

Jun Yan

List of Publications by Year in descending order

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202
papers

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13068

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Asymmetric Supercapacitors Based on Ni(OH) ₂ /Graphene and Porous Graphene Electrodes with High Energy Density. <i>Advanced Functional Materials</i> , 2012, 22, 2632-2641.	7.8	1,855
2	Asymmetric Supercapacitors Based on Graphene/MnO ₂ and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. <i>Advanced Functional Materials</i> , 2011, 21, 2366-2375.	7.8	1,827
3	Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities. <i>Advanced Energy Materials</i> , 2014, 4, 1300816.	10.2	1,727
4	Flexible MXene/Graphene Films for Ultrafast Supercapacitors with Outstanding Volumetric Capacitance. <i>Advanced Functional Materials</i> , 2017, 27, 1701264.	7.8	1,354
5	Fast and reversible surface redox reaction of graphene/MnO ₂ composites as supercapacitor electrodes. <i>Carbon</i> , 2010, 48, 3825-3833.	5.4	1,272
6	A Three-Dimensional Carbon Nanotube/Graphene Sandwich and Its Application as Electrode in Supercapacitors. <i>Advanced Materials</i> , 2010, 22, 3723-3728.	11.1	1,182
7	Carbon materials for high volumetric performance supercapacitors: design, progress, challenges and opportunities. <i>Energy and Environmental Science</i> , 2016, 9, 729-762.	15.6	1,037
8	Preparation of a graphene nanosheet/polyaniline composite with high specific capacitance. <i>Carbon</i> , 2010, 48, 487-493.	5.4	999
9	Facile Synthesis of Graphene Nanosheets via Fe Reduction of Exfoliated Graphite Oxide. <i>ACS Nano</i> , 2011, 5, 191-198.	7.3	818
10	Three-dimensional flower-like and hierarchical porous carbon materials as high-rate performance electrodes for supercapacitors. <i>Carbon</i> , 2014, 67, 119-127.	5.4	585
11	An environmentally friendly and efficient route for the reduction of graphene oxide by aluminum powder. <i>Carbon</i> , 2010, 48, 1686-1689.	5.4	557
12	Preparation of graphene nanosheet/carbon nanotube/polyaniline composite as electrode material for supercapacitors. <i>Journal of Power Sources</i> , 2010, 195, 3041-3045.	4.0	540
13	Electrochemical properties of graphene nanosheet/carbon black composites as electrodes for supercapacitors. <i>Carbon</i> , 2010, 48, 1731-1737.	5.4	534
14	Rapid microwave-assisted synthesis of graphene nanosheet/Co ₃ O ₄ composite for supercapacitors. <i>Electrochimica Acta</i> , 2010, 55, 6973-6978.	2.6	462
15	Template-Assisted Low Temperature Synthesis of Functionalized Graphene for Ultrahigh Volumetric Performance Supercapacitors. <i>ACS Nano</i> , 2014, 8, 4720-4729.	7.3	413
16	High-performance supercapacitor electrodes based on highly corrugated graphene sheets. <i>Carbon</i> , 2012, 50, 2179-2188.	5.4	397
17	Carbon nanotube/MnO ₂ composites synthesized by microwave-assisted method for supercapacitors with high power and energy densities. <i>Journal of Power Sources</i> , 2009, 194, 1202-1207.	4.0	358
18	Nitrogen-Doped Carbon Networks for High Energy Density Supercapacitors Derived from Polyaniline Coated Bacterial Cellulose. <i>Advanced Functional Materials</i> , 2014, 24, 3953-3961.	7.8	336

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19	Nanographene-Constructed Carbon Nanofibers Grown on Graphene Sheets by Chemical Vapor Deposition: High-Performance Anode Materials for Lithium Ion Batteries. ACS Nano, 2011, 5, 2787-2794.	7.3	277
20	Ternary Transition Metal Sulfides Embedded in Graphene Nanosheets as Both the Anode and Cathode for High-Performance Asymmetric Supercapacitors. Chemistry of Materials, 2018, 30, 1055-1068.	3.2	268
