

CITATION REPORT

List of articles citing

High energy density asymmetric supercapacitor based on NiOOH/Ni₃S₂/3D graphene and Fe₃O₄/graphene composite electrodes

DOI: 10.1038/srep07274
Scientific Reports, 2014, 4, 7274.

Source: <https://exaly.com/paper-pdf/61631697/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
163	Carbon-Stabilized High-Capacity Ferroferric Oxide Nanorod Array for Flexible Solid-State Alkaline Battery Supercapacitor Hybrid Device with High Environmental Suitability. 2015 , 25, 5384-5394		396
162	All Metal Nitrides Solid-State Asymmetric Supercapacitors. 2015 , 27, 4566-71		313
161	Metallic CoS Nanowire electrodes for high cycling performance supercapacitors. <i>Nanotechnology</i> , 2015 , 26, 494001	3.4	45
160	Template-grown graphene/porous Fe ₂ O ₃ nanocomposite: A high-performance anode material for pseudocapacitors. 2015 , 15, 719-728		95
159	Facile synthesis of graphene-CeO ₂ nanocomposites with enhanced electrochemical properties for supercapacitors. <i>Dalton Transactions</i> , 2015 , 44, 9901-8	4.3	71
158	Starfish-shaped Co ₃ O ₄ /ZnFe ₂ O ₄ Hollow Nanocomposite: Synthesis, Supercapacity, and Magnetic Properties. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9972-81	9.5	90
157	Facile synthesis of Ni _{0.85} Se on Ni foam for high-performance asymmetric capacitors. <i>RSC Advances</i> , 2015 , 5, 81474-81481	3.7	39
156	Facile synthesis of manganese carbonate quantum dots/Ni(HCO ₃) ₂ /MnCO ₃ composites as advanced cathode materials for high energy density asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22102-22117	13	111
155	Graphene oxide-based Fe ₃ O ₄ nanoparticles as a novel scaffold for the immobilization of porcine pancreatic lipase. <i>RSC Advances</i> , 2015 , 5, 103943-103955	3.7	34
154	Synthesis of MnS microfibers for high performance flexible supercapacitors. 2016 , 108, 510-517		83
153	Graphene-Based Nanocomposites for Energy Storage. 2016 , 6, 1502159		233
152	Direct Growth of 3 D Hierarchical Porous Ni ₃ S ₂ Nanostructures on Nickel Foam for High-Performance Supercapacitors. 2016 , 2, 719-725		16
151	3D urchin-shaped Ni ₃ (VO ₄) ₂ hollow nanospheres for high-performance asymmetric supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9822-9831	13	85
150	Solvent-assisted morphology confinement of a nickel sulfide nanostructure and its application for non-enzymatic glucose sensor. 2016 , 85, 587-595		57
149	Nickel-Cobalt Layered Double Hydroxide Nanowires on Three Dimensional Graphene Nickel Foam for High Performance Asymmetric Supercapacitors. <i>Electrochimica Acta</i> , 2016 , 215, 492-499	6.7	93
148	Proportion of composition in a composite does matter for advanced supercapacitor behavior. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17440-17454	13	19
147	3D graphene-based hybrid materials: synthesis and applications in energy storage and conversion. 2016 , 8, 15414-47		105

