Li Song

List of Publications by Year
in descending order

486 papers	47,724 citations	1368 108 h-index	2323 199 g-index
494 all docs	494 docs citations	494 times ranked	43868 citing authors

#	Article	IF	Citations
1	Large Scale Growth and Characterization of Atomic Hexagonal Boron Nitride Layers. Nano Letters, 2010, 10, 3209-3215.	4.5	2,317
2	Graphene Quantum Dots Derived from Carbon Fibers. Nano Letters, 2012, 12, 844-849.	4.5	2,041
3	Atomic layers of hybridized boron nitride and graphene domains. Nature Materials, 2010, 9, 430-435.	13.3	2,002
4	Direct laser writing of micro-supercapacitors on hydrated graphite oxide films. Nature Nanotechnology, 2011, 6, 496-500.	15.6	1,322
5	Oxide Defect Engineering Enables to Couple Solar Energy into Oxygen Activation. Journal of the American Chemical Society, 2016, 138, 8928-8935.	6.6	840
6	Atomically dispersed platinum supported on curved carbon supports for efficient electrocatalytic hydrogen evolution. Nature Energy, 2019, 4, 512-518.	19.8	756
7	Refining Defect States in W₁₈O₄₉ by Mo Doping: A Strategy for Tuning N₂ Activation towards Solar-Driven Nitrogen Fixation. Journal of the American Chemical Society, 2018, 140, 9434-9443.	6.6	722
8	Super-stretchable, Transparent Carbon Nanotube-Based Capacitive Strain Sensors for Human Motion Detection. Scientific Reports, 2013, 3, 3048.	1.6	573
9	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. Nature Chemistry, 2018, 10, 924-931.	6.6	558
10	A versatile MOF-based trap for heavy metal ion capture and dispersion. Nature Communications, 2018, 9, 187.	5.8	543
11	Gram-Scale Aqueous Synthesis of Stable Few-Layered 1T-MoS₂: Applications for Visible-Light-Driven Photocatalytic Hydrogen Evolution. Small, 2015, 11, 5556-5564.	5.2	508
12	Direct Growth of Graphene/Hexagonal Boron Nitride Stacked Layers. Nano Letters, 2011, 11, 2032-2037.	4.5	466
13	Isolation of Cu Atoms in Pd Lattice: Forming Highly Selective Sites for Photocatalytic Conversion of CO₂ to CH₄. Journal of the American Chemical Society, 2017, 139, 4486-4492.	6.6	455
14	Single Nickel Atoms on Nitrogenâ€Doped Graphene Enabling Enhanced Kinetics of Lithiumâ€“Sulfur Batteries. Advanced Materials, 2019, 31, e1903955.	11.1	447
15	Amorphous Metallic NiFeP: A Conductive Bulk Material Achieving High Activity for Oxygen Evolution Reaction in Both Alkaline and Acidic Media. Advanced Materials, 2017, 29, 1606570.	11.1	441
16	Systematic design of superaerophobic nanotube-array electrode comprised of transition-metal sulfides for overall water splitting. Nature Communications, 2018, 9, 2452.	5.8	431
17	Nitrogen Vacancies on 2D Layered W₂N₃: A Stable and Efficient Active Site for Nitrogen Reduction Reaction. Advanced Materials, 2019, 31, e1902709.	11.1	387
18	Heterogeneous Singleâ€Atom Catalyst for Visibleâ€Lightâ€Driven Highâ€Turnover CO₂ Reduction: The Role of Electron Transfer. Advanced Materials, 2018, 30, e1704624.	11.1	383

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19	Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS₂. Advanced Functional Materials, 2016, 26, 1169-1177.	7.8	376
20	Ion Gated Synaptic Transistors Based on 2D van der Waals Crystals with Tunable Diffusive Dynamics. Advanced Materials, 2018, 30, e1800195.	11.1	368
21	Heteroatomâ€Mediated Interactions between Ruthenium Single Atoms and an MXene Support for Efficient Hydrogen Evolution. Advanced Materials, 2019, 31, e1903841.	11.1	363
22	Charge-Redistribution-Enhanced Nanocrystalline Ru@IrOx Electrocatalysts for Oxygen Evolution in Acidic Media. CheM, 2019, 5, 445-459.	5.8	354
