

List of Publications by Year in descending order

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436
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436
docs citations

436
times ranked

38207
citing authors

#	ARTICLE	IF	CITATIONS
1	Localized domains staging structure and evolution in lithiated graphite. , 2023, 5, .		21
2	Moiré Fringe Method via Scanning Transmission Electron Microscopy. Small Methods, 2022, 6, e2101040.	4.6	25
3	Understanding the structural dynamics of electrocatalysts via liquid cell transmission electron microscopy. Current Opinion in Electrochemistry, 2022, 33, 100936.	2.5	7
4	Ensemble Machine Learning-Based Analysis for In Situ Electron Diffraction. Advanced Theory and Simulations, 2022, 5, .	1.3	7
5	Topologically protected oxygen redox in a layered manganese oxide cathode for sustainable batteries. Nature Sustainability, 2022, 5, 214-224.	11.5	44
6	Passive Oxide Film Growth Observed On the Atomic Scale. Advanced Materials Interfaces, 2022, 9, .	1.9	4
7	Enhancing CO Oxidation Activity via Tuning a Charge Transfer Between Gold Nanoparticles and Supports. Journal of Physical Chemistry C, 2022, 126, 4836-4844.	1.5	1
8	Structure modification of Ni-rich layered oxide cathode toward advanced lithium-ion batteries. Journal of Materials Research, 2022, 37, 3250-3268.	1.2	4
9	A self-purifying electrolyte enables high energy Li ion batteries. Energy and Environmental Science, 2022, 15, 3331-3342.	15.6	40
10	Quasi-Covalently Coupled Ni-Cu Atomic Pair for Synergistic Electroreduction of CO ₂ . Journal of the American Chemical Society, 2022, 144, 9661-9671.	6.6	134
11	Rhombohedral Pd-Sb Nanoplates with Pd-Terminated Surface: An Efficient Bifunctional Fuel Cell Catalyst. Advanced Materials, 2022, 34, .	11.1	33
12	A laminated carbon nanotubes/silicon boron carbonitride film for high-efficiency electromagnetic interference shielding with oxidation resistance. Carbon, 2022, 197, 65-75.	5.4	11
13	Engineering Atomically Dispersed FeN ₄ Active Sites for CO ₂ Electroreduction. Angewandte Chemie, 2021, 133, 1035-1045.	1.6	39
14	In Operando Visualization of Cation Disorder Unravels Voltage Decay in Ni-Rich Cathodes. Small Methods, 2021, 5, e2000730.	4.6	18
15	Engineering Atomically Dispersed FeN ₄ Active Sites for CO ₂ Electroreduction. Angewandte Chemie - International Edition, 2021, 60, 1022-1032.	7.2	121
16	On the irreversible sodiation of tin disulfide. Nano Energy, 2021, 79, 105458.	8.2	14
17	WO _x Surface Decorated PtNi@Pt Dendritic Nanowires as Efficient pH-Universal Hydrogen Evolution Electrocatalysts. Advanced Energy Materials, 2021, 11, 2003192.	10.2	82
18	Cationic-anionic redox couple gradient to immunize against irreversible processes of Li-rich layered oxides. Journal of Materials Chemistry A, 2021, 9, 2325-2333.	5.2	20

