Qing Jiang

List of Publications by Year in descending order

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		2544	7348
818	37,817	96	152
papers	citations	h-index	g-index

827	827	827	33711
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	VN nanoparticle-assembled hollow microspheres/N-doped carbon nanofibers: An anode material for superior potassium storage. Nano Materials Science, 2022, 4, 104-112.	8.8	20
2	Ga doping enables superior alkaline hydrogen evolution reaction performances of CoP. Chemical Engineering Journal, 2022, 429, 132012.	12.7	25
3	Effects of surface and grain boundary on temperature-pressure nano-phase diagrams of nanostructured carbon. Scripta Materialia, 2022, 207, 114267.	5.2	2
4	Mechanistic insights into the electrochemical Li/Na/K-ion storage for aqueous bismuth anode. Energy Storage Materials, 2022, 45, 33-39.	18.0	23
5	Design heterostructure of NiSâ€“NiS2 on NiFe layered double hydroxide with Mo doping for efficient overall water splitting. Materials Today Energy, 2022, 23, 100906.	4.7	17
6	Tailoring electronic structure of copper nanosheets by silver doping toward highly efficient electrochemical reduction of nitrogen to ammonia. Chemical Engineering Journal, 2022, 433, 133752.	12.7	30
7	Effectively boosting selective ammonia synthesis on electron-deficient surface of MoB2. Applied Catalysis B: Environmental, 2022, 305, 121023.	20.2	41
8	Inhibited shuttle effect by functional separator for room-temperature sodium-sulfur batteries. Journal of Materials Science and Technology, 2022, 113, 207-216.	10.7	17
9	Ultrasmall AuPd nanoclusters on amine-functionalized carbon blacks as high-performance bi-functional catalysts for ethanol electrooxidation and formic acid dehydrogenation. Journal of Energy Chemistry, 2022, 68, 556-563.	12.9	20
10	A transferable machine-learning scheme from pure metals to alloys for predicting adsorption energies. Journal of Materials Chemistry A, 2022, 10, 872-880.	10.3	33
11	Aluminum-copper alloy anode materials for high-energy aqueous aluminum batteries. Nature Communications, 2022, 13, 576.	12.8	61
12	Intermetallic Cu₁₁In₉in situ formed on hierarchical nanoporous Cu for highly selective CO₂ electroreduction. Journal of Materials Chemistry A, 2022, 10, 4333-4343.	10.3	7
13	Interface Engineering of Co/CoMoN/NF Heterostructures for Highâ€Performance Electrochemical Overall Water Splitting. Advanced Science, 2022, 9, e2105313.	11.2	90
14	Os₁B₁₁N₁₂/C₂N as an Efficient Electrocatalyst for Nitrogen Reduction Reaction. ChemSusChem, 2022, 15, e202102648.	6.8	6
15	A universal picture for ejecting atoms on metallics. Acta Materialia, 2022, 228, 117792.	7.9	3
16	Tri-metallic AuPdIr nanoalloy towards efficient hydrogen generation from formic acid. Applied Catalysis B: Environmental, 2022, 309, 121228.	20.2	25
17	Boosting the OER/ORR/HER activity of Ru-doped Ni/Co oxides heterostructure. Chemical Engineering Journal, 2022, 439, 135634.	12.7	49
18	Tetragonal transition metal selenide for hydrogen evolution. Applied Surface Science, 2022, 591, 153249.	6.1	19

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19	Ultrahigh-energy and -power aqueous rechargeable zinc-ion microbatteries based on highly cation-compatible vanadium oxides. Journal of Materials Science and Technology, 2022, 120, 159-166.	10.7	11
