

Mingbo Wu

List of Publications by Year in descending order

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163
papers

7,707
citations

38660

50
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69108

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all docs

166
docs citations

166
times ranked

9502
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu ⁺ N Dopants Boost Electron Transfer and Photooxidation Reactions of Carbon Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6540-6544.	7.2	244
2	Metal-Organic Frameworks Mediated Synthesis of One-Dimensional Molybdenum-Based/Carbon Composites for Enhanced Lithium Storage. <i>ACS Nano</i> , 2018, 12, 1990-2000.	7.3	221
3	Preparation of functionalized water-soluble photoluminescent carbon quantum dots from petroleum coke. <i>Carbon</i> , 2014, 78, 480-489.	5.4	210
4	Hydrotalcite-like Ni(OH) ₂ Nanosheets in Situ Grown on Nickel Foam for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33601-33607.	4.0	204
5	Synthesis of Biomass-Derived Nitrogen-Doped Porous Carbon Nanosheets for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8405-8412.	3.2	203
6	A layered-template-nanospace-confinement strategy for production of corrugated graphene nanosheets from petroleum pitch for supercapacitors. <i>Chemical Engineering Journal</i> , 2016, 297, 121-127.	6.6	168
7	Synergetic Transformations of Multiple Pollutants Driven by Cr(VI)-Sulfite Reactions. <i>Environmental Science & Technology</i> , 2015, 49, 12363-12371.	4.6	163
8	Remediating Defects in Carbon Nitride To Improve both Photooxidation and H ₂ Generation Efficiencies. <i>ACS Catalysis</i> , 2016, 6, 3365-3371.	5.5	148
9	Heteromorphic NiCo ₂ S ₄ /Ni ₃ S ₂ /Ni Foam as a Self-Standing Electrode for Hydrogen Evolution Reaction in Alkaline Solution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10890-10897.	4.0	147
10	Robust NiCoP/CoP Heterostructures for Highly Efficient Hydrogen Evolution Electrocatalysis in Alkaline Solution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15528-15536.	4.0	139
11	Confinement Effect of Carbon Nanotubes: Copper Nanoparticles Filled Carbon Nanotubes for Hydrogenation of Methyl Acetate. <i>ACS Catalysis</i> , 2012, 2, 1958-1966.	5.5	138
12	Monodispersed Hollow SO ₃ H-Functionalized Carbon/Silica as Efficient Solid Acid Catalyst for Esterification of Oleic Acid. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26767-26775.	4.0	124
13	Enhancing Selective Photooxidation through Co ⁺ Nx-doped Carbon Materials as Singlet Oxygen Photosensitizers. <i>ACS Catalysis</i> , 2017, 7, 7267-7273.	5.5	111
14	3D self-assembly synthesis of hierarchical porous carbon from petroleum asphalt for supercapacitors. <i>Carbon</i> , 2018, 134, 345-353.	5.4	103
15	Chemical state of surrounding iron species affects the activity of Fe-Nx for electrocatalytic oxygen reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 240-246.	10.8	101
16	Synthesis of starch-derived mesoporous carbon for electric double layer capacitor. <i>Chemical Engineering Journal</i> , 2014, 245, 166-172.	6.6	99
17	Preparation of carbon nanosheets from petroleum asphalt via recyclable molten-salt method for superior lithium and sodium storage. <i>Carbon</i> , 2017, 122, 344-351.	5.4	99
18	Lamellar Metal Organic Framework-Derived Fe ⁺ N ⁺ C Non-Noble Electrocatalysts with Bimodal Porosity for Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5272-5278.	4.0	95