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19	High-temperature-pulse synthesis of ultrathin-graphene-coated metal nanoparticles. <i>Nano Energy</i> , 2021, 80, 105536.	8.2	9
20	Effect of SiO ₂ deposition on thermal stability of Al ₂ O ₃ -SiO ₂ aerogel. <i>Journal of the European Ceramic Society</i> , 2021, 41, 580-589.	2.8	33
21	Dual-stage K ⁺ ion intercalation in V ₂ O ₅ -conductive polymer composites. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15629-15636.	5.2	13
22	Non-equilibrium insertion of lithium ions into graphite. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12080-12086.	5.2	15
23	A highly efficient atomically thin curved PdIr bimetallic electrocatalyst. <i>National Science Review</i> , 2021, 8, nwab019.	4.6	59
24	Real Time Observation of Lithium Insertion into Pre-Cycled Conversion-Type Materials. <i>Nanomaterials</i> , 2021, 11, 728.	1.9	3
25	Dynamically Unveiling Metal–Nitrogen Coordination during Thermal Activation to Design Highly Efficient Atomically Dispersed CoN ₄ Active Sites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9516-9526.	7.2	119
26	Dynamically Unveiling Metal–Nitrogen Coordination during Thermal Activation to Design Highly Efficient Atomically Dispersed CoN ₄ Active Sites. <i>Angewandte Chemie</i> , 2021, 133, 9602-9612.	1.6	21
27	Near-room temperature ferromagnetic insulating state in highly distorted LaCoO _{2.5} with CoO ₅ square pyramids. <i>Nature Communications</i> , 2021, 12, 1853.	5.8	25
28	Shielded SnS ₂ /SnS heterostructures on three-dimensional graphene framework for high-rate and stable sodium-ion storage. <i>Electrochimica Acta</i> , 2021, 372, 137800.	2.6	27
29	Layered-rocksalt intergrown cathode for high-capacity zero-strain battery operation. <i>Nature Communications</i> , 2021, 12, 2348.	5.8	43
30	Deciphering Interfacial Chemical and Electrochemical Reactions of Sulfide-Based All-Solid-State Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100210.	10.2	63
31	Structural Changes of Intermetallic Catalysts under Reaction Conditions. <i>Small Structures</i> , 2021, 2, 2100011.	6.9	21
32	3d-Orbital Occupancy Regulated Ir-Co Atomic Pair Toward Superior Bifunctional Oxygen Electrocatalysis. <i>ACS Catalysis</i> , 2021, 11, 8837-8846.	5.5	110
33	Thermal radiation shielded, high strength, fire resistant fiber/nanorod/aerogel composites fabricated by in-situ growth of TiO ₂ nanorods for thermal insulation. <i>Chemical Engineering Journal</i> , 2021, 418, 129342.	6.6	44
34	High-performance ammonia oxidation catalysts for anion-exchange membrane direct ammonia fuel cells. <i>Energy and Environmental Science</i> , 2021, 14, 1449-1460.	15.6	100
35	Atomic Structure Evolution of Pt–Co Binary Catalysts: Single Metal Sites versus Intermetallic Nanocrystals. <i>Advanced Materials</i> , 2021, 33, e2106371.	11.1	62
36	Dynamics of Anisotropic Oxygen-Ion Migration in Strained Cobaltites. <i>Nano Letters</i> , 2021, 21, 10507-10515.	4.5	9