20	W coordinated with unsymmetrical S1N3 (W-S1N3) as an electrocatalyst for efficient ammonia synthesis. Materials Letters, 2022, 320, 132381.	2.6	1
21	Snâ€‚Sbâ€•and Biâ€Based Anodes for Potassium Ion Battery. Chemical Record, 2022, 22, .	5.8	13
22	Surface-Alloyed Nanoporous Zinc as Reversible and Stable Anodes for High-Performance Aqueous Zinc-Ion Battery. Nano-Micro Letters, 2022, 14, .	27.0	65
23	Synchronous bi-modulation by nanoclusters and single atoms for high-efficient oxygen reduction electrocatalysis. Chemical Engineering Journal, 2022, 446, 137441.	12.7	12
24	Construction of Ni₃S₂-Ni_xP_y/NF@NiFe LDH with heterogeneous interface to accelerate catalytic kinetics of overall water splitting. Materials Research Letters, 2022, 10, 762-770.	8.7	8
25	Potassium-ion batteries with novel N, O enriched corn silk-derived carbon as anode exhibiting excellent rate performance. Journal of Power Sources, 2021, 481, 228644.	7.8	40
26	W-N3 center supported on blue phosphorus as a promising efficient electrocatalyst with ultra-low limiting potential for nitrogen fixation. Applied Surface Science, 2021, 536, 147706.	6.1	13
27	Al, Fe-codoped CoP nanoparticles anchored on reduced graphene oxide as bifunctional catalysts to enhance overall water splitting. Chemical Engineering Journal, 2021, 421, 127856.	12.7	44
28	Constructing ultra-long life and super-rate rechargeable aqueous zinc-ion batteries by integrating Mn doped V6O13 nanoribbons with sulfur-nitrogen modified porous carbon. Materials Today Energy, 2021, 19, 100593.	4.7	25
29	Mn-doped ZnO microspheres as cathode materials for aqueous zinc ion batteries with ultrastability up to 10 000 cycles at a large current density. Chemical Engineering Journal, 2021, 421, 127770.	12.7	23
30	Nanoporous Surface Highâ€Entropy Alloys as Highly Efficient Multisite Electrocatalysts for Nonacidic Hydrogen Evolution Reaction. Advanced Functional Materials, 2021, 31, 2009613.	14.9	145
31	Mechanochemistry for ammonia synthesis under mild conditions. Nature Nanotechnology, 2021, 16, 325-330.	31.5	141
32	Metal-organic framework derived Co3O4@Mo-Co3S4-Ni3S2 heterostructure supported on Ni foam for overall water splitting. Chemical Engineering Journal, 2021, 413, 127482.	12.7	64
33	Designing fluorographene with FeN4 and CoN4 moieties for oxygen electrode reaction: A density functional theory study. Applied Surface Science, 2021, 537, 147846.	6.1	23
34	Insights into oxygen activation on metal clusters for catalyst design. Journal of Materials Chemistry A, 2021, 9, 11726-11733.	10.3	4
35	Electronic and geometric determinants of adsorption: fundamentals and applications. JPhys Energy, 2021, 3, 022001.	5.3	18
36	Understanding water slippage through carbon nanotubes. Physical Chemistry Chemical Physics, 2021, 23, 14737-14745.	2.8	1

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37	Low-crystallinity mesoporous NiGaFe hydroxide nanosheets on macroporous Ni foam for high-efficiency oxygen evolution electrocatalysis. Journal of Materials Chemistry A, 2021, 9, 6223-6231.	10.3	24
38	Tuning the electronic structure of NiCoVO_x nanosheets through S doping for enhanced oxygen evolution. Nanoscale, 2021, 13, 17022-17027.	5.6	9
39	Enabling high-performance room-temperature sodium/sulfur batteries with few-layer 2H-MoSe₂embellished nitrogen-doped hollow carbon spheres as polysulfide barriers. Journal of Materials Chemistry A, 2021, 9, 3451-3463.	10.3	36
