

Kui Cheng

List of Publications by Year in descending order

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189
papers

9,148
citations

28190

55
h-index

56606

83
g-index

190
all docs

190
docs citations

190
times ranked

9119
citing authors

#	ARTICLE	IF	CITATIONS
1	Ternary Transition Metal Sulfides Embedded in Graphene Nanosheets as Both the Anode and Cathode for High-Performance Asymmetric Supercapacitors. <i>Chemistry of Materials</i> , 2018, 30, 1055-1068.	3.2	268
2	Fabrication and characterization of hydrophilic corn stalk biochar-supported nanoscale zero-valent iron composites for efficient metal removal. <i>Bioresource Technology</i> , 2018, 265, 490-497.	4.8	267
3	Creating oxygen-vacancies in MoO ₃ -nanobelts toward high volumetric energy-density asymmetric supercapacitors with long lifespan. <i>Nano Energy</i> , 2019, 58, 455-465.	8.2	266
4	Assembling biochar with various layered double hydroxides for enhancement of phosphorus recovery. <i>Journal of Hazardous Materials</i> , 2019, 365, 665-673.	6.5	216
5	MXene-derived TiO ₂ /reduced graphene oxide composite with an enhanced capacitive capacity for Li-ion and K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5363-5372.	5.2	178
6	Molten salt synthesis of nitrogen doped porous carbon: a new preparation methodology for high-volumetric capacitance electrode materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9832-9843.	5.2	163
7	Corn straw-derived biochar impregnated with Fe-FeOOH nanorods for highly effective copper removal. <i>Chemical Engineering Journal</i> , 2018, 348, 191-201.	6.6	160
8	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23085-23093.	5.2	158
9	Electrochemical impedance analysis of urea electro-oxidation mechanism on nickel catalyst in alkaline medium. <i>Electrochimica Acta</i> , 2016, 210, 474-482.	2.6	155
10	The construction of self-supported thorny leaf-like nickel-cobalt bimetal phosphides as efficient bifunctional electrocatalysts for urea electrolysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9078-9085.	5.2	151
11	Preparation of nickel nanowire arrays electrode for urea electro-oxidation in alkaline medium. <i>Journal of Power Sources</i> , 2015, 278, 562-568.	4.0	139
12	A hydrothermal process to turn waste biomass into artificial fulvic and humic acids for soil remediation. <i>Science of the Total Environment</i> , 2019, 686, 1140-1151.	3.9	138
13	Electrodeposition of nickel sulfide on graphene-covered make-up cotton as a flexible electrode material for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015, 274, 943-950.	4.0	133
14	Lithiophilic Three-Dimensional Porous Ti ₃ C ₂ T _x -rGO Membrane as a Stable Scaffold for Safe Alkali Metal (Li or Na) Anodes. <i>ACS Nano</i> , 2019, 13, 14319-14328.	7.3	123
15	Facile Synthesis of Metal-Organic Framework-Derived CoSe ₂ Nanoparticles Embedded in the N-Doped Carbon Nanosheet Array and Application for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9365-9375.	4.0	122
16	Nitrogen and Phosphorus Dual-Doped Multilayer Graphene as Universal Anode for Full Carbon-Based Lithium and Potassium Ion Capacitors. <i>Nano-Micro Letters</i> , 2019, 11, 30.	14.4	120
17	Highly porous nickel@carbon sponge as a novel type of three-dimensional anode with low cost for high catalytic performance of urea electro-oxidation in alkaline medium. <i>Journal of Power Sources</i> , 2015, 283, 408-415.	4.0	117
18	In situ grown 3D hierarchical MnCo ₂ O _{4.5} @Ni(OH) ₂ nanosheet arrays on Ni foam for efficient electrocatalytic urea oxidation. <i>Chemical Engineering Journal</i> , 2020, 381, 122603.	6.6	117