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37	A graphene-modified flexible SiOC ceramic cloth for high-performance lithium storage. <i>Energy Storage Materials</i> , 2020, 25, 876-884.	9.5	53
38	NbOx nano-nail with a Pt head embedded in carbon as a highly active and durable oxygen reduction catalyst. <i>Nano Energy</i> , 2020, 69, 104455.	8.2	37
39	Molecular-Level Proximity of Metal and Acid Sites in Zeolite-Encapsulated Pt Nanoparticles for Selective Multistep Tandem Catalysis. <i>ACS Catalysis</i> , 2020, 10, 3340-3348.	5.5	50
40	A multifunctional hierarchical porous SiO ₂ /GO membrane for high efficiency oil/water separation and dye removal. <i>Carbon</i> , 2020, 160, 88-97.	5.4	117
41	Boosting CO ₂ reduction on Fe-N-C with sulfur incorporation: Synergistic electronic and structural engineering. <i>Nano Energy</i> , 2020, 68, 104384.	8.2	106
42	Site-Specific Sodiation Mechanisms of Selenium in Microporous Carbon Host. <i>Nano Letters</i> , 2020, 20, 918-928.	4.5	30
43	A Triphasic Bifunctional Oxygen Electrocatalyst with Tunable and Synergetic Interfacial Structure for Rechargeable Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903003.	10.2	74
44	Bi-continuous nanoporous carbon sphere derived from SiOC as high-performance anodes for PIBs. <i>Chemical Engineering Journal</i> , 2020, 381, 122677.	6.6	46
45	In Situ Transmission Electron Microscopy on Energy-Related Catalysis. <i>Advanced Energy Materials</i> , 2020, 10, 1902105.	10.2	78
46	Single Cobalt Sites Dispersed in Hierarchically Porous Nanofiber Networks for Durable and High-Power PGM-Free Cathodes in Fuel Cells. <i>Advanced Materials</i> , 2020, 32, e2003577.	11.1	262
47	Direct Observation of Defect-Aided Structural Evolution in a Nickel-Rich Layered Cathode. <i>Angewandte Chemie</i> , 2020, 132, 22276-22283.	1.6	15
48	Direct Observation of Defect-Aided Structural Evolution in a Nickel-Rich Layered Cathode. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22092-22099.	7.2	75
49	Single-Iron Site Catalysts with Self-Assembled Dual-size Architecture and Hierarchical Porosity for Proton-Exchange Membrane Fuel Cells. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119400.	10.8	94
50	High thermal stability of SiO ₂ -ZrO ₂ aerogels using solvent-thermal aging. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121624.	1.4	19
51	Tensile-strained ruthenium phosphide by anion substitution for highly active and durable hydrogen evolution. <i>Nano Energy</i> , 2020, 77, 105212.	8.2	39
52	Undercoordinated Active Sites on 4H Gold Nanostructures for CO ₂ Reduction. <i>Nano Letters</i> , 2020, 20, 8074-8080.	4.5	46
53	Multimodal Analysis of Reaction Pathways of Cathode Materials for Lithium Ion Batteries. <i>Microscopy and Microanalysis</i> , 2020, 26, 906-908.	0.2	0
54	Atomically Dispersed MnN ₄ Catalysts <i>via</i> Environmentally Benign Aqueous Synthesis for Oxygen Reduction: Mechanistic Understanding of Activity and Stability Improvements. <i>ACS Catalysis</i> , 2020, 10, 10523-10534.	5.5	123

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55	Tuning the Anodeâ€“Electrolyte Interface Chemistry for Garnetâ€“Based Solidâ€“State Li Metal Batteries. <i>Advanced Materials</i> , 2020, 32, e2000030.	11.1	156
56	A Flexible Film with SnS ₂ Nanoparticles Chemically Anchored on 3Dâ€“Graphene Framework for High Areal Density and High Rate Sodium Storage. <i>Small</i> , 2020, 16, e2001265.	5.2	23
57	A Highly Efficient Allâ€“Solidâ€“State Lithium/Electrolyte Interface Induced by an Energetic Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14003-14008.	7.2	70
58	A Highly Efficient Allâ€“Solidâ€“State Lithium/Electrolyte Interface Induced by an Energetic Reaction. <i>Angewandte Chemie</i> , 2020, 132, 14107-14112.	1.6	4
59	Hierarchical Polyelemental Nanoparticles as Bifunctional Catalysts for Oxygen Evolution and Reduction Reactions. <i>Advanced Energy Materials</i> , 2020, 10, 2001119.	10.2	39
60	Single crystal cathodes enabling high-performance all-solid-state lithium-ion batteries. <i>Energy Storage Materials</i> , 2020, 30, 98-103.	9.5	109
61	Imaging the kinetics of anisotropic dissolution of bimetallic coreâ€“shell nanocubes using graphene liquid cells. <i>Nature Communications</i> , 2020, 11, 3041.	5.8	36
62	Harnessing strong metalâ€“support interactions via a reverse route. <i>Nature Communications</i> , 2020, 11, 3042.	5.8	84
63	Surface regulation enables high stability of single-crystal lithium-ion cathodes at high voltage. <i>Nature Communications</i> , 2020, 11, 3050.	5.8	225
64	Tuning epitaxial growth on NaYbF ₄ upconversion nanoparticles by strain management. <i>Nanoscale</i> , 2020, 12, 13973-13979.	2.8	14
65	Biaxial Strains Mediated Oxygen Reduction Electrocatalysis on Fenton Reaction Resistant L1 ₀ â€“PtZn Fuel Cell Cathode. <i>Advanced Energy Materials</i> , 2020, 10, 2000179.	10.2	112
66	Deep learning analysis on microscopic imaging in materials science. <i>Materials Today Nano</i> , 2020, 11, 100087.	2.3	82
67	Lead-Free Cs ₄ CuSb ₂ Cl ₁₂ Layered Double Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2020, 142, 11927-11936.	6.6	131
68	Unveiling the critical role of interfacial ionic conductivity in all-solid-state lithium batteries. <i>Nano Energy</i> , 2020, 72, 104686.	8.2	56
69	Câ€“O bond activation using ultralow loading of noble metal catalysts on moderately reducible oxides. <i>Nature Catalysis</i> , 2020, 3, 446-453.	16.1	131
70	Supported and coordinated single metal site electrocatalysts. <i>Materials Today</i> , 2020, 37, 93-111.	8.3	71
71	Ternary PtIrNi Catalysts for Efficient Electrochemical Ammonia Oxidation. <i>ACS Catalysis</i> , 2020, 10, 3945-3957.	5.5	104
72	Revealing Reaction Pathways of Collective Substituted Iron Fluoride Electrode for Lithium Ion Batteries. <i>ACS Nano</i> , 2020, 14, 10276-10283.	7.3	14