40	Rational design of an Fe cluster catalyst for robust nitrogen activation. Journal of Materials Chemistry A, 2021, 9, 21219-21227.	10.3	24
41	Self-supported hierarchical nanoporous Cu/Mo@MoOx hybrid electrodes as robust nonprecious electrocatalysts for high-efficiency hydrogen evolution. Current Nanoscience, 2021, 16, .	1.2	0
42	Regulating Fe₂(MoO₄)₃ by Au Nanoparticles for Efficient N₂ Electroreduction under Ambient Conditions. Advanced Energy Materials, 2021, 11, 2003701.	19.5	31
43	Boosting Production of HCOOH from CO₂ Electroreduction via Bi/CeO_x. Angewandte Chemie - International Edition, 2021, 60, 8798-8802.	13.8	130
44	Boosting Production of HCOOH from CO 2 Electroreduction via Bi/CeO x. Angewandte Chemie, 2021, 133, 8880-8884.	2.0	3
45	Steric Hindranceâ€•and Work Functionâ€Promoted High Performance for Electrochemical CO Methanation on Antisite Defects of MoS 2 and WS 2. ChemSusChem, 2021, 14, 2255-2261.	6.8	6
46	CoMoO3 Nanoplate/Reduced Graphene Oxide Composites Decorated with Ag Nanoparticles for Electrocatalytic Water Oxidation. ACS Applied Nano Materials, 2021, 4, 5383-5393.	5.0	9
47	Moâ€/Coâ€Nâ€C Hybrid Nanosheets Oriented on Hierarchical Nanoporous Cu as Versatile Electrocatalysts for Efficient Water Splitting. Advanced Functional Materials, 2021, 31, 2102285.	14.9	41
48	An effective scheme to determine surface energy and its relation with adsorption energy. Acta Materialia, 2021, 212, 116895.	7.9	16
49	CoMoO4/rGO hybrid structure embellished with Cu nanoparticles: An electrocatalyst rich in oxygen vacancies towards enhanced oxygen evolution reaction. Materials Letters, 2021, 293, 129741.	2.6	2
50	Ballâ€Cactusâ€Like Bi Embedded in Nâ€Riched Carbon Nanonetworks Enables the Best Potassium Storage Performance. Advanced Functional Materials, 2021, 31, 2103067.	14.9	42
51	Ceâ€Modified Ni(OH)₂ Nanoflowers Supported on NiSe₂ Octahedra Nanoparticles as Highâ€Efficient Oxygen Evolution Electrocatalyst. Advanced Energy Materials, 2021, 11, 2101266.	19.5	83
52	Nanoporous Intermetallic Cu₃Sn/Cu Hybrid Electrodes as Efficient Electrocatalysts for Carbon Dioxide Reduction. Small, 2021, 17, e2100683.	10.0	22
53	MOFâ€Derived Fe₇S₈ Nanoparticles/Nâ€Doped Carbon Nanofibers as an Ultraâ€Stable Anode for Sodiumâ€Ion Batteries. Small, 2021, 17, e2102349.	10.0	42
54	Sodium storage performance of ultrasmall SnSb nanoparticles. Chemical Engineering Journal, 2021, 420, 129617.	12.7	16

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55	Synergistic Effect of Active Sites of Doubleâ€Atom Catalysts for Nitrogen Reduction Reaction. ChemSusChem, 2021, 14, 4593-4600.	6.8	18
56	Well-dispersive Pt nanoparticles grown on 3D nitrogen- and sulfur-codoped graphene nanoribbon architectures: highly active electrocatalysts for methanol oxidation. Materials Today Energy, 2021, 21, 100814.	4.7	13
57	A self-supporting bifunctional catalyst electrode made of amorphous and porous CoP3 nanoneedle array: exhaling during overall water splitting. Electrochimica Acta, 2021, 393, 138986.	5.2	7
58	High spin polarization ultrafine Rh nanoparticles on CNT for efficient electrochemical N2 fixation to ammonia. Applied Catalysis B: Environmental, 2021, 298, 120592.	20.2	38
59	Theory-guided design of nanoporous CuMn alloy for efficient electrocatalytic nitrogen reduction to ammonia. Chemical Engineering Journal, 2021, 426, 131843.	12.7	27