146	A flexible and high-performance all-solid-state supercapacitor device based on Ni ₃ S ₂ nanosheets coated ITO nanowire arrays on carbon fabrics. <i>RSC Advances</i> , 2016 , 6, 75186-75193	3-7	27
145	Facile preparation of nickel/carbonized wood nanocomposite for environmentally friendly supercapacitor electrodes. <i>Scientific Reports</i> , 2016 , 6, 33659	4-9	29
144	High-Performance Flexible Solid-State Ni/Fe Battery Consisting of Metal Oxides Coated Carbon Cloth/Carbon Nanofiber Electrodes. 2016 , 6, 1601034		213
143	Spectral Capacitance of Series and Parallel Combinations of Supercapacitors. 2016 , 3, 1429-1436		39
142	A Ni _{1-x} Zn _x S/Ni foam composite electrode with multi-layers: one-step synthesis and high supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12929-12939	13	39
141	Fabrication of flexible fiber supercapacitor using covalently grafted CoFe ₂ O ₄ /reduced graphene oxide/polyaniline and its electrochemical performances. <i>Electrochimica Acta</i> , 2016 , 213, 469-481	6-7	92
140	Large Scale Synthesis of NiCo Layered Double Hydroxides for Superior Asymmetric Electrochemical Capacitor. <i>Scientific Reports</i> , 2016 , 6, 18737	4-9	135
139	Large-scale synthesis of hybrid metal oxides through metal redox mechanism for high-performance pseudocapacitors. <i>Scientific Reports</i> , 2016 , 6, 20021	4-9	56
138	Progress and development of Fe ₃ O ₄ electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10767-10778	13	165
137	Supercapacitor Electrode Based on Nano-Vanadium Nitride Incorporated on Porous Carbon Nanospheres Derived from Ionic Amphiphilic Block Copolymers & Vanadium-Contained Ion Assembly Systems. <i>Electrochimica Acta</i> , 2016 , 211, 469-477	6-7	62
136	A high energy density all-solid-state asymmetric supercapacitor based on MoS ₂ /graphene nanosheets and MnO ₂ /graphene hybrid electrodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11264-11275	13	127
135	Highly energetic flexible all-solid-state asymmetric supercapacitor with Fe ₂ O ₃ and CuO thin films. <i>RSC Advances</i> , 2016 , 6, 58839-58843	3-7	23
134	Metal Oxide/Graphene Composites for Supercapacitive Electrode Materials. 2016 , 11, 949-64		52
133	Graphene-Coupled Flower-Like Ni ₃ S ₂ for a Free-Standing 3D Aerogel with an Ultra-High Electrochemical Capacity. <i>Electrochimica Acta</i> , 2016 , 191, 705-715	6-7	70
132	Enhancement of photocatalytic hydrogen formation under visible illumination by integrating plasmonic Au nanoparticles with a strongly catalytic Ni ₃ S ₂ /carbon nanotube composite. 2016 , 6, 4020-4026		11
131	Hydrothermally synthesized graphene and Fe ₃ O ₄ nanocomposites for high performance capacitive deionization. <i>RSC Advances</i> , 2016 , 6, 11967-11972	3-7	42
130	Amorphous nanostructured FeOOH and Co/Ni double hydroxides for high-performance aqueous asymmetric supercapacitors. 2016 , 21, 145-153		196
129	High performance electrochemical capacitor materials focusing on nickel based materials. 2016 , 3, 175-202		238

128	Recent advances in graphene-based hybrid nanostructures for electrochemical energy storage. 2016 , 1, 340-374		79
127	Facile Synthesis of Fe ₂ O ₃ Nano-Dots@Nitrogen-Doped Graphene for Supercapacitor Electrode with Ultralong Cycle Life in KOH Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9335-44	9.5	165
126	Graphene-containing materials for use in supercapacitors. 2016 , 303, 176-183		10
125	An excellent cycle performance of asymmetric supercapacitor based on bristles like β -MnO ₂ nanoparticles grown on multiwalled carbon nanotubes. <i>Journal of Power Sources</i> , 2016 , 309, 212-220	8.9	65
124	Enhanced rate capability of nanostructured three-dimensional graphene/Ni ₃ S ₂ composite for supercapacitor electrode. <i>Ceramics International</i> , 2016 , 42, 9858-9865	5.1	31
123	First report on synthesis of ZnFe ₂ O ₄ thin film using successive ionic layer adsorption and reaction: Approach towards solid-state symmetric supercapacitor device. <i>Electrochimica Acta</i> , 2016 , 198, 203-211	6.7	92
122	Growth of NiCo binary hydroxide on a reduced graphene oxide surface by a successive ionic layer adsorption and reaction (SILAR) method for high performance asymmetric supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2188-2197	13	80
121	Low-cost high-performance asymmetric supercapacitors based on Co ₂ AlO ₄ @MnO ₂ nanosheets and Fe ₃ O ₄ nanoflakes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2096-2104	13	96
120	Mechanical alloying synthesis of Ni ₃ S ₂ nanoparticles as electrode material for pseudocapacitor with excellent performances. <i>Journal of Alloys and Compounds</i> , 2016 , 656, 138-145	5.7	48
119	Capacitive Performance of Graphene-based Asymmetric Supercapacitor. <i>Electrochimica Acta</i> , 2017 , 229, 173-182	6.7	23
118	All-solid-state asymmetric supercapacitors based on cobalt hexacyanoferrate-derived CoS and activated carbon. <i>RSC Advances</i> , 2017 , 7, 6648-6659	3.7	130
117	Ni Foam-NiS@Ni(OH) ₂ -Graphene Sandwich Structure Electrode Materials: Facile Synthesis and High Supercapacitor Performance. 2017 , 23, 4128-4136		33
116	Iron Oxide Nanosheets and Pulse-Electrodeposited Ni-Co-S Nanoflake Arrays for High-Performance Charge Storage. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6967-6978	9.5	86
115	A high-performance supercapacitor electrode material based on NiS/Ni ₃ S ₄ composite. <i>Electrochimica Acta</i> , 2017 , 229, 299-305	6.7	82
114	Battery-Supercapacitor Hybrid Devices: Recent Progress and Future Prospects. 2017 , 4, 1600539		912
113	Polyaniline/ β -Ni(OH) ₂ /iron oxide-doped reduced graphene oxide-based hybrid electrode material. 2017 , 47, 531-546		12
112	Asymmetric Supercapacitor Electrodes and Devices. 2017 , 29, 1605336		600
111	Anchored Fe ₃ O ₄ Nanoparticles on rGO Nanosheets as High-Power Negative Electrodes for Aqueous Batteries. 2017 , 4, 1295-1305		15