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73	Highly dispersed Co deposited on Al ₂ O ₃ particles via CoCp ₂ + H ₂ ALD. <i>Nanotechnology</i> , 2020, 31, 175703.	1.3	4
74	Interatomic diffusion in Pd-Pt core-shell nanoparticles. <i>Chinese Journal of Catalysis</i> , 2020, 41, 807-812.	6.9	4
75	Programmable Synthesis of Multimetallic Phosphide Nanorods Mediated by Core/Shell Structure Formation and Conversion. <i>Journal of the American Chemical Society</i> , 2020, 142, 8490-8497.	6.6	65
76	Overcoming immiscibility toward bimetallic catalyst library. <i>Science Advances</i> , 2020, 6, eaaz6844.	4.7	105
77	Electrolyte design for LiF-rich solid electrolyte interfaces to enable high-performance micro-sized alloy anodes for batteries. <i>Nature Energy</i> , 2020, 5, 386-397.	19.8	621
78	A "trimurti" heterostructured hybrid with an intimate CoO/Co _x P interface as a robust bifunctional air electrode for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9177-9184.	5.2	72
79	In-situ TEM Investigation of Lithiation and Sodiation of 2D Metal Sulfides. <i>Microscopy and Microanalysis</i> , 2020, 26, 1098-1100.	0.2	0
80	Ultrathin two-dimensional metallic nanocrystals for renewable energy electrocatalysis. <i>Materials Today</i> , 2019, 23, 45-56.	8.3	64
81	<i>In Situ</i> Electron Microscopy Investigation of Sodiation of Titanium Disulfide Nanoflakes. <i>ACS Nano</i> , 2019, 13, 9421-9430.	7.3	30
82	Enhancing C-C Bond Scission for Efficient Ethanol Oxidation using PtIr Nanocube Electrocatalysts. <i>ACS Catalysis</i> , 2019, 9, 7618-7625.	5.5	79
83	3D porous graphitic nanocarbon for enhancing the performance and durability of Pt catalysts: a balance between graphitization and hierarchical porosity. <i>Energy and Environmental Science</i> , 2019, 12, 2830-2841.	15.6	219
84	Expanded lithiation of titanium disulfide: Reaction kinetics of multi-step conversion reaction. <i>Nano Energy</i> , 2019, 63, 103882.	8.2	21
85	Exploring Metal-Support Interactions To Immobilize Subnanometer Co Clusters on Î³-Mo ₂ N: A Highly Selective and Stable Catalyst for CO ₂ Activation. <i>ACS Catalysis</i> , 2019, 9, 9087-9097.	5.5	50
86	Tungsten-Doped Li ₂ O@PtCo Ultrasmall Nanoparticles as a High-Performance Fuel Cell Cathode. <i>Angewandte Chemie</i> , 2019, 131, 15617-15623.	1.6	30
87	High-performance layered NiCo ₂ S ₄ @rGO/rGO film electrode for flexible electrochemical energy storage. <i>Electrochimica Acta</i> , 2019, 328, 135088.	2.6	33
88	PdAu Alloy Nanoparticles for Ethanol Oxidation in Alkaline Conditions: Enhanced Activity and C1 Pathway Selectivity. <i>ACS Applied Energy Materials</i> , 2019, 2, 8701-8706.	2.5	45
89	Highly Efficient AuPd Catalyst for Synthesizing Polybenzoxazole with Controlled Polymerization. <i>Matter</i> , 2019, 1, 1631-1643.	5.0	8
90	Framework Doping of Ni Enhances Pseudocapacitive Na-Ion Storage of (Ni)MnO ₂ Layered Birnessite. <i>Chemistry of Materials</i> , 2019, 31, 8774-8786.	3.2	51