60	Mo decoration on graphene edge for nitrogen fixation: A computational investigation. Applied Surface Science, 2021, 568, 150867.	6.1	11
61	Design of bimetallic atomic catalysts for CO₂ reduction based on an effective descriptor. Journal of Materials Chemistry A, 2021, 9, 4770-4780.	10.3	32
62	Rational design of porous Sn nanospheres/N-doped carbon nanofibers as an ultra-stable potassium-ion battery anode material. Journal of Materials Chemistry A, 2021, 9, 5740-5750.	10.3	40
63	Supported ultrafine NiPtâ€“MoO_xnanocomposites as highly efficient catalysts for complete dehydrogenation of hydrazine borane. Journal of Materials Chemistry A, 2021, 9, 26704-26708.	10.3	11
64	Interface Engineering of CoP₃/Ni₂P for Boosting the Wide pH Range Water-Splitting Activity. ACS Applied Materials & Interfaces, 2021, 13, 52598-52609.	8.0	20
65	Efficient Electrocatalytic Nitrogen Reduction to Ammonia on Ultrafine Sn Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 59834-59842.	8.0	9
66	Mesoporous FeMoV Oxide Nanosheets Supported on Nickel Foam as Highly Efficient Electrocatalysts for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2021, 4, 14059-14067.	5.1	1
67	Eggshell-like MoS₂ Nanostructures with Negative Curvature and Stepped Faces for Efficient Hydrogen Evolution Reactions. ACS Applied Nano Materials, 2021, 4, 14086-14093.	5.0	5
68	Fe7Se8 nanoparticles anchored on N-doped carbon nanofibers as high-rate anode for sodium-ion batteries. Energy Storage Materials, 2020, 24, 439-449.	18.0	121
69	Highly Nitrogenâ€Doped Porous Carbon Nanosheets as Highâ€Performance Anode for Potassiumâ€Ion Batteries. Batteries and Supercaps, 2020, 3, 185-193.	4.7	30
70	N/O Dualâ€Doped Environmentâ€Friendly Hard Carbon as Advanced Anode for Potassiumâ€Ion Batteries. Advanced Science, 2020, 7, 1902547.	11.2	208
71	Distinguishing the Structure of High-Pressure Hydrogen with Dielectric Constants. Journal of Physical Chemistry Letters, 2020, 11, 664-669.	4.6	3
72	3D flower-Like Co1â^'xS/MoS2 composite for long-life and high-rate lithium storage. Journal of Energy Storage, 2020, 27, 101135.	8.1	13

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73	NiS₂ nanoparticles anchored on open carbon nanohelmets as an advanced anode for lithium-ion batteries. Nanoscale Advances, 2020, 2, 512-519.	4.6	30
74	A layered porous Ni structure contributes to superior low-temperature performance of hydrogen storage alloys. International Journal of Hydrogen Energy, 2020, 45, 2157-2167.	7.1	10
75	Suppressed Shuttle via Inhibiting the Formation of Longâ€Chain Lithium Polysulfides and Functional Separator for Greatly Improved Lithiumâ€“Organosulfur Batteries Performance. Advanced Energy Materials, 2020, 10, 1902695.	19.5	30
76	Design of Effective Graphene with the TM/O Moiety for the Oxygen Electrode Reaction. ACS Applied Energy Materials, 2020, 3, 260-267.	5.1	24
77	Effective Descriptor for Designing High-Performance Catalysts for the Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2020, 124, 23134-23142.	3.1	20
78	Oxidation Resistance Failure of Dilute CuAl alloys at 800 Â°C. Materials Today Communications, 2020, 25, 101529.	1.9	1
79	Enhancing the brightness and saturation of noniridescent structural colors by optimizing the grain size. Nanoscale Advances, 2020, 2, 4581-4590.	4.6	5
80	Hollow N-doped carbon nanofibers provide superior potassium-storage performance. Nanoscale Advances, 2020, 2, 4187-4198.	4.6	11
