Yanguang Li

List of Publications by Year
in descending order

178 papers	49,815 citations	5574 82 h-index	3732 179 g-index
189 all docs	189 docs citations	189 times ranked	39248 citing authors

#	Article	IF	Citations
1	Co3O4 nanocrystals on graphene as a synergistic catalyst for oxygen reduction reaction. Nature Materials, 2011, 10, 780-786.	27.5	5,120
2	MoS₂ Nanoparticles Grown on Graphene: An Advanced Catalyst for the Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2011, 133, 7296-7299.	13.7	4,572
3	An Advanced Niâ€“Fe Layered Double Hydroxide Electrocatalyst for Water Oxidation. Journal of the American Chemical Society, 2013, 135, 8452-8455.	13.7	2,498
4	Highly Crystalline Multimetallic Nanoframes with Three-Dimensional Electrocatalytic Surfaces. Science, 2014, 343, 1339-1343.	12.6	2,376
5	Graphene-Wrapped Sulfur Particles as a Rechargeable Lithiumâ€“Sulfur Battery Cathode Material with High Capacity and Cycling Stability. Nano Letters, 2011, 11, 2644-2647.	9.1	1,973
6	Homogeneously dispersed multimetal oxygen-evolving catalysts. Science, 2016, 352, 333-337.	12.6	1,948
7	Recent advances in zincâ€“air batteries. Chemical Society Reviews, 2014, 43, 5257-5275.	38.1	1,882
8	An oxygen reduction electrocatalyst based on carbon nanotubeâ€“graphene complexes. Nature Nanotechnology, 2012, 7, 394-400.	31.5	1,533
9	Covalent Hybrid of Spinel Manganeseâ€“Cobalt Oxide and Graphene as Advanced Oxygen Reduction Electrocatalysts. Journal of the American Chemical Society, 2012, 134, 3517-3523.	13.7	1,266
10	Mesoporous Co₃O₄ Nanowire Arrays for Lithium Ion Batteries with High Capacity and Rate Capability. Nano Letters, 2008, 8, 265-270.	9.1	1,234
11	Recent advances in heterogeneous electrocatalysts for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 14942-14962.	10.3	1,061
12	Advanced zinc-air batteries based on high-performance hybrid electrocatalysts. Nature Communications, 2013, 4, 1805.	12.8	976
13	Strongly Coupled Inorganic/Nanocarbon Hybrid Materials for Advanced Electrocatalysis. Journal of the American Chemical Society, 2013, 135, 2013-2036.	13.7	856
14	Ni_{<i>x</i>}Co_{3âˆ’<i>x</i>}O₄ Nanowire Arrays for Electrocatalytic Oxygen Evolution. Advanced Materials, 2010, 22, 1926-1929.	21.0	837
15	Oxygen Reduction Electrocatalyst Based on Strongly Coupled Cobalt Oxide Nanocrystals and Carbon Nanotubes. Journal of the American Chemical Society, 2012, 134, 15849-15857.	13.7	747
16	Metalâ€“Air Batteries: Will They Be the Future Electrochemical Energy Storage Device of Choice?. ACS Energy Letters, 2017, 2, 1370-1377.	17.4	709
17	Ultrathin bismuth nanosheets from in situ topotactic transformation for selective electrocatalytic CO2 reduction to formate. Nature Communications, 2018, 9, 1320.	12.8	658
18	CO₂ Reduction: From the Electrochemical to Photochemical Approach. Advanced Science, 2017, 4, 1700194.	11.2	651

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19	High-Performance Silicon Photoanodes Passivated with Ultrathin Nickel Films for Water Oxidation. Science, 2013, 342, 836-840.	12.6	630
20	Ultrathin WS₂ Nanoflakes as a Highâ€Performance Electrocatalyst for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2014, 53, 7860-7863.	13.8	622
21	Facile Preparation of Multifunctional Upconversion Nanoprobes for Multimodal Imaging and Dualâ€Targeted Photothermal Therapy. Angewandte Chemie - International Edition, 2011, 50, 7385-7390.	13.8	567
22	Mo₂C Nanoparticles Dispersed on Hierarchical Carbon Microflowers for Efficient Electrocatalytic Hydrogen Evolution. ACS Nano, 2016, 10, 11337-11343.	14.6	483
23	Ultrathin MoS_{2(1â€“<i>x</i>)}Se_{2<i>x</i>} Alloy Nanoflakes For Electrocatalytic Hydrogen Evolution Reaction. ACS Catalysis, 2015, 5, 2213-2219.	11.2	473