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19	Controllably Enriched Oxygen Vacancies through Polymer Assistance in Titanium Pyrophosphate as a Super Anode for Na/K-Ion Batteries. <i>ACS Nano</i> , 2019, 13, 9227-9236.	7.3	94
20	Synthesis of three dimensional extended conjugated polyimide and application as sodium-ion battery anode. <i>Chemical Engineering Journal</i> , 2016, 287, 516-522.	6.6	90
21	Pt Nanocatalysts Supported on Reduced Graphene Oxide for Selective Conversion of Cellulose or Cellobiose to Sorbitol. <i>ChemSusChem</i> , 2014, 7, 1398-1406.	3.6	89
22	Intrinsic Defect-Rich Hierarchically Porous Carbon Architectures Enabling Enhanced Capture and Catalytic Conversion of Polysulfides. <i>ACS Nano</i> , 2020, 14, 6222-6231.	7.3	89
23	Combination of uniform SnO ₂ nanocrystals with nitrogen doped graphene for high-performance lithium-ion batteries anode. <i>Chemical Engineering Journal</i> , 2016, 283, 1435-1442.	6.6	88
24	Synthesis of ultrathin hollow carbon shell from petroleum asphalt for high-performance anode material in lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2016, 286, 632-639.	6.6	86
25	A Tunable Molten-Salt Route for Scalable Synthesis of Ultrathin Amorphous Carbon Nanosheets as High-Performance Anode Materials for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5577-5585.	4.0	84
26	Facile synthesis of ZnO/mesoporous carbon nanocomposites as high-performance anode for lithium-ion battery. <i>Chemical Engineering Journal</i> , 2015, 271, 173-179.	6.6	81
27	Preparation of porous carbons from petroleum coke by different activation methods. <i>Fuel</i> , 2005, 84, 1992-1997.	3.4	79
28	Graphene oxide-induced synthesis of button-shaped amorphous Fe ₂ O ₃ /rGO/CNFs films as flexible anode for high-performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 369, 215-222.	6.6	79
29	Hierarchically micro- and meso-porous Fe-N ₄ O-doped carbon as robust electrocatalyst for CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118630.	10.8	74
30	Laser Irradiation of Electrode Materials for Energy Storage and Conversion. <i>Matter</i> , 2020, 3, 95-126.	5.0	74
31	Three-dimensional ZnMn ₂ O ₄ /porous carbon framework from petroleum asphalt for high performance lithium-ion battery. <i>Electrochimica Acta</i> , 2015, 180, 164-172.	2.6	73
32	Direct Conversion of CO ₂ to Ethanol Boosted by Intimacy-Sensitive Multifunctional Catalysts. <i>ACS Catalysis</i> , 2021, 11, 11742-11753.	5.5	69
33	Fe/Fe ₃ C Boosts H ₂ O Utilization for Methane Conversion Overwhelming O ₂ Generation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8889-8895.	7.2	66
34	Graphene enhanced carbon-coated tin dioxide nanoparticles for lithium-ion secondary batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7471-7477.	5.2	65
35	Engineering monomer structure of carbon nitride for the effective and mild photooxidation reaction. <i>Carbon</i> , 2016, 100, 450-455.	5.4	65
36	Synergistic Effects between Doped Nitrogen and Phosphorus in Metal-Free Cathode for Zinc-Air Battery from Covalent Organic Frameworks Coated CNT. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44519-44528.	4.0	65

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37	Fe-N-doped porous carbon from petroleum asphalt for highly efficient oxygen reduction reaction. <i>Carbon</i> , 2018, 126, 1-8.	5.4	64
38	N-doped reduced graphene oxide supported Cu ₂ O nanocubes as high active catalyst for CO ₂ electroreduction to C ₂ H ₄ . <i>Journal of Alloys and Compounds</i> , 2019, 785, 7-12.	2.8	63
39	Self-assembly of disordered hard carbon/graphene hybrid for sodium-ion batteries. <i>Journal of Power Sources</i> , 2016, 305, 156-160.	4.0	61
40	Unraveling the Synergy of Chemical Hydroxylation and the Physical Heterointerface upon Improving the Hydrogen Evolution Kinetics. <i>ACS Nano</i> , 2021, 15, 15017-15026.	7.3	59
41	A green approach towards simultaneous remediations of chromium(VI) and arsenic(III) in aqueous solution. <i>Chemical Engineering Journal</i> , 2015, 262, 1144-1151.	6.6	58
42	Cation modulating electrocatalyst derived from bimetallic metal-organic frameworks for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6170-6177.	5.2	58
43	Heavy oil-derived carbon for energy storage applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7066-7082.	5.2	57
44	Cubic Cu ₂ O on nitrogen-doped carbon shells for electrocatalytic CO ₂ reduction to C ₂ H ₄ . <i>Carbon</i> , 2019, 146, 218-223.	5.4	56
45	Novel in-situ redox synthesis of Fe ₃ O ₄ /rGO composites with superior electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 262, 233-240.	2.6	55
46	Template-free synthesis of coral-like nitrogen-doped carbon dots/Ni ₃ S ₂ /Ni foam composites as highly efficient electrodes for water splitting. <i>Carbon</i> , 2018, 129, 335-341.	5.4	55
47	Supramolecular polymerization-assisted synthesis of nitrogen and sulfur dual-doped porous graphene networks from petroleum coke as efficient metal-free electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11331-11339.	5.2	54
48	Synthesis of nanocomposites with carbon-SnO ₂ dual-shells on TiO ₂ nanotubes and their application in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16057-16063.	5.2	53
49	Graphene structure boosts electron transfer of dual-metal doped carbon dots in photooxidation. <i>Carbon</i> , 2018, 126, 128-134.	5.4	53
50	Synergies between Unsaturated Zn/Cu Doping Sites in Carbon Dots Provide New Pathways for Photocatalytic Oxidation. <i>ACS Catalysis</i> , 2018, 8, 747-753.	5.5	53
51	Boosting the Pseudocapacitive and High Mass-Loaded Lithium/Sodium Storage through Bonding Polyoxometalate Nanoparticles on MXene Nanosheets. <i>Advanced Functional Materials</i> , 2021, 31, 2007636.	7.8	53
52	Combination of Nitrogen-Doped Graphene with MoS ₂ Nanoclusters for Improved Li-S Battery Cathode: Synthetic Effect between 2D Components. <i>Electrochimica Acta</i> , 2017, 252, 200-207.	2.6	52
53	Structural Modulation of Co Catalyzed Carbon Nanotubes with Cu-Co Bimetal Active Center to Inspire Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3937-3945.	4.0	51
54	Shell-like hierarchical porous carbons for high-rate performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 134-140.	2.2	50