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91	Single Atom Identification of Barium by HAADF-STEM for the New Enriched Xenon Observatory (nEXO). <i>Microscopy and Microanalysis</i> , 2019, 25, 670-671.	0.2	0
92	Highly Dispersed Platinum Atoms on the Surface of AuCu Metallic Aerogels for Enabling H_2O_2 Production. <i>ACS Applied Energy Materials</i> , 2019, 2, 7722-7727.	2.5	31
93	Cu_3N Nanocubes for Selective Electrochemical Reduction of CO_2 to Ethylene. <i>Nano Letters</i> , 2019, 19, 8658-8663.	4.5	173
94	Unraveling the Voltage Decay Phenomenon in Li-Rich Layered Oxide Cathode of No Oxygen Activity. <i>Advanced Energy Materials</i> , 2019, 9, 1902258.	10.2	51
95	Quinary Defect-Rich Ultrathin Bimetal Hydroxide Nanosheets for Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44018-44025.	4.0	15
96	Tungsten-Doped Li_2O -PtCo Ultrasmall Nanoparticles as a High-Performance Fuel Cell Cathode. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15471-15477.	7.2	150
97	Accurate Control of Core-Shell Upconversion Nanoparticles through Anisotropic Strain Engineering. <i>Advanced Functional Materials</i> , 2019, 29, 1903295.	7.8	59
98	In-situ TEM Investigation on Reaction Mechanisms of Conversion Electrode Materials for Batteries. <i>Microscopy and Microanalysis</i> , 2019, 25, 1434-1435.	0.2	0
99	General Synthetic Route to High-Quality Colloidal III-V Semiconductor Quantum Dots Based on Pnictogen Chlorides. <i>Journal of the American Chemical Society</i> , 2019, 141, 15145-15152.	6.6	54
100	Trifunctional Fishbone-like PtCo/Ir Enables High-Performance Zinc-Air Batteries to Drive the Water-Splitting Catalysis. <i>Chemistry of Materials</i> , 2019, 31, 8136-8144.	3.2	55
101	Ensemble Effect in Bimetallic Electrocatalysts for CO_2 Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 16635-16642.	6.6	238
102	Generalized Synthetic Strategy for Transition-Metal-Doped Brookite-Phase TiO_2 Nanorods. <i>Journal of the American Chemical Society</i> , 2019, 141, 16548-16552.	6.6	78
103	PdMo bimetallic for oxygen reduction catalysis. <i>Nature</i> , 2019, 574, 81-85.	13.7	935
104	Tailoring FeN_4 Sites with Edge Enrichment for Boosted Oxygen Reduction Performance in Proton Exchange Membrane Fuel Cell. <i>Advanced Energy Materials</i> , 2019, 9, 1803737.	10.2	148
105	Highly active atomically dispersed CoN_4 fuel cell cathode catalysts derived from surfactant-assisted MOFs: carbon-shell confinement strategy. <i>Energy and Environmental Science</i> , 2019, 12, 250-260.	15.6	691
106	A Single-Atom Iridium Heterogeneous Catalyst in Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2019, 131, 9742-9747.	1.6	59
107	A Single-Atom Iridium Heterogeneous Catalyst in Oxygen Reduction Reaction (Angew.)	1.6	1
108	Development of a water cycle management approach to Sponge City construction in Xi'an, China. <i>Science of the Total Environment</i> , 2019, 685, 490-496.	3.9	26