81	High-loading intrinsic active sites for ammonia synthesis using efficient single-atom catalyst: 2D tungsten-porphyrin sheet. Applied Surface Science, 2020, 529, 147183.	6.1	16
82	Scheme for Screening O₂ Reduction Electrocatalysts: From Pure Metals and Alloys to Single-Atom Catalysts. Journal of Physical Chemistry C, 2020, 124, 25412-25420.	3.1	11
83	MOF-derived LDH wrapped with rGO as an efficient sulfur host for lithium-sulfur batteries. Journal of Electroanalytical Chemistry, 2020, 876, 114545.	3.8	19
84	A machine learning scheme for the catalytic activity of alloys with intrinsic descriptors. Journal of Materials Chemistry A, 2020, 8, 17507-17515.	10.3	60
85	Electrochemical performance of electrospun lotusâ€“rootâ€“structure porous multichannel carbon nanotubes for lithiumâ€“sulfur battery applications. Journal of Electroanalytical Chemistry, 2020, 878, 114564.	3.8	15
86	Distinguishing the Structures of High-Pressure Hydrides with Nuclear Magnetic Resonance Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 9439-9445.	4.6	4
87	Composites of Reduced Graphene Oxide and Fe₂O₃ Nanoparticles Anchored on MoS₂ Nanosheets for Lithium Storage. ACS Applied Nano Materials, 2020, 3, 9009-9015.	5.0	11
88	Giant Rashba splitting in one-dimensional atomic tellurium chains. Nanoscale, 2020, 12, 10277-10283.	5.6	12
89	Hydrangea-like microspheres as anodes toward long-life and high-capacity lithium storage. Journal of Materials Science, 2020, 55, 12151-12164.	3.7	3
90	3D hierarchical self-supported NiO/Co₃O₄@C/CoS₂ nanocomposites as electrode materials for high-performance supercapacitors. Nanoscale Advances, 2020, 2, 2785-2791.	4.6	27

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91	Mesoporous Nitrogenâ€Doped Carbon Nanospheres as Sulfur Matrix and a Novel Chelateâ€Modified Separator for Highâ€Performance Roomâ€Temperature Naâ€S Batteries. Small, 2020, 16, e1907464.	10.0	57
92	Composition- and layer-dependent bandgap of two-dimensional transition metal dichalcogenides alloys. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114243.	2.7	4
93	Spontaneously separated intermetallic Co3Mo from nanoporous copper as versatile electrocatalysts for highly efficient water splitting. Nature Communications, 2020, 11, 2940.	12.8	146
94	Lamella-nanostructured eutectic zincâ€“aluminum alloys as reversible and dendrite-free anodes for aqueous rechargeable batteries. Nature Communications, 2020, 11, 1634.	12.8	426
95	Determining the adsorption energies of small molecules with the intrinsic properties of adsorbates and substrates. Nature Communications, 2020, 11, 1196.	12.8	140
96	A triple atom catalyst with ultrahigh loading potential for nitrogen electrochemical reduction. Journal of Materials Chemistry A, 2020, 8, 15086-15093.	10.3	48
97	Graphene-MoS₂ vertically anchored on an MXene-derived accordion-like TiO₂/C skeleton: an ultrastable HER catalyst. Journal of Materials Chemistry A, 2020, 8, 14223-14233.	10.3	28
98	Nonlocal Electronic Correlations in the Cohesive Properties of High-Pressure Hydrogen Solids. Journal of Physical Chemistry Letters, 2020, 11, 1521-1527.	4.6	6
99	Efficient CO₂ Reduction to HCOOH with High Selectivity and Energy Efficiency over Bi/rGO Catalyst. Small Methods, 2020, 4, 1900846.	8.6	70
100	The VN3 embedded graphane with the improved selectivity for nitrogen fixation. Applied Surface Science, 2020, 513, 145855.	6.1	23