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55	Green fabrication of magnetic recoverable graphene/MnFe ₂ O ₄ hybrids for efficient decomposition of methylene blue and the Mn/Fe redox synergetic mechanism. RSC Advances, 2016, 6, 104549-104555.	1.7	50
56	Three-dimensional printing of high-mass loading electrodes for energy storage applications. Information Materials, 2021, 3, 631-647.	8.5	50
57	The roles of polycarboxylates in Cr(VI)/sulfite reaction system: Involvement of reactive oxygen species and intramolecular electron transfer. Journal of Hazardous Materials, 2016, 304, 457-466.	6.5	49
58	A green and template recyclable approach to prepare Fe ₃ O ₄ /porous carbon from petroleum asphalt for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 695, 2612-2618.	2.8	49
59	Carbon Dots Decorated Hierarchical NiCo ₂ S ₄ /Ni ₃ S ₂ Composite for Efficient Water Splitting. ACS Sustainable Chemistry and Engineering, 2019, 7, 2610-2618.	3.2	49
60	Enteromorpha based porous carbons activated by zinc chloride for supercapacitors with high capacity retention. RSC Advances, 2015, 5, 16575-16581.	1.7	47
61	Amorphous Al ₂ O ₃ with N-Doped Porous Carbon as Efficient Polysulfide Barrier in Li-S Batteries. ACS Applied Energy Materials, 2019, 2, 1266-1273.	2.5	47
62	Carbon dots-oriented synthesis of fungus-like CoP microspheres as a bifunctional electrocatalyst for efficient overall water splitting. Carbon, 2021, 182, 327-334.	5.4	46
63	Porous g-C ₃ N ₄ and FeOOH bridged by carbon dots as synergetic visible-light-driven photo-fenton catalysts for contaminated water remediation. Carbon, 2021, 183, 628-640.	5.4	46
64	Active and regioselective rhodium catalyst supported on reduced graphene oxide for 1-hexene hydroformylation. Catalysis Science and Technology, 2016, 6, 1162-1172.	2.1	45
65	Green and scalable synthesis of porous carbon nanosheet-assembled hierarchical architectures for robust capacitive energy harvesting. Carbon, 2019, 152, 537-544.	5.4	45
66	Electrospinning ZnO/carbon nanofiber as binder-free and self-supported anode for Li-ion batteries. Journal of Alloys and Compounds, 2017, 722, 716-720.	2.8	44
67	Synergistically enhanced activity of nitrogen-doped carbon dots/graphene composites for oxygen reduction reaction. Applied Surface Science, 2017, 423, 909-916.	3.1	44
68	Facile preparation of mesoporous carbons for supercapacitors by one-step microwave-assisted ZnCl ₂ activation. Materials Letters, 2013, 94, 158-160.	1.3	43
69	MnS decorated N/S codoped 3D graphene which used as cathode of the lithium-sulfur battery. Applied Surface Science, 2018, 433, 10-15.	3.1	42
70	Schottky Contact in Monolayer WS ₂ Field-Effect Transistors. Advanced Theory and Simulations, 2019, 2, 1900001.	1.3	42
71	A Hydrogen-Initiated Chemical Epitaxial Growth Strategy for In-Plane Heterostructured Photocatalyst. ACS Nano, 2020, 14, 17505-17514.	7.3	41
72	Aligning potential differences within carbon nitride based photocatalysis for efficient solar energy harvesting. Nano Energy, 2021, 89, 106357.	8.2	41