24	Highly active and durable methanol oxidation electrocatalyst based on the synergy of platinumâ€“nickel hydroxideâ€“graphene. Nature Communications, 2015, 6, 10035.	12.8	466
25	Structural defects on converted bismuth oxide nanotubes enable highly active electrocatalysis of carbon dioxide reduction. Nature Communications, 2019, 10, 2807.	12.8	456
26	Co_{1âˆ’<i>x</i>}Sâ€“Graphene Hybrid: A Highâ€Performance Metal Chalcogenide Electrocatalyst for Oxygen Reduction. Angewandte Chemie - International Edition, 2011, 50, 10969-10972.	13.8	413
27	Supported Cobalt Polyphthalocyanine for High-Performance Electrocatalytic CO2 Reduction. CheM, 2017, 3, 652-664.	11.7	406
28	Rechargeable Liâ€“O2 batteries with a covalently coupled MnCo2O4â€“graphene hybrid as an oxygen cathode catalyst. Energy and Environmental Science, 2012, 5, 7931.	30.8	393
29	Promises of Main Group Metalâ€“Based Nanostructured Materials for Electrochemical CO₂ Reduction to Formate. Advanced Energy Materials, 2020, 10, 1902338.	19.5	384
30	Zinc Stannate (Zn2SnO4) Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2007, 129, 4162-4163.	13.7	379
31	Metallic Cobalt Nanoparticles Encapsulated in Nitrogenâ€Enriched Graphene Shells: Its Bifunctional Electrocatalysis and Application in Zincâ€“Air Batteries. Advanced Functional Materials, 2016, 26, 4397-4404.	14.9	350
32	An ultrafast nickelâ€“iron battery from strongly coupled inorganic nanoparticle/nanocarbon hybrid materials. Nature Communications, 2012, 3, 917.	12.8	347
33	Freestanding Mesoporous Quasi-Single-Crystalline Co3O4Nanowire Arrays. Journal of the American Chemical Society, 2006, 128, 14258-14259.	13.7	338
34	Ultrasmall and phase-pure W2C nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. Nature Communications, 2016, 7, 13216.	12.8	334
35	Hierarchical VS₂ Nanosheet Assemblies: A Universal Host Material for the Reversible Storage of Alkali Metal Ions. Advanced Materials, 2017, 29, 1702061.	21.0	320
36	Sulfurâ€“carbon nano-composite as cathode for rechargeable lithium battery based on gel electrolyte. Electrochemistry Communications, 2002, 4, 499-502.	4.7	291

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37	Design strategies for nonaqueous multivalent-ion and monovalent-ion battery anodes. Nature Reviews Materials, 2020, 5, 276-294.	48.7	284
38	Selective CO₂ Reduction on 2D Mesoporous Bi Nanosheets. Advanced Energy Materials, 2018, 8, 1801536.	19.5	274
39	Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. Energy and Environmental Science, 2014, 7, 2025.	30.8	265
40	LiMn_{1âˆ’<i>x</i>}Fe_{<i>x</i>}PO₄ Nanorods Grown on Graphene Sheets for Ultrahighâ€Rateâ€Performance Lithium Ion Batteries. Angewandte Chemie - International Edition, 2011, 50, 7364-7368.	13.8	262
41	Liquid Phase Exfoliated MoS₂ Nanosheets Percolated with Carbon Nanotubes for High Volumetric/Areal Capacity Sodium-Ion Batteries. ACS Nano, 2016, 10, 8821-8828.	14.6	258
42	Promoting Effect of Ni(OH)₂ on Palladium Nanocrystals Leads to Greatly Improved Operation Durability for Electrocatalytic Ethanol Oxidation in Alkaline Solution. Advanced Materials, 2017, 29, 1703057.	21.0	251
43	2D PdAg Alloy Nanodendrites for Enhanced Ethanol Electroxidation. Advanced Materials, 2018, 30, 1706962.	21.0	243
44	N,B-codoped defect-rich graphitic carbon nanocages as high performance multifunctional electrocatalysts. Nano Energy, 2017, 42, 334-340.	16.0	238
45	Molecular Heterostructures of Covalent Triazine Frameworks for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie - International Edition, 2019, 58, 8676-8680.	13.8	230
46	Controlled Chlorine Plasma Reaction for Noninvasive Graphene Doping. Journal of the American Chemical Society, 2011, 133, 19668-19671.	13.7	211