110	Recent progresses in high-energy-density all pseudocapacitive-electrode-materials-based asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9443-9464	13	218
109	Coaxial Ag-base metal nanowire networks with high electrochemical stability for transparent and stretchable asymmetric supercapacitors. 2017 , 2, 199-204		51
108	Synergistic interaction between pseudocapacitive FeO nanoparticles and highly porous silicon carbide for high-performance electrodes as electrochemical supercapacitors. <i>Nanotechnology</i> , 2017 , 28, 195401	3.4	14
107	Quasi-solid-state flexible asymmetric supercapacitor based on ferroferric oxide nanoparticles on porous silicon carbide with redox-active p -nitroaniline gel electrolyte. <i>Chemical Engineering Journal</i> , 2017 , 324, 93-103	14.7	25
106	A Tubular Sandwich-Structured CNT@Ni@Ni ₂ (CO ₃)(OH) ₂ with High Stability and Superior Capacity as Hybrid Supercapacitor. 2017 , 121, 9719-9728		35
105	Pseudocapacitive titanium oxynitride mesoporous nanowires with iso-oriented nanocrystals for ultrahigh-rate sodium ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10827-10835	13	73
104	Low temperature synthesis of ternary metal phosphides using plasma for asymmetric supercapacitors. 2017 , 35, 331-340		242
103	Composition-Dependent Pseudocapacitive Properties of Self-Supported Nickel-Based Nanobelts. 2017 , 121, 7101-7107		15
102	Three-dimensional graphene combined with hierarchical CuS for the design of flexible solid-state supercapacitors. <i>Electrochimica Acta</i> , 2017 , 237, 109-118	6.7	65
101	Facile synthesis of Ni ₃ S ₂ and Co ₉ S ₈ double-size nanoparticles decorated on rGO for high-performance supercapacitor electrode materials. <i>Electrochimica Acta</i> , 2017 , 226, 69-78	6.7	90
100	Graphene-family nanomaterials assembled with cobalt oxides and cobalt nanoparticles as hybrid supercapacitive electrodes and enzymeless glucose detection platforms. 2017 , 32, 301-322		19
99	Rational Design of Self-Supported NiS Nanosheets Array for Advanced Asymmetric Supercapacitor with a Superior Energy Density. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 496-504	9.5	176
98	Bouquet-Like NiCo ₂ O ₄ @CoNi ₂ S ₄ Arrays for High-Performance Pseudocapacitors. 2017 , 4, 607-612		14
97	A novel Ni Coordination Supramolecular Network hybrid monolith of 3D graphene as electrode materials for supercapacitors. 2017 , 6, 164-172		9
96	Cobalt Doping To Boost the Electrochemical Properties of Ni@Ni S Nanowire Films for High-Performance Supercapacitors. 2017 , 10, 4056-4065		51
95	Charge storage at the nanoscale: understanding the trends from the molecular scale perspective. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21049-21076	13	39
94	Polypyrrole Films with Micro/Nanosphere Shapes for Electrodes of High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33203-33211	9.5	18
93	3D in-situ hollow carbon fiber/carbon nanosheet/Fe ₃ C@Fe ₃ O ₄ by solventless one-step synthesis and its superior supercapacitor performance. <i>Electrochimica Acta</i> , 2017 , 252, 215-225	6.7	22