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73	Non-corrosive and low-cost synthesis of hierarchically porous carbon frameworks for high-performance lithium-ion capacitors. <i>Carbon</i> , 2021, 173, 646-654.	5.4	40
74	Cu,Zn Dopants Boost Electron Transfer of Carbon Dots for Antioxidation. <i>Small</i> , 2021, 17, e2102178.	5.2	40
75	Manipulation of interlayer spacing and surface charge of carbon nanosheets for robust lithium/sodium storage. <i>Carbon</i> , 2019, 153, 372-380.	5.4	39
76	Sub-5-nm Monolayer Silicane Transistor: A First-Principles Quantum Transport Simulation. <i>Physical Review Applied</i> , 2020, 14, .	1.5	38
77	Controllable Synthesis of Leaf-Like CuO Nanosheets for Selective CO ₂ Electroreduction to Ethylene. <i>ChemElectroChem</i> , 2020, 7, 2020-2025.	1.7	38
78	Regulation of energetic hot carriers on Pt/TiO ₂ with thermal energy for photothermal catalysis. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121263.	10.8	38
79	Synergetic effect of C [*] N [*] /C [*] N [*] coordination and the arylacetylide ligands on the photophysical properties of cyclometalated platinum complexes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2291-2301.	2.7	37
80	Polycyclic Aromatic Hydrocarbons as a New Class of Promising Cathode Materials for Aluminum-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114681.	7.2	37
81	High-Efficiency Simultaneous Oxidation of Organoarsenic and Immobilization of Arsenic in Fenton Enhanced Plasma System. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8277-8286.	1.8	36
82	Intercalating petroleum asphalt into electrospun ZnO/Carbon nanofibers as enhanced free-standing anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 737, 330-336.	2.8	35
83	Interface-induced controllable synthesis of Cu ₂ O nanocubes for electroreduction CO ₂ to C ₂ H ₄ . <i>Electrochimica Acta</i> , 2019, 306, 360-365.	2.6	35
84	Advanced visible-light driven photocatalyst with enhanced charge separation fabricated by facile deposition of Ag ₃ PO ₄ nanoparticles on graphene-like h-BN nanosheets. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 135-144.	4.8	34
85	Engineering surface structure of petroleum-coke-derived carbon dots to enhance electron transfer for photooxidation. <i>Journal of Catalysis</i> , 2016, 344, 236-241.	3.1	34
86	Iron carbide encapsulated by porous carbon nitride as bifunctional electrocatalysts for oxygen reduction and evolution reactions. <i>Applied Surface Science</i> , 2018, 439, 439-446.	3.1	34
87	Pt Nanoparticles Loaded on Reduced Graphene Oxide as an Effective Catalyst for the Direct Oxidation of 5-Hydroxymethylfurfural (HMF) to Produce 2,5-Furandicarboxylic Acid (FDCA) under Mild Conditions. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1124-1129.	2.0	32
88	Dense 3D Graphene Macroforms with Nanotuned Pore Sizes for High Performance Supercapacitor Electrodes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24373-24380.	1.5	32
89	Photocatalytic C-F Bond Activation of Fluoroarenes, gem-Difluoroalkenes and Trifluoromethylarenes. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2454-2472.	1.3	32
90	High-performance aluminum-polyaniline battery based on the interaction between aluminum ion and -NH groups. <i>Science China Materials</i> , 2021, 64, 318-328.	3.5	31