47	Zincâ€“air batteries: are they ready for prime time?. Chemical Science, 2019, 10, 8924-8929.	7.4	211
48	Ultrathin nickelâ€“iron layered double hydroxide nanosheets intercalated with molybdate anions for electrocatalytic water oxidation. Journal of Materials Chemistry A, 2015, 3, 16348-16353.	10.3	209
49	Coassembly of Graphene Oxide and Nanowires for Large-Area Nanowire Alignment. Journal of the American Chemical Society, 2009, 131, 5851-5857.	13.7	195
50	Alloying Nickel with Molybdenum Significantly Accelerates Alkaline Hydrogen Electrocatalysis. Angewandte Chemie - International Edition, 2021, 60, 5771-5777.	13.8	182
51	Weakening hydrogen adsorption on nickel <i>via</i> interstitial nitrogen doping promotes bifunctional hydrogen electrocatalysis in alkaline solution. Energy and Environmental Science, 2019, 12, 3522-3529.	30.8	177
52	Cobalt Hexacyanoferrate Nanoparticles as a High-Rate and Ultra-Stable Supercapacitor Electrode Material. ACS Applied Materials & Interfaces, 2014, 6, 11007-11012.	8.0	171
53	Amorphous MoS ₃ as the sulfur-equivalent cathode material for room-temperature Liâ€“S and Naâ€“S batteries. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13091-13096.	7.1	170
54	Simple-Cubic Carbon Frameworks with Atomically Dispersed Iron Dopants toward High-Efficiency Oxygen Reduction. Nano Letters, 2017, 17, 2003-2009.	9.1	168

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55	Amorphous MoS₃ Infiltrated with Carbon Nanotubes as an Advanced Anode Material of Sodiumâ€ion Batteries with Large Gravimetric, Areal, and Volumetric Capacities. Advanced Energy Materials, 2017, 7, 1601602.	19.5	164
56	Electrical, Mechanical, and Capacity Percolation Leads to High-Performance MoS₂/Nanotube Composite Lithium Ion Battery Electrodes. ACS Nano, 2016, 10, 5980-5990.	14.6	159
57	Controlled synthesis of ZnO nanowires or nanotubes via solâ€“gel template process. Solid State Communications, 2005, 134, 485-489.	1.9	156
58	Construction of ultrafine ZnSe nanoparticles on/in amorphous carbon hollow nanospheres with high-power-density sodium storage. Nano Energy, 2019, 59, 762-772.	16.0	155
59	Mesoporous PdAg Nanospheres for Stable Electrochemical CO₂ Reduction to Formate. Advanced Materials, 2020, 32, e2000992.	21.0	153
60	<i>In Situ</i>X-ray Absorption Near-Edge Structure Study of Advanced NiFe(OH)_{<i>x</i>}Electrocatalyst on Carbon Paper for Water Oxidation. Journal of Physical Chemistry C, 2015, 119, 19573-19583.	3.1	146
61	Ammonia-Evaporation-Induced Synthetic Method for Metal (Cu, Zn, Cd, Ni) Hydroxide/Oxide Nanostructures. Chemistry of Materials, 2008, 20, 567-576.	6.7	142
62	TiS 2 nanoplates: A high-rate and stable electrode material for sodium ion batteries. Nano Energy, 2016, 20, 168-175.	16.0	137
63	Frenkel-defected monolayer MoS2 catalysts for efficient hydrogen evolution. Nature Communications, 2022, 13, 2193.	12.8	137
64	MoS₂ Nanosheet Assembling Superstructure with a Three-Dimensional Ion Accessible Site: A New Class of Bifunctional Materials for Batteries and Electrocatalysis. Chemistry of Materials, 2016, 28, 2074-2080.	6.7	130
65	Improved Sodium-Ion Storage Performance of Ultrasmall Iron Selenide Nanoparticles. Nano Letters, 2017, 17, 4137-4142.	9.1	128
66	Solvothermal Synthesis of Alloyed PtNi Colloidal Nanocrystal Clusters (CNCs) with Enhanced Catalytic Activity for Methanol Oxidation. Advanced Functional Materials, 2018, 28, 1704774.	14.9	126
67	Activating Li₂S as the Lithium-Containing Cathode in Lithiumâ€“Sulfur Batteries. ACS Energy Letters, 2020, 5, 2234-2245.	17.4	125
68	Recent advances in black-phosphorus-based materials for electrochemical energy storage. Materials Today, 2021, 42, 117-136.	14.2	125