101	Rice-shaped Fe2O3@C@Mn3O4 with three-layer core-shell structure as a high-performance anode for lithium-ion batteries. Journal of Electroanalytical Chemistry, 2020, 861, 113942.	3.8	9
102	Recent progress on metallic Sn- and Sb-based anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 2913-2933.	10.3	91
103	Flexible Coâ€“Moâ€“N/Au Electrodes with a Hierarchical Nanoporous Architecture as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. Advanced Materials, 2020, 32, e1907214.	21.0	114
104	Effective scheme for understanding rolling and sliding at nanoscale. Carbon, 2020, 161, 269-276.	10.3	9
105	Engineering oxygen vacancy on iron oxides/hollow carbon cloth electrode toward stable lithium-ion batteries. Chemical Engineering Journal, 2020, 388, 124229.	12.7	26
106	Sulfur-Modified Carbon-Coated CoMoO₃ Nanohybrid Electrodes for Enhanced Lithium-Storage Capacity. ACS Applied Nano Materials, 2020, 3, 1808-1820.	5.0	9
107	Universal Principle to Describe Reactivity and Selectivity of CO₂ Electroreduction on Transition Metals and Single-Atom Catalysts. Journal of Physical Chemistry C, 2020, 124, 25898-25906.	3.1	20
108	MnO/Mn₂O₃ Nanowires Coated by Porous N-Doped Carbon for Long-Cycle and High-Rate Lithium-Ion Batteries. ACS Applied Nano Materials, 2020, 3, 5612-5624.	5.0	24

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109	Intermetallic Cu ₅ Zr Clusters Anchored on Hierarchical Nanoporous Copper as Efficient Catalysts for Hydrogen Evolution Reaction. Research, 2020, 2020, 2987234.	5.7	21
110	N-Doped Carbon Nanonecklaces with Encapsulated Sb as a Sodium-Ion Battery Anode. Matter, 2019, 1, 720-733.	10.0	76
111	Recent advances of nanoporous metal-based catalyst: synthesis, application and perspectives. Journal of Iron and Steel Research International, 2019, 26, 779-795.	2.8	9
112	Insight into the excellent catalytic activity of (CoMo)S2/graphene for hydrogen evolution reaction. Applied Catalysis B: Environmental, 2019, 258, 118012.	20.2	44
113	Flower-like carbon supported Pdâ€“Ni bimetal nanoparticles catalyst for formic acid electrooxidation. Electrochimica Acta, 2019, 324, 134816.	5.2	26
114	ZnFe2O4@PPy core-shell structure for high-rate lithium-ion storage. Journal of Electroanalytical Chemistry, 2019, 851, 113442.	3.8	18
115	Dissociating stable nitrogen molecules under mild conditions by cyclic strain engineering. Science Advances, 2019, 5, eaax8275.	10.3	9
116	Facile Synthesis of Flowerâ€Like MnCo 2 O 4 @PANiâ€rGO: A Highâ€Performance Anode Material for Lithiumâ€Ion Batteries. ChemPlusChem, 2019, 84, 1596-1603.	2.8	6
117	CO adsorption on metal doped 2D InSe: Mechanism and application. Progress in Natural Science: Materials International, 2019, 29, 305-309.	4.4	7
118	Dual-phase nanostructuring of layered metal oxides for high-performance aqueous rechargeable potassium ion microbatteries. Nature Communications, 2019, 10, 4292.	12.8	66
119	Three-dimensional Ni/MnO2 nanocylinder array with high capacitance for supercapacitors. Results in Physics, 2019, 12, 1411-1416.	4.1	10
120	Highly Efficient Photoelectrochemical Water Splitting: Surface Modification of Cobaltâ€Phosphateâ€Loaded Co₃O₄/Fe₂O₃ pâ€“n Heterojunction Nanorod Arrays. Advanced Functional Materials, 2019, 29, 1801902.	14.9	220
121	Atomic (single, double, and triple atoms) catalysis: frontiers, opportunities, and challenges. Journal of Materials Chemistry A, 2019, 7, 3492-3515.	10.3	252