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91	PVP-assisted synthesis of ultrafine transition metal oxides encapsulated in nitrogen-doped carbon nanofibers as robust and flexible anodes for sodium-ion batteries. <i>Carbon</i> , 2021, 174, 325-334.	5.4	31
92	Facile and cost-effective manipulation of hierarchical carbon nanosheets for pseudocapacitive lithium/potassium storage. <i>Carbon</i> , 2020, 165, 296-305.	5.4	29
93	Thermocatalytic hydrogenation of CO_2 into aromatics by tailor-made catalysts: Recent advancements and perspectives. <i>EcoMat</i> , 2021, 3, e12080.	6.8	29
94	Photocatalytic H_2 evolution from NADH with carbon quantum dots/Pt and 2-phenyl-4-(1-naphthyl)quinolinium ion. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 152, 63-70.	1.7	28
95	Bimetal Prussian Blue as a Continuously Variable Platform for Investigating the Composition-Activity Relationship of Phosphides-Based Electrocatalysts for Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35904-35910.	4.0	28
96	Soy flour-derived carbon dots: facile preparation, fluorescence enhancement, and sensitive Fe^{3+} detection. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	27
97	Reexamination of the Schottky Barrier Heights in Monolayer MoS_2 Field-Effect Transistors. <i>ACS Applied Nano Materials</i> , 2019, 2, 4717-4726.	2.4	27
98	Firmly combination of CoMnO_x nanocrystals supported on N-doped CNT for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2016, 306, 336-343.	6.6	26
99	SO_3H -modified petroleum coke derived porous carbon as an efficient solid acid catalyst for esterification of oleic acid. <i>Journal of Porous Materials</i> , 2016, 23, 263-271.	1.3	26
100	Functionalizing carbon nitride with heavy atom-free spin converters for enhanced O_2 generation. <i>Journal of Catalysis</i> , 2018, 361, 222-229.	3.1	26
101	$\text{Fe}/\text{Fe}_3\text{C}$ Boosts H_2O_2 Utilization for Methane Conversion Overwhelming O_2 Generation. <i>Angewandte Chemie</i> , 2021, 133, 8971-8977.	1.6	26
102	Single-Atom Fe-N ₄ sites promote the triplet-energy transfer process of g-C ₃ N ₄ for the photooxidation. <i>Journal of Catalysis</i> , 2021, 404, 89-95.	3.1	26
103	Extended lattice space of TiO_2 hollow nanocubes for improved sodium storage. <i>Chemical Engineering Journal</i> , 2019, 373, 565-571.	6.6	25
104	BODIPY-based photosensitizers with intense visible light harvesting ability and high $^1\text{O}_2$ quantum yield in aqueous solution. <i>RSC Advances</i> , 2014, 4, 51349-51352.	1.7	24
105	Microwave-assisted synthesis of Ru/mesoporous carbon composites for supercapacitors. <i>Materials Letters</i> , 2014, 115, 96-99.	1.3	24
106	Utilization of spent aluminum for p-arsanilic acid degradation and arsenic immobilization mediated by Fe(II) under aerobic condition. <i>Chemical Engineering Journal</i> , 2016, 297, 45-54.	6.6	24
107	Small graphite nanoflakes as an advanced cathode material for aluminum ion batteries. <i>Chemical Communications</i> , 2020, 56, 1593-1596.	2.2	24
108	Carbon sustained $\text{SnO}_2\text{-Bi}_2\text{O}_3$ hollow nanofibers as Janus catalyst for high-efficiency CO_2 electroreduction. <i>Chemical Engineering Journal</i> , 2021, 426, 131867.	6.6	24