69	Highâ€Performance Oxygen Reduction Electrocatalyst Derived from Polydopamine and Cobalt Supported on Carbon Nanotubes for Metalâ€“Air Batteries. Advanced Functional Materials, 2017, 27, 1606034.	14.9	121
70	Nanostructured CuP₂/C composites as high-performance anode materials for sodium ion batteries. Journal of Materials Chemistry A, 2015, 3, 21754-21759.	10.3	113
71	Iron polyphthalocyanine sheathed multiwalled carbon nanotubes: A high-performance electrocatalyst for oxygen reduction reaction. Nano Research, 2016, 9, 1497-1506.	10.4	112
72	Conjugated Cobalt Polyphthalocyanine as the Elastic and Reprocessable Catalyst for Flexible Liâ€“CO₂ Batteries. Advanced Materials, 2019, 31, e1805484.	21.0	112

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73	Ultra-dispersed molybdenum phosphide and phosphosulfide nanoparticles on hierarchical carbonaceous scaffolds for hydrogen evolution electrocatalysis. Applied Catalysis B: Environmental, 2019, 245, 656-661.	20.2	108
74	Engineering manganese oxide/nanocarbon hybrid materials for oxygen reduction electrocatalysis. Nano Research, 2012, 5, 718-725.	10.4	104
75	Rational Synthesis and Assembly of Ni₃S₄ Nanorods for Enhanced Electrochemical Sodium-Ion Storage. ACS Nano, 2018, 12, 1829-1836.	14.6	104
76	WS2 nanoflakes from nanotubes for electrocatalysis. Nano Research, 2013, 6, 921-928.	10.4	103
77	N,P-coordinated fullerene-like carbon nanostructures with dual active centers toward highly-efficient multi-functional electrocatalysis for CO₂RR, ORR and Zn-air battery. Journal of Materials Chemistry A, 2019, 7, 15271-15277.	10.3	99
78	All flexible electrospun papers based self-charging power system. Nano Energy, 2017, 38, 210-217.	16.0	97
79	Deciphering the Reaction Mechanism of Lithiumâ€"Sulfur Batteries by In Situ/Operando Synchrotronâ€Based Characterization Techniques. Advanced Energy Materials, 2019, 9, 1900148.	19.5	96
80	Self-templated synthesis of hierarchical mesoporous SnO₂ nanosheets for selective CO₂ reduction. Journal of Materials Chemistry A, 2019, 7, 1267-1272.	10.3	93
81	Transition metal macrocycles for heterogeneous electrochemical CO2 reduction. Coordination Chemistry Reviews, 2020, 422, 213435.	18.8	88
82	Highly reversible Na and K metal anodes enabled by carbon paper protection. Energy Storage Materials, 2018, 15, 8-13.	18.0	85
83	Feâ€"N bonding in a carbon nanotubeâ€"graphene complex for oxygen reduction: an XAS study. Physical Chemistry Chemical Physics, 2014, 16, 15787.	2.8	84
84	Ultradispersed WxC nanoparticles enable fast polysulfide interconversion for high-performance Li-S batteries. Nano Energy, 2019, 59, 636-643.	16.0	83
85	Towards practical lean-electrolyte Liâ€"S batteries: Highly solvating electrolytes or sparingly solvating electrolytes?. , 2022, 1, e9120012.		83
86	CuWO₄ Nanoflake Array-Based Single-Junction and Heterojunction Photoanodes for Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 9211-9217.	8.0	81
87	Largeâ€Area Vertically Aligned Bismuthene Nanosheet Arrays from Galvanic Replacement Reaction for Efficient Electrochemical CO₂ Conversion. Advanced Materials, 2021, 33, e2100910.	21.0	81
88	Engineering SnS₂ nanosheet assemblies for enhanced electrochemical lithium and sodium ion storage. Journal of Materials Chemistry A, 2017, 5, 25618-25624.	10.3	79
89	Designing principles of advanced sulfur cathodes toward practical lithiumâ€sulfur batteries. SusMat, 2022, 2, 34-64.	14.9	77
90	Intermetallic PtBi core/ultrathin Pt shell nanoplates for efficient and stable methanol and ethanol electro-oxidization. Nano Research, 2019, 12, 429-436.	10.4	76

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91	Alloyed Palladiumâ€“Silver Nanowires Enabling Ultrastable Carbon Dioxide Reduction to Formate. Advanced Materials, 2021, 33, e2005821.	21.0	73