92	Boosting the capacitance and voltage of aqueous supercapacitors via redox charge contribution from both electrode and electrolyte. 2017 , 15, 15-25		83
91	Hierarchical 3D Cobalt-Doped Fe O Nanospheres@NG Hybrid as an Advanced Anode Material for High-Performance Asymmetric Supercapacitors. 2017 , 13, 1701275		74
90	Nanostructured Metal Chalcogenides for Energy Storage and Electrocatalysis. 2017 , 27, 1702317		234
89	Facile Construction of 3D Reduced Graphene Oxide Wrapped Ni ₃ S ₂ Nanoparticles on Ni Foam for High-Performance Asymmetric Supercapacitor Electrodes. 2017 , 34, 1700196		27
88	A new insight into PAM/graphene-based adsorption of water-soluble aromatic pollutants. 2017 , 52, 8650-8664	35	
87	Graphene-based materials for high-voltage and high-energy asymmetric supercapacitors. <i>Energy Storage Materials</i> , 2017 , 6, 70-97	19.4	201
86	Asymmetric All-Metal-Oxide Supercapacitor with Superb Cycle Performance. 2018 , 24, 6169-6177		22
85	Synthesis and application of iron-based nanomaterials as anodes of lithium-ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9332-9367	13	118
84	Synthesis of NiMn-LDH Nanosheet@NiS Nanorod Hybrid Structures for Supercapacitor Electrode Materials with Ultrahigh Specific Capacitance. <i>Scientific Reports</i> , 2018 , 8, 5246	4.9	61
83	Surface modulation of NiCo ₂ O ₄ nanowire arrays with significantly enhanced reactivity for ultrahigh-energy supercapacitors. <i>Chemical Engineering Journal</i> , 2018 , 352, 996-1003	14.7	52
82	Facile synthesis of NiS anchored carbon nanofibers for high-performance supercapacitors. <i>Applied Surface Science</i> , 2018 , 434, 112-119	6.7	62
81	Facile hydrothermal synthesis of carbon-coated cobalt ferrite spherical nanoparticles as a potential negative electrode for flexible supercapattery. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 480-488	9.3	26
80	Tailoring the supercapacitance of Mn ₂ O ₃ nanofibers by nanocompositing with spinel-ZnMn ₂ O ₄ . 2018 , 139, 162-171		26
79	Hybrid graphene aerogel intermedium for bendable supercapacitor electrode. 2018 , 13, 1417-1420		1
78	Puzzles and confusions in supercapacitor and battery: Theory and solutions. <i>Journal of Power Sources</i> , 2018 , 401, 213-223	8.9	133
77	Sheet-membrane Mn-doped nickel hydroxide encapsulated via heterogeneous Ni ₃ S ₂ nanoparticles for efficient alkaline battery-supercapacitor hybrid devices. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19020-19029	13	40
76	A flexible rechargeable quasi-solid-state NiFe battery based on surface engineering exhibits high energy and long durability. 2018 , 5, 1805-1815		13
75	Conformal Multifunctional Titania Shell on Iron Oxide Nanorod Conversion Electrode Enables High Stability Exceeding 30 000 Cycles in Aqueous Electrolyte. 2018 , 28, 1800497		51