23	Precisely Tuning the Number of Fe Atoms in Clusters on N-Doped Carbon toward Acidic Oxygen Reduction Reaction. CheM, 2019, 5, 2865-2878.	5.8	346
24	Zirconiumâ€“Porphyrinâ€Based Metalâ€“Organic Framework Hollow Nanotubes for Immobilization of Nobleâ€Metal Single Atoms. Angewandte Chemie - International Edition, 2018, 57, 3493-3498.	7.2	341
25	Directly Synthesized Strong, Highly Conducting, Transparent Single-Walled Carbon Nanotube Films. Nano Letters, 2007, 7, 2307-2311.	4.5	334
26	Isolated single atom cobalt in Bi3O4Br atomic layers to trigger efficient CO2 photoreduction. Nature Communications, 2019, 10, 2840.	5.8	327
27	Heteroatom-Doped Transition Metal Electrocatalysts for Hydrogen Evolution Reaction. ACS Energy Letters, 2019, 4, 805-810.	8.8	323
28	Reversible Oxygen Redox Chemistry in Aqueous Zincâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 7062-7067.	7.2	321
29	Electronic Structure Reconfiguration toward Pyrite NiS₂ via Engineered Heteroatom Defect Boosting Overall Water Splitting. ACS Nano, 2017, 11, 11574-11583.	7.3	310
30	Pyrazolate-Based Porphyrinic Metalâ€“Organic Framework with Extraordinary Base-Resistance. Journal of the American Chemical Society, 2016, 138, 914-919.	6.6	303
31	Electrochemically Induced Metalâ€“Organicâ€Frameworkâ€Derived Amorphous V₂O₅ for Superior Rate Aqueous Zincâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 22002-22006.	7.2	301
32	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. Journal of the American Chemical Society, 2021, 143, 5201-5211.	6.6	287
33	Amorphous nickel-cobalt complexes hybridized with 1T-phase molybdenum disulfide via hydrazine-induced phase transformation for water splitting. Nature Communications, 2017, 8, 15377.	5.8	284
34	Achieving Efficient Alkaline Hydrogen Evolution Reaction over a Ni₅P₄ Catalyst Incorporating Singleâ€Atomic Ru Sites. Advanced Materials, 2020, 32, e1906972.	11.1	281
35	Tunable Bandgap in Graphene by the Controlled Adsorption of Water Molecules. Small, 2010, 6, 2535-2538.	5.2	279
36	Porous nitrogen-rich g-C3N4 nanotubes for efficient photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2019, 256, 117854.	10.8	271

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37	Electron-Doped 1T-MoS₂ via Interface Engineering for Enhanced Electrocatalytic Hydrogen Evolution. Chemistry of Materials, 2017, 29, 4738-4744.	3.2	270
38	Implementing Metalâ€toâ€Ligand Charge Transfer in Organic Semiconductor for Improved Visibleâ€Nearâ€Infrared Photocatalysis. Advanced Materials, 2016, 28, 6959-6965.	11.1	268
39	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. Nature Sustainability, 2021, 4, 868-876.	11.5	264
40	Hydrogenâ€Substituted Graphdiyne Ion Tunnels Directing Concentration Redistribution for Commercialâ€Grade Dendriteâ€Free Zinc Anodes. Advanced Materials, 2020, 32, e2001755.	11.1	261
41	Frameworkâ€Porphyrinâ€Derived Singleâ€Atom Bifunctional Oxygen Electrocatalysts and their Applications in Znâ€“Air Batteries. Advanced Materials, 2019, 31, e1900592.	11.1	256
42	Structural Self-Reconstruction of Catalysts in Electrocatalysis. Accounts of Chemical Research, 2018, 51, 2968-2977.	7.6	252
43	Evidence for the Monolayer Assembly of Poly(vinylpyrrolidone) on the Surfaces of Silver Nanowires. Journal of Physical Chemistry B, 2004, 108, 12877-12881.	1.2	248
44	Atomic Iridium Incorporated in Cobalt Hydroxide for Efficient Oxygen Evolution Catalysis in Neutral Electrolyte. Advanced Materials, 2018, 30, e1707522.	11.1	247
45	Lithiation-induced amorphization of Pd3P2S8 for highly efficient hydrogen evolution. Nature Catalysis, 2018, 1, 460-468.	16.1	247