21	Template-Directed Synthesis of Pillared Porous Carbon Nanosheet Architectures: High-Performance Electrode Materials for Supercapacitors. Advanced Energy Materials, 2012, 2, 419-424.	10.2	267
22	Creating oxygen-vacancies in MoO ₃ -nanobelts toward high volumetric energy-density asymmetric supercapacitors with long lifespan. Nano Energy, 2019, 58, 455-465.	8.2	266
23	Fabrication and electrochemical performances of hierarchical porous Ni(OH) ₂ nanoflakes anchored on graphene sheets. Journal of Materials Chemistry, 2012, 22, 11494.	6.7	261
24	Easy synthesis of porous graphene nanosheets and their use in supercapacitors. Carbon, 2012, 50, 1699-1703.	5.4	252
25	Interconnected Frameworks with a Sandwiched Porous Carbon Layer/Graphene Hybrids for Supercapacitors with High Gravimetric and Volumetric Performances. Advanced Energy Materials, 2014, 4, 1400500.	10.2	234
26	Preparation of graphene nanosheet/alumina composites by spark plasma sintering. Materials Research Bulletin, 2011, 46, 315-318.	2.7	209
27	Two-dimensional mesoporous carbon sheet-like framework material for high-rate supercapacitors. Carbon, 2013, 60, 481-487.	5.4	201
28	Biomass-derived three-dimensional honeycomb-like hierarchical structured carbon for ultrahigh energy density asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 13589-13602.	5.2	199
29	High-Capacity and Kinetically Accelerated Lithium Storage in MoO ₃ Enabled by Oxygen Vacancies and Heterostructure. Advanced Energy Materials, 2021, 11, 2101712.	10.2	184
30	Supercapacitors Based on Graphene-Supported Iron Nanosheets as Negative Electrode Materials. ACS Nano, 2013, 7, 11325-11332.	7.3	180
31	Preparation of graphene nanosheet/polymer composites using in situ reduction "extractive dispersion. Carbon, 2009, 47, 2296-2299.	5.4	178
32	MXene-derived TiO ₂ /reduced graphene oxide composite with an enhanced capacitive capacity for Li-ion and K-ion batteries. Journal of Materials Chemistry A, 2019, 7, 5363-5372.	5.2	178
33	Template synthesis of hollow carbon spheres anchored on carbon nanotubes for high rate performance supercapacitors. Carbon, 2013, 52, 209-218.	5.4	160
34	3D Porous Oxidation-Resistant MXene/Graphene Architectures Induced by In Situ Zinc Template toward High-Performance Supercapacitors. Advanced Functional Materials, 2021, 31, 2101087.	7.8	154
35	The construction of self-supported thorny leaf-like nickel-cobalt bimetal phosphides as efficient bifunctional electrocatalysts for urea electrolysis. Journal of Materials Chemistry A, 2019, 7, 9078-9085.	5.2	151
36	MnO ₂ -graphene hybrid as an alternative cathodic catalyst to platinum in microbial fuel cells. Journal of Power Sources, 2012, 216, 187-191.	4.0	147

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37	Porous graphene networks as high performance anode materials for lithium ion batteries. Carbon, 2013, 60, 558-561.	5.4	139
38	Mesoporous polyaniline film on ultra-thin graphene sheets for high performance supercapacitors. Journal of Power Sources, 2014, 247, 197-203.	4.0	135
39	A heterogeneous interface on NiS@Ni ₃ S ₂ /NiMoO ₄ heterostructures for efficient urea electrolysis. Journal of Materials Chemistry A, 2020, 8, 18055-18063.	5.2	134
40	Induction of Planar Sodium Growth on MXene (Ti ₃ C ₂ T _x)-Modified Carbon Cloth Hosts for Flexible Sodium Metal Anodes. ACS Nano, 2020, 14, 8744-8753.	7.3	125
41	Lithiophilic Three-Dimensional Porous Ti ₃ C ₂ T _x MXene Membrane as a Stable Scaffold for Safe Alkali Metal (Li or Na) Anodes. ACS Nano, 2019, 13, 14319-14328.	7.3	123
42	Facile Synthesis of Metal-Organic Framework-Derived CoSe ₂ Nanoparticles Embedded in the N-Doped Carbon Nanosheet Array and Application for Supercapacitors. ACS Applied Materials & Interfaces, 2020, 12, 9365-9375.	4.0	122
