anodes for sodium ion batteries. <i>Nanoscale</i> , 2019, 11, 4688-4695.	2.8	107
108	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.	5.2	66

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109	Emerging nanostructured carbon-based non-precious metal electrocatalysts for selective electrochemical CO ₂ reduction to CO. Journal of Materials Chemistry A, 2019, 7, 25191-25202.	5.2	82
110	Layer-by-layer stacked nanohybrids of N,S-co-doped carbon film modified atomic MoS ₂ nanosheets for advanced sodium dual-ion batteries. Journal of Materials Chemistry A, 2019, 7, 24271-24280.	5.2	52
111	ZnIn ₂ S ₄ nanosheets decorating WO ₃ nanorods core-shell hybrids for boosting visible-light photocatalysis hydrogen generation. International Journal of Hydrogen Energy, 2019, 44, 3751-3759.	3.8	76
112	Porous Organic Polymer Gel Derived Electrocatalysts for Efficient Oxygen Reduction. ChemElectroChem, 2019, 6, 485-492.	1.7	19
113	N-doped porous carbon nanosheets as pH-universal ORR electrocatalyst in various fuel cell devices. Nano Energy, 2018, 49, 393-402.	8.2	300
114	3D Graphene Network Encapsulating Mesoporous ZnS Nanospheres as High-Performance Anode Material in Sodium-Ion Batteries. ChemElectroChem, 2018, 5, 1552-1558.	1.7	23
115	Superior electrocatalysis for hydrogen evolution with crumpled graphene/tungsten disulfide/tungsten trioxide ternary nanohybrids. Nano Energy, 2018, 47, 66-73.	8.2	71
116	Three-Dimensional Network Architecture with Hybrid Nanocarbon Composites Supporting Few-Layer MoS ₂ for Lithium and Sodium Storage. ACS Nano, 2018, 12, 1592-1602.	7.3	275
117	Alkaline-Acid Zn-H ₂ O Fuel Cell for the Simultaneous Generation of Hydrogen and Electricity. Angewandte Chemie - International Edition, 2018, 57, 3910-3915.	7.2	92
118	Less is More: Dopant-Free Hole Transporting Materials for High-Efficiency Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1702512.	10.2	236
119	Energy-efficient electrolytic hydrogen production assisted by coupling urea oxidation with a pH-gradient concentration cell. Chemical Communications, 2018, 54, 2603-2606.	2.2	99
120	An electrochemically neutralized energy-assisted low-cost acid-alkaline electrolyzer for energy-saving electrolysis hydrogen generation. Journal of Materials Chemistry A, 2018, 6, 4948-4954.	5.2	184
121	Heteroporous MoS ₂ /Ni ₃ S ₂ towards superior electrocatalytic overall urea splitting. Chemical Communications, 2018, 54, 5181-5184.	2.2	92
122	Fe/Fe ₃ C Nanoparticles Embedded in Nitrogen-Doped Carbon Nanotubes as Multifunctional Electrocatalysts for Oxygen Catalysis and CO ₂ Reduction. ChemElectroChem, 2018, 5, 471-477.	1.7	38
123	An Asymmetric Electrolyte Zn-Air Battery with Ultrahigh Power Density and Energy Density. ChemElectroChem, 2018, 5, 589-592.	1.7	50
124	Graphene-decorated carbon-coated LiFePO ₄ nanospheres as a high-performance cathode material for lithium-ion batteries. Carbon, 2018, 127, 149-157.	5.4	204
125	One-step pyrolysis route to three dimensional nitrogen-doped porous carbon as anode materials for microbial fuel cells. Applied Surface Science, 2018, 427, 10-16.	3.1	66
126	Robust 3D network architectures of MnO nanoparticles bridged by ultrathin graphitic carbon for high-performance lithium-ion battery anodes. Nano Research, 2018, 11, 1135-1145.	5.8	33

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127	Frontispiz: Alkaline-Acid Zn-H ₂ O Fuel Cell for the Simultaneous Generation of Hydrogen and Electricity. <i>Angewandte Chemie</i> , 2018, 130, .	1.6	0
128	Alkaline-Acid Zn-H ₂ O Fuel Cell for the Simultaneous Generation of Hydrogen and Electricity. <i>Angewandte Chemie</i> , 2018, 130, 3974-3979.	1.6	52
129	Self-supported bimetallic Ni-Co compound electrodes for urea- and neutralization energy-assisted electrolytic hydrogen production. <i>Nanoscale</i> , 2018, 10, 21087-21095.	2.8	73
130	Porous platinum-silver bimetallic alloys: surface composition and strain tunability toward enhanced electrocatalysis. <i>Nanoscale</i> , 2018, 10, 21703-21711.	2.8	20
131	Energetic Span as a Rate-Determining Term for Electrocatalytic Volcanos. <i>ACS Catalysis</i> , 2018, 8, 10590-10598.	5.5	63
132	A self-supported Ni-Co perselenide nanorod array as a high-activity bifunctional electrode for a hydrogen-producing hydrazine fuel cell. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17763-17770.	5.2	81
133	Self-supported three-dimensional Cu/Cu ₂ O-CuO/rGO nanowire array electrodes for an efficient hydrogen evolution reaction. <i>Chemical Communications</i> , 2018, 54, 6388-6391.	2.2	37
134	3D Graphene Network Encapsulating Mesoporous ZnS Nanospheres as High-Performance Anode Material in Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2018, 5, 1536-1536.	1.7	2
135	Fe Vacancies Induced Surface FeO ₆ in Nanoarchitectures of N-Doped Graphene Protected FeOOH: Effective Active Sites for pH-Universal Electrocatalytic Oxygen Reduction. <i>Advanced Functional Materials</i> , 2018, 28, 1803330.	7.8	51
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