46	Novel Liquid Precursor-Based Facile Synthesis of Large-Area Continuous, Single, and Few-Layer Graphene Films. Chemistry of Materials, 2010, 22, 3457-3461.	3.2	239
47	Surface Plasmon Enabling Nitrogen Fixation in Pure Water through a Dissociative Mechanism under Mild Conditions. Journal of the American Chemical Society, 2019, 141, 7807-7814.	6.6	235
48	Strain Dynamics of Ultrathin VO₂ Film Grown on TiO₂ (001) and the Associated Phase Transition Modulation. Nano Letters, 2014, 14, 4036-4043.	4.5	233
49	2D heterostructure comprised of metallic 1T-MoS2/Monolayer O-g-C3N4 towards efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 220, 379-385.	10.8	231
50	Largeâ€Scale Synthesis of Nitrogenâ€Rich Carbon Nitride Microfibers by Using Graphitic Carbon Nitride as Precursor. Advanced Materials, 2008, 20, 1777-1781.	11.1	230
51	Binary and Ternary Atomic Layers Built from Carbon, Boron, and Nitrogen. Advanced Materials, 2012, 24, 4878-4895.	11.1	219
52	A Highly Efficient Metalâ€Free Oxygen Reduction Electrocatalyst Assembled from Carbon Nanotubes and Graphene. Advanced Materials, 2016, 28, 4606-4613.	11.1	216
53	Machinable Long PVP-Stabilized Silver Nanowires. Chemistry - A European Journal, 2004, 10, 4817-4821.	1.7	215
54	Edgeâ€Rich Feâ€“N₄ Active Sites in Defective Carbon for Oxygen Reduction Catalysis. Advanced Materials, 2020, 32, e2000966.	11.1	215

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55	Tracking Structural Selfâ€Reconstruction and Identifying True Active Sites toward Cobalt Oxychloride Precatalyst of Oxygen Evolution Reaction. Advanced Materials, 2019, 31, e1805127.	11.1	211
56	Defective Carbonâ€“CoP Nanoparticles Hybrids with Interfacial Charges Polarization for Efficient Bifunctional Oxygen Electrocatalysis. Advanced Energy Materials, 2018, 8, 1703623.	10.2	209
57	Stable Metallic 1Tâ€WS₂ Nanoribbons Intercalated with Ammonia Ions: The Correlation between Structure and Electrical/Optical Properties. Advanced Materials, 2015, 27, 4837-4844.	11.1	207
58	Nickel Vacancies Boost Reconstruction in Nickel Hydroxide Electrocatalyst. ACS Energy Letters, 2018, 3, 1373-1380.	8.8	206
59	Electrochemical Conversion of CO₂ to Syngas with Controllable CO/H₂ Ratios over Co and Ni Singleâ€Atom Catalysts. Angewandte Chemie - International Edition, 2020, 59, 3033-3037.	7.2	203
60	Unpaired 3d Electrons on Atomically Dispersed Cobalt Centres in Coordination Polymers Regulate both Oxygen Reduction Reaction (ORR) Activity and Selectivity for Use in Zincâ€“Air Batteries. Angewandte Chemie - International Edition, 2020, 59, 286-294.	7.2	200
61	2D Metal Organic Framework Nanosheet: A Universal Platform Promoting Highly Efficient Visibleâ€Lightâ€Induced Hydrogen Production. Advanced Energy Materials, 2019, 9, 1803402.	10.2	200
62	eg occupancy as an effective descriptor for the catalytic activity of perovskite oxide-based peroxidase mimics. Nature Communications, 2019, 10, 704.	5.8	199
63	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. Journal of the American Chemical Society, 2019, 141, 7240-7244.	6.6	198
64	Amorphous/Crystalline Heterostructured Cobaltâ€Vanadiumâ€Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. Advanced Energy Materials, 2020, 10, 2002215.	10.2	198
65	Atomic Cobalt Covalently Engineered Interlayers for Superior Lithiumâ€Ion Storage. Advanced Materials, 2018, 30, e1802525.	11.1	187
66	High-power lithiumâ€“selenium batteries enabled by atomic cobalt electrocatalyst in hollow carbon cathode. Nature Communications, 2020, 11, 5025.	5.8	187
67	Strain Effect in Bimetallic Electrocatalysts in the Hydrogen Evolution Reaction. ACS Energy Letters, 2018, 3, 1198-1204.	8.8	183