43	Nitrogen and Phosphorus Dual-Doped Multilayer Graphene as Universal Anode for Full Carbon-Based Lithium and Potassium Ion Capacitors. Nano-Micro Letters, 2019, 11, 30.	14.4	120
44	In situ grown 3D hierarchical MnCo ₂ O _{4.5} @Ni(OH) ₂ nanosheet arrays on Ni foam for efficient electrocatalytic urea oxidation. Chemical Engineering Journal, 2020, 381, 122603.	6.6	117
45	Aggregation-Resistant 3D Ti ₃ C ₂ T _x MXene with Enhanced Kinetics for Potassium Ion Hybrid Capacitors. Advanced Functional Materials, 2020, 30, 2005663.	7.8	117
46	Facile synthesis of carbon nanofibers-bridged porous carbon nanosheets for high-performance supercapacitors. Journal of Power Sources, 2016, 307, 190-198.	4.0	112
47	High-performance asymmetric supercapacitors with lithium intercalation reaction using metal oxide-based composites as electrode materials. Journal of Materials Chemistry A, 2014, 2, 16678-16686.	5.2	106
48	Porous nitrogen-doped carbon nanosheet on graphene as metal-free catalyst for oxygen reduction reaction in air-cathode microbial fuel cells. Bioelectrochemistry, 2014, 95, 23-28.	2.4	105
49	Highly Sensitive Surface-Enhanced Raman Spectroscopy (SERS) Platforms Based on Silver Nanostructures Fabricated on Polyaniline Membrane Surfaces. ACS Applied Materials & Interfaces, 2012, 4, 2752-2756.	4.0	103
50	Development of asymmetric supercapacitors with titanium carbide-reduced graphene oxide couples as electrodes. Electrochimica Acta, 2018, 259, 752-761.	2.6	103
51	A high-performance carbon derived from polyaniline for supercapacitors. Electrochemistry Communications, 2010, 12, 1279-1282.	2.3	98
52	Electrostatic self-assembly of MXene and edge-rich CoAl layered double hydroxide on molecular-scale with superhigh volumetric performances. Journal of Energy Chemistry, 2020, 46, 105-113.	7.1	97
53	Three-dimensional hybrid materials of fish scale-like polyaniline nanosheet arrays on graphene oxide and carbon nanotube for high-performance ultracapacitors. Carbon, 2013, 54, 241-248.	5.4	95
54	MXene-Derived Defect-Rich TiO ₂ @rGO as High-Rate Anodes for Full Na Ion Batteries and Capacitors. Nano-Micro Letters, 2020, 12, 128.	14.4	93

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55	Preparation and electrochemical properties of lamellar MnO ₂ for supercapacitors. <i>Materials Research Bulletin</i> , 2010, 45, 210-215.	2.7	91
56	Fe ₃ O ₄ nanospheres in situ decorated graphene as high-performance anode for asymmetric supercapacitor with impressive energy density. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 235-244.	5.0	89
57	A self-healing hydrogel electrolyte for flexible solid-state supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 401, 125456.	6.6	85
58	NiS ₂ /MoS ₂ mixed phases with abundant active edge sites induced by sulfidation and graphene introduction towards high-rate supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 406, 126713.	6.6	83
59	High-Energy-Density Aqueous Magnesium-Ion Battery Based on a Carbon-Coated FeVO ₄ Anode and a Mg-Oxide Cathode. <i>Chemistry - A European Journal</i> , 2017, 23, 17118-17126.	1.7	80
60	Porous Ni ₂ P nanoflower supported on nickel foam as an efficient three-dimensional electrode for urea electro-oxidation in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9316-9325.	3.8	80
61	Rational design of NiCo ₂ S ₄ nanowire arrays on nickel foam as highly efficient and durable electrocatalysts toward urea electrooxidation. <i>Chemical Engineering Journal</i> , 2019, 359, 1652-1658.	6.6	79