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109	Reinforced atomically dispersed Fe N C catalysts derived from petroleum asphalt for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 810-819.	5.0	23
110	Highly Dispersed Mo ₂ C Anchored on N,P-Codoped Graphene as Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2018, 10, 2300-2304.	1.8	22
111	An amorphous tin-based nanohybrid for ultra-stable sodium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18920-18927.	5.2	22
112	Engineering controllable oxygen vacancy defects in iron hydroxide oxide immobilized on reduced graphene oxide for boosting visible light-driven photo-Fenton-like oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 9-20.	5.0	22
113	Efficient CO ₂ electroreduction over N-doped hieratically porous carbon derived from petroleum pitch. <i>Journal of Energy Chemistry</i> , 2021, 56, 113-120.	7.1	21
114	The preparation, load and photocatalytic performance of N-doped and CdS-coupled TiO ₂ . <i>RSC Advances</i> , 2013, 3, 9483.	1.7	20
115	Alkali Halide Boost of Carbon Nitride for Photocatalytic H ₂ Evolution in Seawater. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48526-48532.	4.0	19
116	Controllable Substitution of S Radicals on Triazine Covalent Framework to Expedite Degradation of Polysulfides. <i>Small</i> , 2020, 16, e2004631.	5.2	19
117	Precious potential regulation of carbon cathode enabling high-performance lithium-ion capacitors. <i>Carbon</i> , 2021, 180, 110-117.	5.4	19
118	Multiaspect insight into synergetic modification of carbon nitride with halide salt and water vapor. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 204-210.	10.8	18
119	Pyridinic Nitrogen-Codoped Graphene Nanoshells Boost the Catalytic Efficiency of Palladium Nanoparticles for the <i>N</i> -Alkylation Reaction. <i>ChemSusChem</i> , 2019, 12, 858-865.	3.6	18
120	Boosting the synthesis of value-added aromatics directly from syngas via a Cr ₂ O ₃ and Ga doped zeolite capsule catalyst. <i>Chemical Science</i> , 2021, 12, 7786-7792.	3.7	18
121	Template-Oriented Synthesis of Fe-N-Codoped Graphene Nanoshells Derived from Petroleum Pitch for Efficient Nitroaromatics Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 129-136.	1.8	17
122	In Situ Construction of Nickel Sulfide Nano-Heterostructures for Highly Efficient Overall Urea Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15582-15590.	3.2	17
123	Intrinsic Mechanisms of Morphological Engineering and Carbon Doping for Improved Photocatalysis of 2D/2D Carbon Nitride Van Der Waals Heterojunction. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	17
124	Petroleum pitch derived carbon as both cathode and anode materials for advanced potassium-ion hybrid capacitors. <i>Carbon</i> , 2022, 196, 727-735.	5.4	17
125	Moldable clay-like unit for synthesis of highly elastic polydimethylsiloxane sponge with nanofiller modification. <i>RSC Advances</i> , 2017, 7, 10479-10486.	1.7	16
126	Flexible electrodes with high areal capacity based on electrospun fiber mats. <i>Nanoscale</i> , 2021, 13, 18391-18409.	2.8	15

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127	Synthesis mechanism, enhanced visible-light-photocatalytic properties, and photogenerated hydroxyl radicals of PS@CdS core-shell nanohybrids. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	14
128	Physical vapor deposition (PVD): a method to fabricate modified g-C ₃ N ₄ sheets. <i>New Journal of Chemistry</i> , 2019, 43, 6683-6687.	1.4	14
129	Substrate-Assisted in Situ Confinement Pyrolysis of Zeolitic Imidazolate Frameworks to Nitrogen-Doped Hierarchical Porous Carbon Nanoframes with Superior Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42845-42855.	4.0	13
130	In Situ-Fabricated In ₂ S ₃ -Reduced Graphene Oxide Nanosheet Composites for Enhanced CO ₂ Electroreduction to Formate. <i>ACS Applied Nano Materials</i> , 2022, 5, 2335-2342.	2.4	13
131	A "Trojan horse" strategy towards robust Co-N ₄ active sites accommodated in micropore defect-rich carbon nanosheets for boosting selective hydrogenation of nitroarenes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9435-9444.	5.2	12
132	Kinetically accelerated and high-mass loaded lithium storage enabled by atomic iron embedded carbon nanofibers. <i>Nano Research</i> , 2022, 15, 6176-6183.	5.8	12
133	Hydrothermal co-doping of boron and phosphorus into porous carbons prepared from petroleum coke to improve oxidation resistance. <i>Materials Letters</i> , 2012, 82, 124-126.	1.3	11
134	Trace nitrogen-incorporation stimulates dual active sites of nickel catalysts for efficient hydrogen oxidation electrocatalysis. <i>Chemical Engineering Journal</i> , 2022, 445, 136700.	6.6	11
135	Localized Surface Plasmon Resonance Enhanced Continuous Flow Photoelectrocatalytic CO ₂ Conversion to CO. <i>Energy & Fuels</i> , 2022, 36, 7206-7212.	2.5	10
136	Properties of a three-dimensionally ordered macro-mesoporous carbon-doped TiO ₂ composite catalyst. <i>Functional Materials Letters</i> , 2014, 07, 1350068.	0.7	9
137	Controllable growth of MnO _x dual-nanocrystals on N-doped graphene as lithium-ion battery anode. <i>RSC Advances</i> , 2017, 7, 6396-6402.	1.7	9
138	Regulation of the cathode for amphi-charge storage in a redox electrolyte for high-energy lithium-ion capacitors. <i>Chemical Communications</i> , 2020, 56, 12777-12780.	2.2	9
139	Ohmic contacts of monolayer TiO ₂ field-effect transistors. <i>Journal of Materials Science</i> , 2020, 55, 11439-11450.	1.7	9
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