68	Enhanced Thermopower of Graphene Films with Oxygen Plasma Treatment. ACS Nano, 2011, 5, 2749-2755.	7.3	181
69	Engineering the Electronic Structure of MoS₂ Nanorods by N and Mn Dopants for Ultra-Efficient Hydrogen Production. ACS Catalysis, 2018, 8, 7585-7592.	5.5	180
70	Nonâ€metal Singleâ€Iodineâ€Atom Electrocatalysts for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 12252-12257.	7.2	175
71	Accelerating CO₂ Electroreduction to CO Over Pd Singleâ€Atom Catalyst. Advanced Functional Materials, 2020, 30, 2000407.	7.8	173
72	Individual Waterâ€Filled Singleâ€Walled Carbon Nanotubes as Hydroelectric Power Converters. Advanced Materials, 2008, 20, 1772-1776.	11.1	172

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73	Structural Regulation and Support Coupling Effect of Singleâ€Atom Catalysts for Heterogeneous Catalysis. Advanced Energy Materials, 2020, 10, 2001482.	10.2	172
74	Synthesis of S-doped graphene by liquid precursor. Nanotechnology, 2012, 23, 275605.	1.3	169
75	Microwave assisted one-pot synthesis of graphene quantum dots as highly sensitive fluorescent probes for detection of iron ions and pH value. Talanta, 2016, 150, 54-60.	2.9	167
76	Rheniumâ€Doped and Stabilized MoS₂ Atomic Layers with Basalâ€Plane Catalytic Activity. Advanced Materials, 2018, 30, e1803477.	11.1	164
77	Vertical 1T-MoS₂ nanosheets with expanded interlayer spacing edged on a graphene frame for high rate lithium-ion batteries. Nanoscale, 2017, 9, 6975-6983.	2.8	158
78	Confined Feâ€“Cu Clusters as Subâ€Nanometer Reactors for Efficiently Regulating the Electrochemical Nitrogen Reduction Reaction. Advanced Materials, 2020, 32, e2004382.	11.1	152
79	Altering Hydrogenation Pathways in Photocatalytic Nitrogen Fixation by Tuning Local Electronic Structure of Oxygen Vacancy with Dopant. Angewandte Chemie - International Edition, 2021, 60, 16085-16092.	7.2	152
80	Amorphous Feâ€“Niâ€“Pâ€“Bâ€“O Nanocages as Efficient Electrocatalysts for Oxygen Evolution Reaction. ACS Nano, 2019, 13, 12969-12979.	7.3	151
81	Pd-Modified ZnOâ€“Au Enabling Alkoxy Intermediates Formation and Dehydrogenation for Photocatalytic Conversion of Methane to Ethylene. Journal of the American Chemical Society, 2021, 143, 269-278.	6.6	151
82	Graphene Shape Control by Multistage Cutting and Transfer. Advanced Materials, 2009, 21, 4487-4491.	11.1	149
83	Time-resolved ultrafast photocurrents and terahertz generation in freely suspended graphene. Nature Communications, 2012, 3, 646.	5.8	149
84	Kinetically Enhanced Electrochemical Redox of Polysulfides on Polymeric Carbon Nitrides for Improved Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 25193-25201.	4.0	149
85	Growth of SnO 2 nanowires with uniform branched structures. Solid State Communications, 2004, 130, 89-94.	0.9	148
86	Growth mechanism of silver nanowires synthesized by polyvinylpyrrolidone-assisted polyol reduction. Journal Physics D: Applied Physics, 2005, 38, 1061-1067.	1.3	147
87	Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. Nature, 2020, 577, 492-496.	13.7	145
88	Superfast-Response and Ultrahigh-Power-Density Electromechanical Actuators Based on Hierarchal Carbon Nanotube Electrodes and Chitosan. Nano Letters, 2011, 11, 4636-4641.	4.5	142
89	Single Carbon Vacancy Traps Atomic Platinum for Hydrogen Evolution Catalysis. Journal of the American Chemical Society, 2022, 144, 2171-2178.	6.6	140
90	A simple method to synthesize continuous large area nitrogen-doped graphene. Carbon, 2012, 50, 4476-4482.	5.4	139

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91	Selective Etching Quaternary MAX Phase toward Single Atom Copper Immobilized MXene (Ti₃C₂Cl_x) for Efficient CO₂ Electroreduction to Methanol. ACS Nano, 2021, 15, 4927-4936.	7.3	139