122	Tuning the catalytic activity of a single Mo atom supported on graphene for nitrogen reduction via Se atom doping. Physical Chemistry Chemical Physics, 2019, 21, 14583-14588.	2.8	57
123	Nanoporous Palladiumâ€“Silver Surface Alloys as Efficient and pH-Universal Catalysts for the Hydrogen Evolution Reaction. ACS Energy Letters, 2019, 4, 1379-1386.	17.4	72
124	Fe₃Câ€Co Nanoparticles Encapsulated in a Hierarchical Structure of Nâ€Doped Carbon as a Multifunctional Electrocatalyst for ORR, OER, and HER. Advanced Functional Materials, 2019, 29, 1901949.	14.9	297
125	Generating Defectâ€Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. Angewandte Chemie - International Edition, 2019, 58, 9464-9469.	13.8	226
126	Generating Defectâ€Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. Angewandte Chemie, 2019, 131, 9564-9569.	2.0	47

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127	Enhanced reversible capability of a macroporous ZnMn₂O₄/C microsphere anode with a water-soluble binder for long-life and high-rate lithium-ion storage. Inorganic Chemistry Frontiers, 2019, 6, 1535-1545.	6.0	22
128	Favored decomposition paths of hydrogen sulfide at high pressure. New Journal of Physics, 2019, 21, 033023.	2.9	7
129	Ethanol Assisted Transfer for Clean Assembly of 2D Building Blocks and Suspended Structures. Advanced Functional Materials, 2019, 29, 1902427.	14.9	14
130	Simultaneous Achieving of High Faradaic Efficiency and CO Partial Current Density for CO₂ Reduction via Robust, Nobleâ€Metalâ€Free Zn Nanosheets with Favorable Adsorption Energy. Advanced Energy Materials, 2019, 9, 1900276.	19.5	95
131	Molecular Switch by Adsorbing the Au₆ Cluster on Single-Walled Carbon Nanotubes: Role of Many-Body Effects of vdW Forces. Journal of Physical Chemistry C, 2019, 123, 9217-9222.	3.1	6
132	Single metal atoms regulated flexibly by a 2D InSe substrate for CO₂ reduction electrocatalysts. Journal of Materials Chemistry A, 2019, 7, 8210-8217.	10.3	26
133	Charge Storage by Electrochemical Reaction of Water Bilayers Absorbed on MoS2 Monolayers. Scientific Reports, 2019, 9, 3980.	3.3	16
134	Nanoporous gold supported chromium-doped NiFe oxyhydroxides as high-performance catalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 9690-9697.	10.3	33
135	Design of Pt/t-ZrO2/g-C3N4 efficient photocatalyst for the hydrogen evolution reaction. Applied Catalysis B: Environmental, 2019, 251, 305-312.	20.2	118
136	A Simple and Effective Principle for a Rational Design of Heterogeneous Catalysts for Dehydrogenation of Formic Acid. Advanced Materials, 2019, 31, e1806781.	21.0	95
137	Monolayer tellurenyne assembled with helical telluryne: structure and transport properties. Nanoscale, 2019, 11, 4053-4060.	5.6	7
138	Raising glass transition temperature of polymer nanofilms as a function of negative interface energy. Physical Chemistry Chemical Physics, 2019, 21, 5224-5231.	2.8	0
139	The microtubule-associated protein EML3 regulates mitotic spindle assembly by recruiting the Augmin complex to spindle microtubules. Journal of Biological Chemistry, 2019, 294, 5643-5656.	3.4	12
140	Improved electrochemical performance of Li-S battery with carbon and polymer-modified cathode. Applied Surface Science, 2019, 479, 265-272.	6.1	25