62	Hollow Co-Mo-Se nanosheet arrays derived from metal-organic framework for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2021, 490, 229532.	4.0	79
63	Anionic P-substitution toward ternary Ni-S-P nanoparticles immobilized graphene with ultrahigh rate and long cycle life for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24374-24388.	5.2	77
64	Hierarchical NiCo ₂ O ₄ nanowire array supported on Ni foam for efficient urea electrooxidation in alkaline medium. <i>Journal of Power Sources</i> , 2019, 412, 265-271.	4.0	77
65	Ultrahigh energy density battery-type asymmetric supercapacitors: NiMoO ₄ nanorod-decorated graphene and graphene/Fe ₂ O ₃ quantum dots. <i>Nano Research</i> , 2018, 11, 4744-4758.	5.8	76
66	Template-directed assembly of urchin-like Co ₃ C ₂ T _x MXene Hybrid Hydrogels for Enhanced Supercapacitive Performances with Ultralong Cycle Life. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2602-2610.	3.0	75
67	High-throughput fabrication of porous carbon by chemical foaming strategy for high performance supercapacitor. <i>Chemical Engineering Journal</i> , 2018, 352, 459-468.	6.6	74
68	3D Macroporous Oxidation-Resistant Ti ₃ C ₂ T _x MXene Hybrid Hydrogels for Enhanced Supercapacitive Performances with Ultralong Cycle Life. <i>Advanced Functional Materials</i> , 2022, 32, 2109479.	7.8	74
69	Al and Co co-doped Ni(OH) ₂ /graphene hybrid materials with high electrochemical performances for supercapacitors. <i>Electrochimica Acta</i> , 2014, 137, 352-358.	2.6	73
70	2D Titanium Carbide/Reduced Graphene Oxide Heterostructures for Supercapacitor Applications. <i>Batteries and Supercaps</i> , 2018, 1, 33-38.	2.4	72
71	Self-Supported FeNi-P Nanosheets with Thin Amorphous Layers for Efficient Electrocatalytic Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9640-9648.	3.2	71
72	Versatile Interfacial Self-Assembly of Ti ₃ C ₂ T _x MXene Based Composites with Enhanced Kinetics for Superior Lithium and Sodium Storage. <i>ACS Nano</i> , 2021, 15, 12140-12150.	7.3	70

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73	Binder-Free Hierarchical Urchin-like Manganese-Cobalt Selenide with High Electrochemical Energy Storage Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 3595-3604.	2.5	69
74	A highly efficient and durable water splitting system: platinum sub-nanocluster functionalized nickel-iron layered double hydroxide as the cathode and hierarchical nickel-iron selenide as the anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2831-2837.	5.2	65
75	Transforming Carnation-Shaped MOF-Ni to Ni-Fe Prussian Blue Analogue Derived Efficient Bifunctional Electrocatalyst for Urea Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16037-16045.	3.2	65
76	Nitrogen-doped sandwich-like porous carbon nanosheets for high volumetric performance supercapacitors. <i>Electrochimica Acta</i> , 2014, 146, 548-555.	2.6	64
77	The synergy of a three filler combination in the conductivity of epoxy composites. <i>Materials Letters</i> , 2010, 64, 2376-2379.	1.3	63
78	Structurally stable ultrathin 1T-2H MoS ₂ heterostructures coaxially aligned on carbon nanofibers toward superhigh-energy-density supercapacitor and enhanced electrocatalysis. <i>Chemical Engineering Journal</i> , 2020, 399, 125672.	6.6	63
79	Simultaneously boosting hydrogen production and ethanol upgrading using a highly-efficient hollow needle-like copper cobalt sulfide as a bifunctional electrocatalyst. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 325-333.	5.0	63
80	A flexible and high voltage symmetric supercapacitor based on hybrid configuration of cobalt hexacyanoferrate/reduced graphene oxide hydrogels. <i>Chemical Engineering Journal</i> , 2018, 335, 321-329.	6.6	61