92	Directly anchoring Fe3C nanoclusters and FeNx sites in ordered mesoporous nitrogen-doped graphitic carbons to boost electrocatalytic oxygen reduction. Carbon, 2017, 121, 143-153.	10.3	71
93	Sizeâ€Dependent Selectivity of Electrochemical CO₂ Reduction on Converted In₂O₃ Nanocrystals. Angewandte Chemie - International Edition, 2021, 60, 15844-15848.	13.8	71
94	MoSe2 porous microspheres comprising monolayer flakes with high electrocatalytic activity. Nano Research, 2015, 8, 1108-1115.	10.4	70
95	Molecular Heterostructures of Covalent Triazine Frameworks for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie, 2019, 131, 8768-8772.	2.0	67
96	Bilayer nanosheets of unusual stoichiometric bismuth oxychloride for potassium ion storage and CO2 reduction. Nano Energy, 2020, 75, 104939.	16.0	66
97	Stabilizing nickel sulfide nanoparticles with an ultrathin carbon layer for improved cycling performance in sodium ion batteries. Nano Research, 2016, 9, 3162-3170.	10.4	65
98	Fastâ€Charging and Ultrahighâ€Capacity Lithium Metal Anode Enabled by Surface Alloying. Advanced Energy Materials, 2020, 10, 1902343.	19.5	65
99	Chemical Immobilization and Conversion of Active Polysulfides Directly by Copper Current Collector: A New Approach to Enabling Stable Roomâ€Temperature Liâ€S and Naâ€S Batteries. Advanced Energy Materials, 2018, 8, 1800624.	19.5	64
100	Nickel-coated silicon photocathode for water splitting in alkaline electrolytes. Nano Research, 2015, 8, 1577-1583.	10.4	63
101	Polyanthraquinone-based nanostructured electrode material capable of high-performance pseudocapacitive energy storage in aprotic electrolyte. Nano Energy, 2015, 15, 654-661.	16.0	63
102	Metalâ€Free Photocatalytic Hydrogenation Using Covalent Triazine Polymers. Angewandte Chemie - International Edition, 2020, 59, 14378-14382.	13.8	60
103	Mesoporous Nb-Doped TiO₂ as Pt Support for Counter Electrode in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2009, 113, 7456-7460.	3.1	59
104	Two-Dimensional Palladiumâ€“Copper Alloy Nanodendrites for Highly Stable and Selective Electrochemical Formate Production. Nano Letters, 2021, 21, 4092-4098.	9.1	59
105	Phaseâ€Dependent Electrocatalytic CO₂ Reduction on Pd₃Bi Nanocrystals. Angewandte Chemie - International Edition, 2021, 60, 21741-21745.	13.8	59
106	Critical Role of Screw Dislocation in the Growth of Co(OH)₂ Nanowires as Intermediates for Co₃O₄ Nanowire Growth. Chemistry of Materials, 2010, 22, 5537-5542.	6.7	56
107	Two-dimensional semiconducting covalent organic frameworks for photocatalytic solar fuel production. Materials Today, 2020, 40, 160-172.	14.2	56
108	Carbonaceous materials for electrochemical CO2 reduction. EnergyChem, 2020, 2, 100024.	19.1	55

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109	2D Molecular Sheets of Hydrogenâ€Bonded Organic Frameworks for Ultrastable Sodiumâ€Ion Storage. Advanced Materials, 2021, 33, e2106079.	21.0	55
110	Cobalt atoms dispersed on hierarchical carbon nitride support as the cathode electrocatalyst for high-performance lithium-polysulfide batteries. Science Bulletin, 2019, 64, 1875-1880.	9.0	54
111	Formation of $Na_{0.44}MnO_2$ nanowires via stress-induced splitting of birnessite nanosheets. Nano Research, 2009, 2, 54-60.	10.4	53
112	Selective electrocatalytic CO_2 reduction enabled by SnO_2 nanoclusters. Journal of Energy Chemistry, 2019, 37, 93-96.	12.9	52
113	Scalable preparation and stabilization of atomic-thick CoNi layered double hydroxide nanosheets for bifunctional oxygen electrocatalysis and rechargeable zinc-air batteries. Energy Storage Materials, 2019, 16, 24-30.	18.0	52