92	Monitoring a Micromechanical Process in Macroscale Carbon Nanotube Films and Fibers. Advanced Materials, 2009, 21, 603-608.	11.1	138
93	Coupling Solar Energy into Reactions: Materials Design for Surface Plasmonâ€Mediated Catalysis. Small, 2015, 11, 3873-3889.	5.2	137
94	Stable 1T-MoSe₂ and Carbon Nanotube Hybridized Flexible Film: Binder-Free and High-Performance Li-Ion Anode. ACS Nano, 2017, 11, 6483-6491.	7.3	135
95	A Unique Semiconductorâ€“Metalâ€“Graphene Stack Design to Harness Charge Flow for Photocatalysis. Advanced Materials, 2014, 26, 5689-5695.	11.1	134
96	Direct Synthesis of a Macroscale Single-Walled Carbon Nanotube Non-Woven Material. Advanced Materials, 2004, 16, 1529-1534.	11.1	131
97	Periodic ZnO Nanorod Arrays Defined by Polystyrene Microsphere Self-Assembled Monolayers. Nano Letters, 2006, 6, 2375-2378.	4.5	130
98	A clicking confinement strategy to fabricate transition metal single-atom sites for bifunctional oxygen electrocatalysis. Science Advances, 2022, 8, eabn5091.	4.7	123
99	Promotion of Overall Water Splitting Activity Over a Wide pH Range by Interfacial Electrical Effects of Metallic NiCoâ€nitrides Nanoparticle/NiCo₂O₄ Nanoflake/graphite Fibers. Advanced Science, 2019, 6, 1801829.	5.6	122
100	Microwave-assisted facile synthesis of yellow fluorescent carbon dots from o-phenylenediamine for cell imaging and sensitive detection of Fe³⁺ and H₂O₂. RSC Advances, 2016, 6, 17704-17712.	1.7	121
101	Hydrogen-Intercalation-Induced Lattice Expansion of Pd@Pt Coreâ€“Shell Nanoparticles for Highly Efficient Electrocatalytic Alcohol Oxidation. Journal of the American Chemical Society, 2021, 143, 11262-11270.	6.6	121
102	CdPS ₃ nanosheets-based membrane with high proton conductivity enabled by Cd vacancies. Science, 2020, 370, 596-600.	6.0	120
103	A Directional Synthesis for Topological Defect in Carbon. CheM, 2020, 6, 2009-2023.	5.8	120
104	Effect of carbon nanotubes on the mechanical properties and crystallization behavior of poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.8	119
105	Defect engineering on V2O3 cathode for long-cycling aqueous zinc metal batteries. Nature Communications, 2021, 12, 6878.	5.8	118
106	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO2 reduction. Nano Energy, 2021, 79, 105429.	8.2	117
107	MOF-derived Co-MOF,O-doped carbon as trifunctional electrocatalysts to enable highly efficient Znâ€“air batteries and water-splitting. Journal of Energy Chemistry, 2021, 56, 290-298.	7.1	117
108	Transfer Printing of Graphene Using Gold Film. ACS Nano, 2009, 3, 1353-1356.	7.3	115

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109	Palladiumâ€Based Nanomaterials: A Platform to Produce Reactive Oxygen Species for Catalyzing Oxidation Reactions. Advanced Materials, 2015, 27, 7025-7042.	11.1	115
110	Stretchable supercapacitor at â˜'30 Â°C. Energy and Environmental Science, 2021, 14, 3075-3085.	15.6	114
111	Studies on silver nanodecahedrons synthesized by PVP-assisted N,N-dimethylformamide (DMF) reduction. Journal of Crystal Growth, 2006, 289, 376-380.	0.7	113
112	Synergistic effect of an atomically dual-metal doped catalyst for highly efficient oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 6840-6846.	5.2	113
113	Effect of high-temperature thermal treatment on the structure and adsorption properties of reduced graphene oxide. Carbon, 2013, 52, 608-612.	5.4	110
114	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H₂ Evolution. ACS Nano, 2019, 13, 11294-11302.	7.3	109