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19	From biomass with irregular structures to 1D carbon nanobelts: a stripping and cutting strategy to fabricate high performance supercapacitor materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14551-14561.	5.2	114
20	Preparation of nickel-cobalt nanowire arrays anode electro-catalyst and its application in direct urea/hydrogen peroxide fuel cell. <i>Electrochimica Acta</i> , 2016, 199, 290-296.	2.6	112
21	Enhancement of direct urea-hydrogen peroxide fuel cell performance by three-dimensional porous nickel-cobalt anode. <i>Journal of Power Sources</i> , 2016, 307, 697-704.	4.0	102
22	Electrostatic self-assembly of MXene and edge-rich CoAl layered double hydroxide on molecular-scale with superhigh volumetric performances. <i>Journal of Energy Chemistry</i> , 2020, 46, 105-113.	7.1	97
23	MXene-Derived Defect-Rich TiO ₂ @rGO as High-Rate Anodes for Full Na Ion Batteries and Capacitors. <i>Nano-Micro Letters</i> , 2020, 12, 128.	14.4	93
24	One-step synthesis of copper compounds on copper foil and their supercapacitive performance. <i>RSC Advances</i> , 2015, 5, 36656-36664.	1.7	91
25	Efficient phosphorus recycling and heavy metal removal from wastewater sludge by a novel hydrothermal humification-technique. <i>Chemical Engineering Journal</i> , 2020, 394, 124832.	6.6	90
26	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
27	Facile synthesis of porous (Co, Mn) ₃ O ₄ nanowires free-standing on a Ni foam and their catalytic performance for H ₂ O ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1669-1676.	5.2	86
28	Facile preparation of three-dimensional Ni(OH) ₂ /Ni foam anode with low cost and its application in a direct urea fuel cell. <i>New Journal of Chemistry</i> , 2016, 40, 8673-8680.	1.4	85
29	Anchoring CuO nanoparticles on nitrogen-doped reduced graphene oxide nanosheets as electrode material for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2014, 727, 154-162.	1.9	80
30	High Energy Density Aqueous Magnesium Ion Battery Based on a Carbon Coated FeVO ₄ Anode and a MgOMS Cathode. <i>Chemistry - A European Journal</i> , 2017, 23, 17118-17126.	1.7	80
31	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
32	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
33	Anionic P-substitution toward ternary NiS ₂ 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
34	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
35	Porous biochar-nanoscale zero-valent iron composites: Synthesis, characterization and application for lead ion removal. <i>Science of the Total Environment</i> , 2020, 746, 141037.	3.9	77
36	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

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37	Preparation of Co ₃ O ₄ nanowires grown on nickel foam with superior electrochemical capacitance. <i>Electrochimica Acta</i> , 2012, 75, 273-278.	2.6	75
38	Preparation of Mg _{1.1} Mn ₆ O ₁₂ ·4.5H ₂ O with nanobelt structure and its application in aqueous magnesium-ion battery. <i>Journal of Power Sources</i> , 2017, 338, 136-144.	4.0	75
39	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
40	Shape-controlled growth of SrTiO ₃ polyhedral submicro/nanocrystals. <i>Nano Research</i> , 2014, 7, 1311-1318.	5.8	73
41	Facile synthesis of cobalt manganese oxides nanowires on nickel foam with superior electrochemical performance. <i>Journal of Power Sources</i> , 2014, 268, 204-211.	4.0	73
42	Facile electrodepositing processed of RuO ₂ -graphene nanosheets-CNT composites as a binder-free electrode for electrochemical supercapacitors. <i>Electrochimica Acta</i> , 2017, 246, 433-442.	2.6	72
43	Preparation of porous cadmium sulphide on nickel foam: a novel electrode material with excellent supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4920-4928.	5.2	71
44	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
45	Sustainable advances on phosphorus utilization in soil via addition of biochar and humic substances. <i>Science of the Total Environment</i> , 2021, 768, 145106.	3.9	70
46	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
47	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
48	Direct peroxide-peroxide fuel cell Part 1: The anode and cathode catalyst of carbon fiber cloth supported dendritic Pd. <i>Journal of Power Sources</i> , 2012, 217, 562-568.	4.0	64
49	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
50	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
51	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
52	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
53	Ultras-small-sized SnS nanosheets vertically aligned on carbon microtubes for sodium-ion capacitors with high energy density. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4047-4054.	5.2	57
54	Three-dimensional porous Ni film electrodeposited on Ni foam: High performance and low-cost catalytic electrode for H ₂ O ₂ electrooxidation in KOH solution. <i>Electrochimica Acta</i> , 2013, 107, 194-199.	2.6	56