81	Coralloidal carbon-encapsulated CoP nanoparticles generated on biomass carbon as a high-rate and stable electrode material for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 579-585.	5.0	60
82	The FeVO ₄ ·0.9H ₂ O/Graphene composite as anode in aqueous magnesium ion battery. <i>Electrochimica Acta</i> , 2017, 256, 357-364.	2.6	58
83	NiFe ₂ O ₄ nanocubes anchored on reduced graphene oxide cryogel to achieve a 1.8 V flexible solid-state symmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 360, 171-179.	6.6	58
84	Two-Dimensional Titanium Carbide MXene as a Capacitor-Type Electrode for Rechargeable Aqueous Li-ion and Na-ion Capacitor Batteries. <i>ChemElectroChem</i> , 2017, 4, 3018-3025.	1.7	56
85	Growing NiS ₂ nanosheets on porous carbon microtubes for hybrid sodium-ion capacitors. <i>Journal of Power Sources</i> , 2020, 451, 227737.	4.0	55
86	One-step synthesis of biomass-derived porous carbon foam for high performance supercapacitors. <i>Materials Letters</i> , 2013, 101, 29-32.	1.3	53
87	Rational design of NiCo ₂ S ₄ nanoparticles @ N-doped CNT for hybrid supercapacitor. <i>Applied Surface Science</i> , 2018, 447, 165-172.	3.1	53
88	Facile and rapid synthesis of highly crumpled graphene sheets as high-performance electrodes for supercapacitors. <i>RSC Advances</i> , 2013, 3, 2566.	1.7	50
89	High-performance aqueous asymmetric supercapacitor based on spinel LiMn ₂ O ₄ and nitrogen-doped graphene/porous carbon composite. <i>Electrochimica Acta</i> , 2015, 180, 287-294.	2.6	50
90	Hierarchical copper cobalt sulfides nanowire arrays for high-performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2019, 487, 198-205.	3.1	50

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91	Hierarchical Edge-Rich Nickel Phosphide Nanosheet Arrays as Efficient Electrocatalysts toward Hydrogen Evolution in Both Alkaline and Acidic Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7804-7811.	3.2	48
92	Preparation and electrochemical characteristics of manganese dioxide/graphite nanoplatelet composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 151, 174-178.	1.7	47
93	Three-dimensional biomass derived hard carbon with reconstructed surface as a free-standing anode for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 203-210.	5.0	47
94	Oil sorption and recovery by using vertically aligned carbon nanotubes. <i>Carbon</i> , 2010, 48, 4197-4200.	5.4	44
95	Free-Standing P-Doped NiSe ₂ /MoSe ₂ Catalyst for Efficient Hydrogen Evolution in Acidic and Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 279-287.	3.2	44
96	Polyaniline-modified porous carbon tube bundles composite for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2018, 292, 458-467.	2.6	43
97	Microwave-assisted synthesis of carbon dots modified graphene for full carbon-based potassium ion capacitors. <i>Carbon</i> , 2021, 178, 1-9.	5.4	42
98	In situ growth of Ni ₈₅ Se on graphene as a robust electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 10486-10493.	3.8	41
99	Porous and free-standing Ti ₃ C ₂ T _x -RGO film with ultrahigh gravimetric capacitance for supercapacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 1004-1008.	4.8	41
100	Densely stacked bubble-pillared graphene blocks for high volumetric performance supercapacitors. <i>Energy Storage Materials</i> , 2015, 1, 42-50.	9.5	40
101	Freestanding 3D Polypyrrole@reduced graphene oxide hydrogels as binder-free electrode materials for flexible asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 291-299.	5.0	39
102	Interconnected porous and nitrogen-doped carbon network for supercapacitors with high rate capability and energy density. <i>Electrochimica Acta</i> , 2013, 114, 165-172.	2.6	38