115	Surface Local Polarization Induced by Bismuthâ€Oxygen Vacancy Pairs Tuning Nonâ€Covalent Interaction for CO₂ Photoreduction. Advanced Energy Materials, 2021, 11, 2102389.	10.2	109
116	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions. ACS Nano, 2022, 16, 8213-8222.	7.3	109
117	In situ trapped high-density single metal atoms within graphene: Iron-containing hybrids as representatives for efficient oxygen reduction. Nano Research, 2018, 11, 2217-2228.	5.8	108
118	Single-atom molybdenum immobilized on photoactive carbon nitride as efficient photocatalysts for ambient nitrogen fixation in pure water. Journal of Materials Chemistry A, 2019, 7, 19831-19837.	5.2	108
119	Synergic Reaction Kinetics over Adjacent Ruthenium Sites for Superb Hydrogen Generation in Alkaline Media. Advanced Materials, 2022, 34, e2110604.	11.1	108
120	Silver nanowires with five-fold symmetric cross-section. Journal of Crystal Growth, 2005, 276, 606-612.	0.7	107
121	Single photon emission from plasma treated 2D hexagonal boron nitride. Nanoscale, 2018, 10, 7957-7965.	2.8	107
122	In Situ Growth of Cobalt Nanoparticles Encapsulated Nitrogenâ€Doped Carbon Nanotubes among Ti₃C₂T_x (MXene) Matrix for Oxygen Reduction and Evolution. Advanced Materials Interfaces, 2018, 5, 1800392.	1.9	106
123	Dynamically Formed Surfactant Assembly at the Electrified Electrodeâ€“Electrolyte Interface Boosting CO₂ Electroreduction. Journal of the American Chemical Society, 2022, 144, 6613-6622.	6.6	106
124	Atmosphericâ€Pressure Synthesis of 2D Nitrogenâ€Rich Tungsten Nitride. Advanced Materials, 2018, 30, e1805655.	11.1	104
125	Atomic Sn⁴⁺ Decorated into Vanadium Carbide MXene Interlayers for Superior Lithium Storage. Advanced Energy Materials, 2019, 9, 1802977.	10.2	103
126	Synthesis, structure, and photoluminescence of Zn2SnO4 single-crystal nanobelts and nanorings. Solid State Communications, 2004, 131, 435-440.	0.9	102

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127	Suppression of Structural Phase Transition in VO2 by Epitaxial Strain in Vicinity of Metal-insulator Transition. Scientific Reports, 2016, 6, 23119.	1.6	102
128	Zirconiumâ€“Porphyrinâ€Based Metalâ€“Organic Framework Hollow Nanotubes for Immobilization of Nobleâ€Metal Single Atoms. Angewandte Chemie, 2018, 130, 3551-3556.	1.6	102
129	Atomic Vacancies Control of Pdâ€Based Catalysts for Enhanced Electrochemical Performance. Advanced Materials, 2018, 30, 1704171.	11.1	102
130	Nickel Diselenide Ultrathin Nanowires Decorated with Amorphous Nickel Oxide Nanoparticles for Enhanced Water Splitting Electrocatalysis. Small, 2017, 13, 1701487.	5.2	99
131	Inâ€…situ Integration of a Metallic 1Tâ€MoS₂/CdS Heterostructure as a Means to Promote Visibleâ€Lightâ€Driven Photocatalytic Hydrogen Evolution. ChemCatChem, 2016, 8, 2614-2619.	1.8	98
132	Zn3[Fe(CN)6]2 derived Fe/Fe5C2@N-doped carbon as a highly effective oxygen reduction reaction catalyst for zinc-air battery. Applied Catalysis B: Environmental, 2019, 244, 197-205.	10.8	98
133	Tuning 2D MXenes by Surface Controlling and Interlayer Engineering: Methods, Properties, and Synchrotron Radiation Characterizations. Advanced Functional Materials, 2020, 30, 2000869.	7.8	98
134	Solvothermal Synthesis of Ternary Cu₂MoS₄ Nanosheets: Structural Characterization at the Atomic Level. Small, 2014, 10, 4637-4644.	5.2	97
135	Pt4PdCu0.4 alloy nanoframes as highly efficient and robust bifunctional electrocatalysts for oxygen reduction reaction and formic acid oxidation. Nano Energy, 2017, 39, 532-538.	8.2	97
136	Delaminating Vanadium Carbides for Zincâ€Ion Storage: Hydrate Precipitation and H⁺/Zn²⁺ Coâ€Action Mechanism. Small Methods, 2019, 3, 1900495.	4.6	97