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109	SO ₂ -Induced Selectivity Change in CO ₂ Electroreduction. Journal of the American Chemical Society, 2019, 141, 9902-9909.	6.6	102
110	A Single-Atom Iridium Heterogeneous Catalyst in Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2019, 58, 9640-9645.	7.2	312
111	Modulating the electronic structure of ultrathin layered double hydroxide nanosheets with fluorine: an efficient electrocatalyst for the oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 14483-14488.	5.2	73
112	Tuning CO ₂ hydrogenation selectivity via metal-oxide interfacial sites. Journal of Catalysis, 2019, 374, 60-71.	3.1	115
113	Phase evolution of conversion-type electrode for lithium ion batteries. Nature Communications, 2019, 10, 2224.	5.8	99
114	Large-diameter and heteroatom-doped graphene nanotubes decorated with transition metals as carbon hosts for lithium-sulfur batteries. Journal of Materials Chemistry A, 2019, 7, 13389-13399.	5.2	27
115	Atomic Arrangement Engineering of Metallic Nanocrystals for Energy-Conversion Electrocatalysis. Joule, 2019, 3, 956-991.	11.7	197
116	Quantification of Charge Transfer at the Interfaces of Oxide Thin Films. Journal of Physical Chemistry A, 2019, 123, 4632-4637.	1.1	5
117	Cu-Catalyzed Synthesis of CdZnSe/CdZnS Alloy Quantum Dots with Highly Tunable Emission. Chemistry of Materials, 2019, 31, 2635-2643.	3.2	41
118	Fuel Cells: Tailoring FeN ₄ Sites with Edge Enrichment for Boosted Oxygen Reduction Performance in Proton Exchange Membrane Fuel Cell (Adv. Energy Mater. 11/2019). Advanced Energy Materials, 2019, 9, 1970031.	10.2	7
119	Highly Active Ceria-Supported Ru Catalyst for the Dry Reforming of Methane: In Situ Identification of Ru ^{I+} -Ce ³⁺ Interactions for Enhanced Conversion. ACS Catalysis, 2019, 9, 3349-3359.	5.5	135
120	Tuning infrared plasmon resonances in doped metal-oxide nanocrystals through cation-exchange reactions. Nature Communications, 2019, 10, 1394.	5.8	64
121	Atomically Dispersed Iron Cathode Catalysts Derived from Binary Ligand-Based Zeolitic Imidazolate Frameworks with Enhanced Stability for PEM Fuel Cells. Journal of the Electrochemical Society, 2019, 166, F3116-F3122.	1.3	31
122	Zinc-Air Batteries: An Oxygen-Vacancy-Rich Semiconductor-Supported Bifunctional Catalyst for Efficient and Stable Zinc-Air Batteries (Adv. Mater. 6/2019). Advanced Materials, 2019, 31, 1970043.	11.1	3
123	Ultrathin PtNiM (M = Rh, Os, and Ir) Nanowires as Efficient Fuel Oxidation Electrocatalytic Materials. Advanced Materials, 2019, 31, e1805833.	11.1	223
124	In-situ structural characterizations of electrochemical intercalation of graphite compounds. , 2019, 1, 200-218.		50
125	Defects-Induced In-Plane Heterophase in Cobalt Oxide Nanosheets for Oxygen Evolution Reaction. Small, 2019, 15, e1904903.	5.2	69
126	Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. Angewandte Chemie - International Edition, 2019, 58, 602-606.	7.2	42