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55	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
56	A novel material NiOOH directly grown on in-situ etched Cu(OH) ₂ nanowire with high performance of electrochemical energy storage. <i>Electrochimica Acta</i> , 2017, 232, 445-455.	2.6	55
57	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
58	Octahedral magnesium manganese oxide molecular sieves as the cathode material of aqueous rechargeable magnesium-ion battery. <i>Electrochimica Acta</i> , 2017, 229, 371-379.	2.6	53
59	Uniformly grown PtCo-modified Co ₃ O ₄ nanosheets as a highly efficient catalyst for sodium borohydride electrooxidation. <i>Nano Research</i> , 2016, 9, 3322-3333.	5.8	51
60	Hierarchical copper cobalt sulfides nanowire arrays for high-performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2019, 487, 198-205.	3.1	50
61	Au-Pd nanoparticles supported on carbon fiber cloth as the electrocatalyst for H ₂ O ₂ electroreduction in acid medium. <i>Journal of Power Sources</i> , 2013, 233, 252-258.	4.0	49
62	Direct peroxide-peroxide fuel cell Part 2: Effects of conditions on the performance. <i>Journal of Power Sources</i> , 2012, 217, 569-573.	4.0	48
63	Surface hydroxyl groups direct cellular response on amorphous and anatase TiO ₂ nanodots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 68-74.	2.5	48
64	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
65	Preparation of binder-free CuO/Cu ₂ O/Cu composites: a novel electrode material for supercapacitor applications. <i>RSC Advances</i> , 2016, 6, 28270-28278.	1.7	47
66	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
67	Nickel and cobalt electrodeposited on carbon fiber cloth as the anode of direct hydrogen peroxide fuel cell. <i>Journal of Power Sources</i> , 2014, 245, 89-94.	4.0	46
68	Preparation of amorphous calcium phosphate in the presence of poly(ethylene glycol). <i>Journal of Materials Science Letters</i> , 2003, 22, 1015-1016.	0.5	44
69	A novel asymmetric supercapacitor with buds-like Co(OH) ₂ used as cathode materials and activated carbon as anode materials. <i>Journal of Electroanalytical Chemistry</i> , 2015, 741, 93-99.	1.9	44
70	Dendritic palladium decorated with gold by potential pulse electrodeposition: Enhanced electrocatalytic activity for H ₂ O ₂ electroreduction and electrooxidation. <i>Electrochimica Acta</i> , 2013, 99, 54-61.	2.6	43
71	Three-dimensional carbon- and binder-free nickel nanowire arrays as a high-performance and low-cost anode for direct hydrogen peroxide fuel cell. <i>Journal of Power Sources</i> , 2015, 300, 147-156.	4.0	43
72	Polyaniline-modified porous carbon tube bundles composite for high-performance asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2018, 292, 458-467.	2.6	43

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73	One-step fabrication of artificial humic acid-functionalized colloid-like magnetic biochar for rapid heavy metal removal. <i>Bioresource Technology</i> , 2021, 328, 124825.	4.8	43
74	Synthesis of honeycomb-like NiS ₂ /NiO nano-multiple materials for high performance supercapacitors. <i>Electrochimica Acta</i> , 2015, 173, 209-214.	2.6	42
75	Facile dip coating processed 3D MnO ₂ -graphene nanosheets/MWNT-Ni foam composites for electrochemical supercapacitors. <i>Electrochimica Acta</i> , 2017, 226, 29-39.	2.6	41
76	In situ growth of NiO@85Se on graphene as a robust electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 10486-10493.	3.8	41
77	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
78	Pd doped three-dimensional porous Ni film supported on Ni foam and its high performance toward NaBH ₄ electrooxidation. <i>Journal of Power Sources</i> , 2013, 242, 141-147.	4.0	40
79	Enhancement of electrocatalytic performance of hydrogen storage alloys by multi-walled carbon nanotubes for sodium borohydride oxidation. <i>Journal of Power Sources</i> , 2014, 245, 482-486.	4.0	40
80	In-situ growth of cobalt oxide nanoflakes from cobalt nanosheet on nickel foam for battery-type supercapacitors with high specific capacity. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 103-108.	1.9	40
81	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
82	Synthesis of Hierarchically Porous Sandwich-Like Carbon Materials for High-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2016, 22, 16863-16871.	1.7	38
83	A Facile Synthesis of ZnCo ₂ O ₄ Nanocluster Particles and the Performance as Anode Materials for Lithium Ion Batteries. <i>Nano-Micro Letters</i> , 2017, 9, 20.	14.4	38
84	Three-dimensional functionalized graphene networks modified Ni foam based gold electrode for sodium borohydride electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 11593-11598.	3.8	36
85	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
86	Electrodeposition of Pd nanoparticles on C@TiO ₂ nanoarrays: 3D electrode for the direct oxidation of NaBH ₄ . <i>Journal of Materials Chemistry</i> , 2012, 22, 850-855.	6.7	35
87	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
88	Analog synthesis of artificial humic substances for efficient removal of mercury. <i>Chemosphere</i> , 2020, 250, 126606.	4.2	35
89	Highly sensitive hydrogen peroxide biosensors based on TiO ₂ nanodots/ITO electrodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 9019.	6.7	34
90	Preparation of Au nanodendrites supported on carbon fiber cloth and its catalytic performance to H ₂ O ₂ electroreduction and electrooxidation. <i>RSC Advances</i> , 2013, 3, 5483.	1.7	34