103	Organic 3D interconnected graphene aerogel as cathode materials for high-performance aqueous zinc ion battery. <i>Journal of Energy Chemistry</i> , 2020, 45, 52-58.	7.1	37
104	A Novel Anode for Direct Borohydride-Hydrogen Peroxide Fuel Cell: Au Nanoparticles Decorated 3D Self-Supported Reduced Graphene Oxide Foam. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11129-11137.	3.2	36
105	Efficient bifunctional catalysts synthesized from three-dimensional Ni/Fe bimetallic organic frameworks for overall urea electrolysis. <i>Dalton Transactions</i> , 2020, 49, 5646-5652.	1.6	36
106	A novel calendula-like MnNb ₂ O ₆ anchored on graphene sheet as high-performance intercalation pseudocapacitive anode for lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2855-2863.	5.2	35
107	Vertically oriented Ni-doped MoS ₂ nanosheets supported on hollow carbon microtubes for enhanced hydrogen evolution reaction and water splitting. <i>Composites Part B: Engineering</i> , 2021, 224, 109229.	5.9	35
108	Characteristics and electrochemical performances of supercapacitors using double-walled carbon nanotube/γ-MnO ₂ hybrid material electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2011, 659, 191-195.	1.9	34

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109	A general in-situ etching and synchronous heteroatom doping strategy to boost the capacitive performance of commercial carbon fiber cloth. <i>Chemical Engineering Journal</i> , 2018, 335, 638-646.	6.6	34
110	A new catalyst for urea oxidation: NiCo ₂ S ₄ nanowires modified 3D carbon sponge. <i>Journal of Energy Chemistry</i> , 2020, 50, 195-205.	7.1	34
111	Hollow bimetallic selenide derived from a hierarchical MOF-based Prussian blue analogue for urea electrolysis. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2788-2797.	3.0	34
112	Coupling of Ru nanoclusters decorated mixed-phase (1T and 2H) MoSe ₂ on biomass-derived carbon substrate for advanced hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 594-603.	5.0	34
113	Multi-walled carbon nanotubes as catalyst promoter for dimethyl ether synthesis from CO ₂ hydrogenation. <i>Applied Surface Science</i> , 2013, 285, 945-951.	3.1	33
114	Novel self-supported reduced graphene oxide foam-based CoAu electrode: An original anode catalyst for electrooxidation of borohydride in borohydride fuel cell. <i>Carbon</i> , 2019, 152, 77-88.	5.4	33
115	Facile microwave-assisted synthesis of cobalt diselenide/reduced graphene oxide composite for high-performance supercapacitors. <i>Applied Surface Science</i> , 2021, 543, 148811.	3.1	33
116	In situ growth of ZIF67 at the edge of nanosheet transformed into yolk-shell CoSe ₂ for high efficiency urea electrolysis. <i>Journal of Power Sources</i> , 2021, 491, 229592.	4.0	33
117	Reduced graphene oxide foam supported CoNi nanosheets as an efficient anode catalyst for direct borohydride hydrogen peroxide fuel cell. <i>Applied Surface Science</i> , 2019, 491, 659-669.	3.1	31
118	Ruthenium-nickel-cobalt alloy nanoparticles embedded in hollow carbon microtubes as a bifunctional mosaic catalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 710-721.	5.0	31
119	Stable and dendrite-free Zn anode with artificial desolvation interface layer toward high-performance Zn-ion capacitor. <i>Journal of Energy Chemistry</i> , 2022, 72, 143-148.	7.1	31
120	Aqueous Calcium-ion Battery Based on a Mesoporous Organic Anode and a Manganite Cathode with Long Cycling Performance. <i>ChemSusChem</i> , 2020, 13, 3911-3918.	3.6	30
121	Preparation of multifunctional microchannel-network graphene foams. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16786-16792.	5.2	29