141	Lowâ€Temperature Conversion of Alcohols into Bulky Nanoporous Graphene and Pure Hydrogen with Robust Selectivity on CaO. Advanced Materials, 2019, 31, e1807267.	21.0	22
142	Understanding electro-catalysis by using density functional theory. Physical Chemistry Chemical Physics, 2019, 21, 23782-23802.	2.8	53
143	Strain engineering of the electronic and transport properties of monolayer tellurenyne. Physical Chemistry Chemical Physics, 2019, 21, 23119-23128.	2.8	2
144	Activated basal planes of WS₂ by intrinsic defects as catalysts for the electrocatalytic nitrogen reduction reaction. Journal of Materials Chemistry A, 2019, 7, 25961-25968.	10.3	47

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145	Hierarchical nanoporous intermetallic compounds with self-grown transition-metal hydroxides as bifunctional catalysts for the alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 25925-25931.	10.3	15
146	Effects of atomic species and interatomic distance on the interactions in one-dimensional nanomaterials. Physical Chemistry Chemical Physics, 2019, 21, 25889-25895.	2.8	2
147	MOF-derived NiOâ€“NiCo₂O₄@PPy hollow polyhedron as a sulfur immobilizer for lithiumâ€“sulfur batteries. New Journal of Chemistry, 2019, 43, 18294-18303.	2.8	26
148	Invigorating the catalytic performance of CoP through interfacial engineering by Ni₂P precipitation. Journal of Materials Chemistry A, 2019, 7, 26177-26186.	10.3	13
149	In-situ synthesis of Co1â^'xS-rGO composite for high-rate lithium-ion storage. Journal of Electroanalytical Chemistry, 2019, 833, 380-386.	3.8	15
150	Reconstructed Orthorhombic V2O5 Polyhedra for Fast Ion Diffusion in K-Ion Batteries. CheM, 2019, 5, 168-179.	11.7	174
151	Prevention of dendrite growth and volume expansion to give high-performance aprotic bimetallic Li-Na alloyâ€“O2 batteries. Nature Chemistry, 2019, 11, 64-70.	13.6	265
152	Tailoring Oxygen Vacancies of BiVO₄ toward Highly Efficient Nobleâ€Metalâ€Free Electrocatalyst for Artificial N₂ Fixation under Ambient Conditions. Small Methods, 2019, 3, 1800333.	8.6	84
153	Thickness-dependent bandgap of transition metal dichalcogenides dominated by interlayer van der Waals interaction. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 109, 11-16.	2.7	16
154	Electroreduction of CO₂ on Cu Clusters: The Effects of Size, Symmetry, and Temperature. ChemElectroChem, 2019, 6, 1831-1837.	3.4	36
155	Adsorption of Na on silicene for potential anode for Na-ion batteries. Electrochimica Acta, 2019, 297, 497-503.	5.2	35
156	Single or Double: Which Is the Altar of Atomic Catalysts for Nitrogen Reduction Reaction?. Small Methods, 2019, 3, 1800291.	8.6	210
157	Oxidation kinetics of nanocrystalline Al thin films. Anti-Corrosion Methods and Materials, 2019, 66, 638-643.	1.5	1
158	Novel electronic properties of two-dimensional As_xSb_y alloys studied using DFT. Journal of Materials Chemistry C, 2018, 6, 2854-2861.	5.5	17
159	Thickness-dependent surface energies of few-layered arsenene and antimonene films in Î± and Î² phases. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 101, 38-43.	2.7	8
160	Amorphizing of Cu Nanoparticles toward Highly Efficient and Robust Electrocatalyst for CO₂ Reduction to Liquid Fuels with High Faradaic Efficiencies. Advanced Materials, 2018, 30, e1706194.	21.0	242
161	Review of Carbon Materials for Lithiumâ€Sulfur Batteries. ChemistrySelect, 2018, 3, 2245-2260.	1.5	92
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