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91	Nickel nanowire arrays electrode as an efficient catalyst for urea peroxide electro-oxidation in alkaline media. <i>Electrochimica Acta</i> , 2016, 190, 150-158.	2.6	34
92	Freestanding MnO ₂ nanoflakes on carbon nanotube covered nickel foam as a 3D binder-free supercapacitor electrode with high performance. <i>Journal of Electroanalytical Chemistry</i> , 2017, 786, 35-42.	1.9	34
93	K _{2.25} Ni _{0.55} Co _{0.37} Fe(CN) ₆ nanoparticle connected by cross-linked carbon nanotubes conductive skeletons for high-performance energy storage. <i>Chemical Engineering Journal</i> , 2017, 328, 834-843.	6.6	34
94	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
95	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
96	Pd doped Co ₃ O ₄ nanowire array as the H ₂ O ₂ electroreduction catalyst. <i>Journal of Power Sources</i> , 2013, 240, 442-447.	4.0	33
97	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
98	Platinum-modified cobalt nanosheets supported on three-dimensional carbon sponge as a high-performance catalyst for hydrogen peroxide electroreduction. <i>Electrochimica Acta</i> , 2015, 178, 270-279.	2.6	32
99	Facile fabrication of gold coated nickel nanoarrays and its excellent catalytic performance towards sodium borohydride electro-oxidation. <i>Applied Surface Science</i> , 2017, 414, 353-360.	3.1	32
100	MnO ₂ nanosheets decorated porous active carbon derived from wheat bran for high-performance asymmetric supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 850, 113412.	1.9	32
101	Roles of humic substances redox activity on environmental remediation. <i>Journal of Hazardous Materials</i> , 2022, 435, 129070.	6.5	32
102	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
103	High electrocatalytic activity of cobalt@multiwalled carbon nanotubes@cosmetic cotton nanostructures for sodium borohydride electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9651-9657.	3.8	30
104	Facile synthesis of morphology-controlled Co ₃ O ₄ nanostructures through solvothermal method with enhanced catalytic activity for H ₂ O ₂ electroreduction. <i>Journal of Power Sources</i> , 2014, 253, 214-223.	4.0	29
105	A novel three-dimensional manganese dioxide electrode for high performance supercapacitors. <i>Journal of Power Sources</i> , 2016, 308, 141-148.	4.0	29
106	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
107	Cobalt nano-sheet supported on graphite modified paper as a binder free electrode for peroxide electrooxidation. <i>Electrochimica Acta</i> , 2014, 139, 250-255.	2.6	28
108	Pd nanoparticles support on rGO-C@TiC coaxial nanowires as a novel 3D electrode for NaBH ₄ electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2943-2951.	3.8	28