137	Interfacial engineering of heterogeneous catalysts for electrocatalysis. Materials Today, 2021, 48, 115-134.	8.3	96
138	Synthesis, characterization and self-assembly of silver nanowires. Chemical Physics Letters, 2003, 380, 146-149.	1.2	95
139	Hydriding Pd cocatalysts: An approach to giant enhancement on photocatalytic CO2 reduction into CH4. Nano Research, 2017, 10, 3396-3406.	5.8	95
140	A New Cubic Phase for a NaYF₄ Host Matrix Offering High Upconversion Luminescence Efficiency. Advanced Materials, 2015, 27, 5528-5533.	11.1	94
141	Atomic Ru Immobilized on Porous h-BN through Simple Vacuum Filtration for Highly Active and Selective CO₂ Methanation. ACS Catalysis, 2019, 9, 10077-10086.	5.5	93
142	Operando X-ray spectroscopy visualizing the chameleon-like structural reconstruction on an oxygen evolution electrocatalyst. Energy and Environmental Science, 2021, 14, 906-915.	15.6	93
143	Highly Defective Fe-Based Oxyhydroxides from Electrochemical Reconstruction for Efficient Oxygen Evolution Catalysis. ACS Energy Letters, 2018, 3, 861-868.	8.8	92
144	Tailoring the Structure of Carbon Nanomaterials toward Highâ€End Energy Applications. Advanced Materials, 2018, 30, e1802104.	11.1	92

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145	Dial the Mechanism Switch of VN from Conversion to Intercalation toward Long Cycling Sodiumâ€ion Battery. Advanced Energy Materials, 2020, 10, 1903712.	10.2	92
146	Growth and characterization of axially periodic Zn2SnO4 (ZTO) nanostructures. Journal of Crystal Growth, 2004, 267, 177-183.	0.7	90
147	Optical Bifunctionality of Europium-Complexed Luminescent Graphene Nanosheets. Nano Letters, 2011, 11, 5227-5233.	4.5	88
148	Boosting Electrocatalytic Ammonia Production through Mimicking â€œÏ€ Back-Donationâ€• CheM, 2020, 6, 2690-2702.	5.8	88
149	Improving the blood compatibility of polyurethane using carbon nanotubes as fillers and its implications to cardiovascular surgery. Journal of Biomedical Materials Research - Part A, 2005, 74A, 208-214.	2.1	86
150	Multifunctional WS₂@Poly(ethylene imine) Nanoplatforms for Imaging Guided Geneâ€Photothermal Synergistic Therapy of Cancer. Advanced Healthcare Materials, 2016, 5, 2776-2787.	3.9	86
151	Atomically dispersed Fe-N-P-C complex electrocatalysts for superior oxygen reduction. Applied Catalysis B: Environmental, 2019, 249, 306-315.	10.8	85
152	Surfactant encapsulated palladium-polyoxometalates: controlled assembly and their application as single-atom catalysts. Chemical Science, 2016, 7, 1011-1015.	3.7	84
153	Growth Mechanism, Photoluminescence, and Field-Emission Properties of ZnO Nanoneedle Arrays. Journal of Physical Chemistry B, 2006, 110, 8566-8569.	1.2	83
154	Foldable All-Solid-State Supercapacitors Integrated with Photodetectors. Advanced Functional Materials, 2017, 27, 1604639.	7.8	83
155	Strain-Engineering of Bi₁₂O₁₇Br₂ Nanotubes for Boosting Photocatalytic CO₂ Reduction. , 2020, 2, 1025-1032.		82
156	Conversion of Intercalated MoO₃ to Multiâ€Heteroatomsâ€Doped MoS₂ with High Hydrogen Evolution Activity. Advanced Materials, 2020, 32, e2001167.	11.1	82
157	Atomic-level molybdenum oxide nanorings with full-spectrum absorption and photoresponsive properties. Nature Communications, 2017, 8, 1559.	5.8	81
158	Nanoscale TiO2 membrane coating spinel LiNi0.5Mn1.5O4 cathode material for advanced lithium-ion batteries. Journal of Alloys and Compounds, 2017, 705, 413-419.	2.8	79
159	HClâ€Based Hydrothermal Etching Strategy toward Fluorideâ€Free MXenes. Advanced Materials, 2021, 33, e2101015.	11.1	79
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