122	Effect of graphene on the performance of nickel foam-based CoNi nanosheet anode catalyzed direct urea-hydrogen peroxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 10569-10579.	3.8	29
123	A novel electrode of ternary CuNiPd nanoneedles decorated Ni foam and its catalytic activity toward NaBH ₄ electrooxidation. <i>Electrochimica Acta</i> , 2019, 299, 395-404.	2.6	28
124	Porous Î ² -Mo ₂ C nanoparticle clusters supported on walnut shell powders derived carbon matrix for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 104-111.	5.0	28
125	Oxygen vacancies-enriched sub-7 nm cross-linked Bi _{2.88} Fe ₅ O ₁₂ - nanoparticles anchored MXene for electrochemical energy storage with high volumetric performances. <i>Nano Energy</i> , 2020, 78, 105360.	8.2	27
126	Design and construction of a three-dimensional electrode with biomass-derived carbon current collector and water-soluble binder for high-sulfur-loading lithium-sulfur batteries. , 2020, 2, 635-645.		27

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127	Simultaneous hydrogen evolution and ethanol oxidation in alkaline medium via a self-supported bifunctional electrocatalyst of Ni-Fe phosphide/Ni foam. <i>Applied Surface Science</i> , 2021, 561, 150080.	3.1	27
128	Dendrite-free and anti-corrosion Zn metal anode enabled by an artificial layer for high-performance Zn ion capacitor. <i>Chinese Chemical Letters</i> , 2022, 33, 3936-3940.	4.8	27
129	Construction of reduced graphene oxide coupled with CoSe ₂ -MoSe ₂ heterostructure for enhanced electrocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 922-930.	5.0	26
130	Preparation of exfoliated graphite containing manganese oxides with high electrochemical capacitance by microwave irradiation. <i>Carbon</i> , 2009, 47, 3371-3374.	5.4	25
131	Arc-discharge production of high-quality fluorine-modified graphene as anode for Li-ion battery. <i>Chemical Engineering Journal</i> , 2020, 392, 123668.	6.6	25
132	Preparation of organic poly material as anode in aqueous aluminum-ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2020, 861, 113967.	1.9	25
133	N-rich biomass carbon derived from hemp as a full carbon-based potassium ion hybrid capacitor anode. <i>Applied Surface Science</i> , 2021, 553, 149569.	3.1	25
134	Preparation and characteristics of nanostructured MnO ₂ /MWCNTs using microwave irradiation method. <i>Materials Letters</i> , 2008, 62, 3345-3348.	1.3	24
135	Compressible aligned carbon nanotube/MnO ₂ as high-rate electrode materials for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2012, 684, 32-37.	1.9	24
136	Nickel sulfide/graphene/carbon nanotube composites as electrode material for the supercapacitor application in the sea flashing signal system. <i>Journal of Marine Science and Application</i> , 2014, 13, 462-466.	0.7	24
137	Influence of potential range selection on the SnS@C/rGO anodes in potassium ion battery. <i>Applied Surface Science</i> , 2021, 536, 147832.	3.1	24
138	Facile fabrication of F-doped biomass carbon as high-performance anode material for potassium-ion batteries. <i>Electrochimica Acta</i> , 2021, 389, 138799.	2.6	24
139	Ultrathin-walled Bi ₂ S ₃ Nanoroll/MXene Composite toward High Capacity and Fast Lithium Storage. <i>Small</i> , 2022, 18, e2106673.	5.2	24
140	Lithiophilic Cu ₂ O matrix on a Cu Collector to Stabilize Lithium Deposition for Lithium Metal Batteries. <i>Energy and Environmental Materials</i> , 2022, 5, 1270-1277.	7.3	23
141	Cable-like polyimide@carbon nanotubes composite as a capable anode for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2022, 446, 137208.	6.6	23
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