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127	Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. <i>Angewandte Chemie</i> , 2019, 131, 612-616.	1.6	9
128	In Situ Transmission Electron Microscopy for Energy Applications. <i>Joule</i> , 2019, 3, 4-8.	11.7	69
129	Electrolyte Concentration Effect on Sulfur Utilization of Li-S Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A50-A58.	1.3	18
130	Size-dependent kinetics during non-equilibrium lithiation of nano-sized zinc ferrite. <i>Nature Communications</i> , 2019, 10, 93.	5.8	39
131	Mn- and N- doped carbon as promising catalysts for oxygen reduction reaction: Theoretical prediction and experimental validation. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 195-203.	10.8	170
132	An Oxygen Vacancy-Rich Semiconductor-Supported Bifunctional Catalyst for Efficient and Stable Zinc-Air Batteries. <i>Advanced Materials</i> , 2019, 31, e1806761.	11.1	133
133	Bimetallic synergy in cobalt-palladium nanocatalysts for CO oxidation. <i>Nature Catalysis</i> , 2019, 2, 78-85.	16.1	195
134	Methyl modified SiO ₂ aerogel with tailored dual modal pore structure for adsorption of organic solvents. <i>Materials Letters</i> , 2019, 238, 202-205.	1.3	24
135	Ultrathin Visible-Light-Driven Mo Incorporating In ₂ O ₃ -ZnIn ₂ Se ₄ Z-Scheme Nanosheet Photocatalysts. <i>Advanced Materials</i> , 2019, 31, e1807226.	11.1	165
136	Elucidating anionic oxygen activity in lithium-rich layered oxides. <i>Nature Communications</i> , 2018, 9, 947.	5.8	241
137	High acid resistant SiOC ceramic membranes for wastewater treatment. <i>Ceramics International</i> , 2018, 44, 13444-13448.	2.3	17
138	Nanoceria-Supported Single-Atom Platinum Catalysts for Direct Methane Conversion. <i>ACS Catalysis</i> , 2018, 8, 4044-4048.	5.5	214
139	Multistep Lithiation of Tin Sulfide: An Investigation Using <i>in Situ</i> Electron Microscopy. <i>ACS Nano</i> , 2018, 12, 3638-3645.	7.3	50
140	Core-shell PdPb@Pd aerogels with multiply-twinned intermetallic nanostructures: facile synthesis with accelerated gelation kinetics and their enhanced electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7517-7521.	5.2	49
141	A new strategy to synthesize anisotropic SmCo ₅ nanomagnets. <i>Nanoscale</i> , 2018, 10, 8735-8740.	2.8	37
142	SiOC nanolayer wrapped 3D interconnected graphene sponge as a high-performance anode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9064-9073.	5.2	68
143	Interpenetrating Triphase Cobalt-Based Nanocomposites as Efficient Bifunctional Oxygen Electrocatalysts for Long-Lasting Rechargeable Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702900.	10.2	242
144	Isolated Ni single atoms in graphene nanosheets for high-performance CO ₂ reduction. <i>Energy and Environmental Science</i> , 2018, 11, 893-903.	15.6	811

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145	Fe Stabilization by Intermetallic L1 O -FePt and Pt Catalysis Enhancement in L1 O -FePt/Pt Nanoparticles for Efficient Oxygen Reduction Reaction in Fuel Cells. Journal of the American Chemical Society, 2018, 140, 2926-2932.	6.6	312
146	Effect of Electrolyte on High Sulfur Loading Li-S Batteries. Journal of the Electrochemical Society, 2018, 165, A416-A423.	1.3	28
147	Porous Carbon-Hosted Atomically Dispersed Iron-Nitrogen Moiety as Enhanced Electrocatalysts for Oxygen Reduction Reaction in a Wide Range of pH. Small, 2018, 14, e1703118.	5.2	117
148	Coupled s-p-d Exchange in Facet-Controlled Pd ₃ Pb Tripods Enhances Oxygen Reduction Catalysis. Chem, 2018, 4, 359-371.	5.8	100
149	Nitrogen-Coordinated Single Cobalt Atom Catalysts for Oxygen Reduction in Proton Exchange Membrane Fuel Cells. Advanced Materials, 2018, 30, 1706758.	11.1	788
150	Kern-Schale-Strukturierung rein metallischer Aerogele für eine hocheffiziente Nutzung von Platin für die Sauerstoffreduktion. Angewandte Chemie, 2018, 130, 3014-3018.	1.6	7
151	Core-Shell Structuring of Pure Metallic Aerogels towards Highly Efficient Platinum Utilization for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2018, 57, 2963-2966.	7.2	154
152	Superelastic and superhydrophobic bacterial cellulose/silica aerogels with hierarchical cellular structure for oil absorption and recovery. Journal of Hazardous Materials, 2018, 346, 199-207.	6.5	165
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