114	Photocathode engineering for efficient photoelectrochemical CO_2 reduction. Materials Today Nano, 2020, 10, 100077.	4.6	52
115	Understanding and leveraging the effect of cations in the electrical double layer for electrochemical CO_2 reduction. Chem Catalysis, 2022, 2, 1267-1276.	6.1	52
116	Iron-based sodium-ion full batteries. Journal of Materials Chemistry A, 2016, 4, 1754-1761.	10.3	50
117	Designing effective Si/Ag interface <i>via</i> controlled chemical etching for photoelectrochemical CO₂ reduction. Journal of Materials Chemistry A, 2018, 6, 21906-21912.	10.3	50
118	Copperâ€Bismuth Bimetallic Microspheres for Selective Electrocatalytic Reduction of CO₂ to Formate. Chinese Journal of Chemistry, 2019, 37, 497-500.	4.9	50
119	Toward Highly Selective Electrochemical CO₂ Reduction using Metalâ€Free Heteroatomâ€Doped Carbon. Advanced Science, 2020, 7, 2001002.	11.2	48
120	Bimetallic PdAu Nanoframes for Electrochemical H₂O₂ Production in Acids. , 2021, 3, 996-1002.		48
121	Interlayer-expanded MoS_2 assemblies for enhanced electrochemical storage of potassium ions. Nano Research, 2020, 13, 225-230.	10.4	47
122	Efficient Photoelectrochemical Hydrogen Evolution on Silicon Photocathodes Interfaced with Nanostructured NiP₂ Cocatalyst Films. ACS Applied Materials & Interfaces, 2016, 8, 31025-31031.	8.0	46
123	Controllable Synthesis of Ordered Mesoporous Mo₂C@Graphitic Carbon Coreâ€"Shell Nanowire Arrays for Efficient Electrocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2018, 10, 18761-18770.	8.0	46
124	Roomâ€temperature metalâ€"sulfur batteries: What can we learn from <scp>lithiumâ€"sulfur</scp>?. InformaÄnÃ MateriÃ¡ly, 2022, 4, .	17.3	45
125	Two-electron oxygen reduction reaction by high-loading molybdenum single-atom catalysts. Rare Metals, 2020, 39, 455-457.	7.1	40
126	Selective electrochemical production of hydrogen peroxide at zigzag edges of exfoliated molybdenum telluride nanoflakes. National Science Review, 2020, 7, 1360-1366.	9.5	40

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127	Electronic Tuning of Covalent Triazine Framework Nanoshells for Highly Efficient Photocatalytic H₂O₂ Production. Advanced Sustainable Systems, 2021, 5, 2100184.	5.3	40
128	Single-Crystalline Mesoporous Palladium and Palladium-Copper Nanocubes for Highly Efficient Electrochemical CO ₂ Reduction. CCS Chemistry, 2022, 4, 1376-1385.	7.8	39
129	Theory-guided design of hydrogen-bonded cobaltoporphyrin frameworks for highly selective electrochemical H2O2 production in acid. Nature Communications, 2022, 13, 2721.	12.8	38
130	Alloying Nickel with Molybdenum Significantly Accelerates Alkaline Hydrogen Electrocatalysis. Angewandte Chemie, 2021, 133, 5835-5841.	2.0	37
131	Valorizing carbon dioxide via electrochemical reduction on gasâ€diffusion electrodes. InformaÄnÃ- MateriÃ¡ly, 2021, 3, 1313-1332.	17.3	37
132	Preparation, characterization, and electrocatalytic performance of graphene-methylene blue thin films. Nano Research, 2011, 4, 124-130.	10.4	35
133	A hierarchical Î±-MoC_{1âˆ’x}hybrid nanostructure for lithium-ion storage. Journal of Materials Chemistry A, 2017, 5, 8125-8132.	10.3	34
134	Highly Dispersed Indium Oxide Nanoparticles Supported on Carbon Nanorods Enabling Efficient Electrochemical CO₂ Reduction. Small Science, 2021, 1, 2100029.	9.9	34
135	Salt-templated growth of monodisperse hollow nanostructures. Journal of Materials Chemistry A, 2019, 7, 1404-1409.	10.3	33
136	The structural and electronic properties of spinel MnCo2O4 bulk and low-index surfaces: From first principles studies. Applied Surface Science, 2015, 349, 510-515.	6.1	32
137	Silicon/Organic Heterojunction for Photoelectrochemical Energy Conversion Photoanode with a Record Photovoltage. ACS Nano, 2016, 10, 9411-9419.	14.6	32