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109	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
110	Porous γ -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
111	Performance of lead ion removal by the three-dimensional carbon foam supported nanoscale zero-valent iron composite. <i>Journal of Cleaner Production</i> , 2021, 294, 125350.	4.6	28
112	Preparation of porous palladium nanowire arrays and their catalytic performance for hydrogen peroxide electroreduction in acid medium. <i>Journal of Power Sources</i> , 2016, 303, 278-286.	4.0	27
113	Highly efficient palladium nanoparticles decorated reduced graphene oxide sheets supported on nickel foam for hydrogen peroxide electroreduction. <i>Applied Surface Science</i> , 2017, 426, 1046-1054.	3.1	27
114	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
115	NiCo ₂ O ₄ nanostructures with various morphologies as the high-performance electrocatalysts for H ₂ O ₂ electroreduction and electrooxidation. <i>Journal of Electroanalytical Chemistry</i> , 2014, 729, 103-108.	1.9	26
116	Flower-like Co nano-particles deposited on Ni foam substrate as efficient noble metal-free catalyst for hydrazine oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2015, 756, 186-192.	1.9	26
117	Preparation of M ₁ /3Ni ₁ /3Mn ₂ /3O ₂ (M=Mg or Zn) and its performance as the cathode material of aqueous divalent cations battery. <i>Electrochimica Acta</i> , 2015, 182, 971-978.	2.6	25
118	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
119	High performance of Au nanothorns supported on Ni foam substrate as the catalyst for NaBH ₄ electrooxidation. <i>Electrochimica Acta</i> , 2014, 115, 311-316.	2.6	24
120	Pd nanofilm supported on C@TiO ₂ nanocone core/shell nanoarrays: A facile preparation of high performance electrocatalyst for H ₂ O ₂ electroreduction in acid medium. <i>Electrochimica Acta</i> , 2013, 105, 115-120.	2.6	23
121	Co@MWNTs-Plastic: A novel electrode for NaBH ₄ oxidation. <i>Electrochimica Acta</i> , 2015, 156, 102-107.	2.6	23
122	High electrochemical energy storage performance of controllable synthesis of nanorod Cu _{1.92} S accompanying nanoribbon CuS directly grown on copper foam. <i>Electrochimica Acta</i> , 2016, 214, 276-285.	2.6	23
123	Controllable one-pot synthesis of emerging γ -Cu ₂ Se nanowire freely standing on nickel foam for high electrochemical energy storage performance. <i>Applied Surface Science</i> , 2019, 463, 82-90.	3.1	22
124	Self N-Doped Porous Interconnected Carbon Nanosheets Material for Supercapacitors. <i>Acta Chimica Sinica</i> , 2018, 76, 107.	0.5	22
125	Polyaniline coated 3D crosslinked carbon nanosheets for high-energy-density supercapacitors. <i>Applied Surface Science</i> , 2019, 493, 506-513.	3.1	21
126	Utilizing human hair for solid-state flexible fiber-based asymmetric supercapacitors. <i>Applied Surface Science</i> , 2020, 508, 145260.	3.1	21

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127	Janus-faced film with dual function of conductivity and pseudo-capacitance for flexible supercapacitors with ultrahigh energy density. <i>Chemical Engineering Journal</i> , 2020, 388, 124197.	6.6	21
128	Incorporation of chitosan nanospheres into thin mineralized collagen coatings for improving the antibacterial effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 536-541.	2.5	20
129	Preparation of binder-free porous ultrathin Ni(OH) ₂ nanoleafs using ZnO as pore forming agent displaying both high mass loading and excellent electrochemical energy storage performance. <i>Electrochimica Acta</i> , 2016, 216, 499-509.	2.6	20
130	Electrocatalytic properties of carbon fiber cloth-supported flower-like Au nanostructures towards ethanol electrooxidation. <i>Electrochimica Acta</i> , 2013, 114, 478-483.	2.6	19
131	The optimal design of Co catalyst morphology on a three-dimensional carbon sponge with low cost, inducing better sodium borohydride electrooxidation activity. <i>RSC Advances</i> , 2016, 6, 41608-41617.	1.7	19
132	Facile synthesis of MnO porous sphere with N-doped carbon coated layer for high performance lithium-ion capacitors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 852, 113515.	1.9	19
133	Iron-doped NiSe ₂ in-situ grown on graphene as an efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2020, 866, 114134.	1.9	19
134	Bio-derived hierarchically porous heteroatoms doped carbon as anode for high performance potassium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114272.	1.9	19
135	Synthesis and investigation of a high-activity catalyst: Au nanoparticles modified metallic Ti microrods for NaBH ₄ electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 3688-3696.	3.8	18
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