138	Influence of crystal phase on TiO₂ nanowire anodes in sodium ion batteries. Journal of Materials Chemistry A, 2017, 5, 20005-20013.	10.3	32
139	Synthesis and Electrochemical Properties of Semicrystalline Gyroidal Mesoporous MnO2. Chinese Journal of Chemistry, 2006, 24, 835-839.	4.9	31
140	Controlled chemical etching leads to efficient siliconâ€"bismuth interface for photoelectrochemical CO2 reduction to formate. Materials Today Chemistry, 2019, 11, 80-85.	3.5	31
141	Liâ€"S batteries: Firing for compactness. Nature Energy, 2017, 2, .	39.5	30
142	Review on Multivalent Rechargeable Metalâ€"Organic Batteries. Energy & Fuels, 2021, 35, 7624-7636.	5.1	28
143	An Integrated Peptide-Antigen Microarray on Plasmonic Gold Films for Sensitive Human Antibody Profiling. PLoS ONE, 2013, 8, e71043.	2.5	27
144	Simultaneous power generation and CO₂valorization by aqueous Alâ€"CO₂batteries using nanostructured Bi₂S₃as the cathode electrocatalyst. Journal of Materials Chemistry A, 2020, 8, 12385-12390.	10.3	27

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145	Solvent-free nanocasting toward universal synthesis of ordered mesoporous transition metal sulfide@N-doped carbon composites for electrochemical applications. Nano Research, 2019, 12, 2250-2258.	10.4	25
146	Liquid phase exfoliation of GeS nanosheets in ambient conditions for lithium ion battery applications. 2D Materials, 2020, 7, 035015.	4.4	25
147	Co3O4@carbon with high Co2+/Co3+ ratios derived from ZIF-67 supported on N-doped carbon nanospheres as stable bifunctional oxygen catalysts. Materials Today Energy, 2021, 21, 100737.	4.7	25
148	Controllably Interfacing with Ferroelectric Layer: A Strategy for Enhancing Water Oxidation on Silicon by Surface Polarization. ACS Applied Materials & Interfaces, 2015, 7, 25601-25607.	8.0	24
149	Mo<i>_x</i>W_{1â^’}<i>_x</i>(S<i>_y</i>Se_{1â^’}<i>_y</i>)<su Alloy Nanoflakes for Highâ€Performance Electrocatalytic Hydrogen Evolution. Particle and Particle Systems Characterization, 2016, 33, 576-582.	2.3	24
150	Recent Progress on Pd-based Nanomaterials for Electrochemical CO₂ Reduction. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	22
151	Multiscale structural engineering of carbon nitride for enhanced photocatalytic H2O2 production. Nano Research, 2023, 16, 4524-4530.	10.4	21
152	Emerging Characterization Techniques for Electrode Interfaces in Sulfideâ€Based Allâ€Solidâ€State Lithium Batteries. Small Structures, 2022, 3, 2100146.	12.0	21
153	Molybdenum carbide nanostructures for electrocatalytic polysulfide conversion in lithiumâ€“polysulfide batteries. Nanoscale Horizons, 2020, 5, 501-506.	8.0	19
154	Tuning the activity/stability balance of anion doped CoS Se2â^' dichalcogenides. Journal of Catalysis, 2018, 366, 50-60.	6.2	17
155	Photoelectrochemically Active Nâ€Adsorbing Ultrathin TiO₂ Layers for Waterâ€Splitting Applications Prepared by Pyrolysis of Oleic Acid on Iron Oxide Nanoparticle Surfaces under Nitrogen Environment. Advanced Materials Interfaces, 2019, 6, 1801286.	3.7	16
156	High Electrocatalytic Response of Ultra-refractory Ternary Alloys of Ta-Hf-C Carbide toward Hydrogen Evolution Reaction in Acidic Media. Journal of Physical Chemistry C, 2018, 122, 25433-25440.	3.1	16
157	Î²-PdBi2 monolayer: two-dimensional topological metal with superior catalytic activity for carbon dioxide electroreduction to formic acid. Materials Today Advances, 2020, 8, 100091.	5.2	14
158	Morphology engineering of cobalt embedded in nitrogen doped porous carbon as bifunctional oxygen electrocatalyst for Zn-air battery. Materials Today Energy, 2020, 17, 100455.	4.7	12
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