74	Magnetic field induced electrochemical performance enhancement in reduced graphene oxide anchored Fe ₃ O ₄ nanoparticle hybrid based supercapacitor. 2018 , 51, 375501		34
73	A self-healable asymmetric fibered-supercapacitor integrated in self-supported inorganic nanosheets array and conducting polymer electrodes. <i>Chemical Engineering Journal</i> , 2018 , 352, 423-430	14.7	19
72	Rapid microwave-assisted synthesis of high-rate FeS ₂ nanoparticles anchored on graphene for hybrid supercapacitors with ultrahigh energy density. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14956-14966	13	60
71	High-performance double ion-buffering reservoirs of asymmetric supercapacitors based on flower-like CoO-G>N-PEGm microspheres and 3D rGO-CNT>N-PEGm aerogels. 2018 , 10, 17293-17303		17
70	Low temperature synthesis of sponge-like NiV ₂ O ₆ /C composite by calcining Ni-V-based coordination polymer for supercapacitor application. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 823, 80-91	4.1	21
69	Towards enhanced energy density of graphene-based supercapacitors: Current status, approaches, and future directions. <i>Journal of Power Sources</i> , 2018 , 396, 182-206	8.9	79
68	Advanced asymmetric supercapacitor based on molybdenum trioxide decorated nickel cobalt oxide nanosheets and three-dimensional FeOOH/rGO. <i>Electrochimica Acta</i> , 2019 , 320, 134580	6.7	16
67	Fabrication of Ni ₃ S ₂ /TiO ₂ photoanode material for 304 stainless steel photocathodic protection under visible light. 2019 , 377, 124935		21
66	Facile one-pot synthesis of 2D vanadium-doped NiCl(OH) nanoplates assembled by 3D nanosheet arrays on Ni foam for supercapacitor application. <i>Applied Surface Science</i> , 2019 , 478, 75-86	6.7	9
65	Iron oxide-based nanomaterials for supercapacitors. <i>Nanotechnology</i> , 2019 , 30, 204002	3.4	28
64	Magnetite Nanorods Stabilized by Polyaniline/Reduced Graphene Oxide as a Sensing Platform for Selective and Sensitive Non-enzymatic Hydrogen Peroxide Detection. 2019 , 31, 1507-1516		22
63	Constructing efficient quasi-solid-state alkaline NiBe battery based on NiMn hydroxides/Ni ₃ S ₂ and FeOOH@RGO electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 13076-13089	2.1	10
62	Asymmetric supercapacitors based on 3D graphene-wrapped V ₂ O ₅ nanospheres and Fe ₃ O ₄ @3D graphene electrodes with high power and energy densities. <i>Electrochimica Acta</i> , 2019 , 310, 58-69	6.7	62
61	Carbon decorated octahedral shaped Fe ₃ O ₄ and Fe ₂ O ₃ magnetic hybrid nanomaterials for next generation supercapacitor applications. <i>Applied Surface Science</i> , 2019 , 485, 147-157	6.7	47
60	Versatile template-free construction of hollow nanostructured CeO ₂ induced by functionalized carbon materials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12008-12017	13	12
59	In situ N-doped carbon modified (Co _{0.5} Ni _{0.5}) ₉ S ₈ solid-solution hollow spheres as high-capacity anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8268-8276	13	57
58	Phase- and interlayer spacing-controlled cobalt hydroxides for high performance asymmetric supercapacitor applications. <i>Journal of Power Sources</i> , 2019 , 422, 9-17	8.9	43
57	Electrocatalytic Water Splitting through the Ni S Self-Grown Superstructures Obtained via a Wet Chemical Sulfurization Process. <i>ACS Omega</i> , 2019 , 4, 6486-6491	3.9	10

56	One-pot synthesis Ni-Cu sulfide on Ni foam with novel three-dimensional prisms/spheres hierarchical structure for high-performance supercapacitors. <i>Journal of Solid State Chemistry</i> , 2019 , 275, 95-102	3.3	8
55	Self-supported core/shell Co ₃ O ₄ @Ni ₃ S ₂ nanowires for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2019 , 311, 221-229	6.7	42
54	Hierarchically Interconnected Ni ₃ S ₂ Nanofibers as Binder-Free Electrodes for High-Performance Sodium-Ion Energy-Storage Devices. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2634-2641	5.6	30
53	Template synthesis of NiCo ₂ S ₄ /Co ₉ S ₈ hollow spheres for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019 , 368, 513-524	14.7	71
52	Aqueous asymmetric supercapacitors based on electrodeposited poly(1,5-naphthalenediamine) and poly(4,4'-oxydianiline). <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3603-3610	5.8	6
51	Designing transition metal alloy nanoparticles embedded hierarchically porous carbon nanosheets as high-efficiency electrocatalysts toward full water splitting. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 280-294	9.3	15
50	Sulphur Source-Inspired Self-Grown 3D Ni S Nanostructures and Their Electrochemical Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4551-4559	9.5	44
49	Hetero-structured nanocomposites of Ni/co/O/S for high-performance pseudo-supercapacitors. <i>Electrochimica Acta</i> , 2019 , 299, 298-311	6.7	14
48	Rational fabrication of nanosheet-dewy NiMoO ₄ /Ni ₃ S ₂ nanohybrid for efficient hybrid supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019 , 783, 399-408	5.7	15
47	Systematic design of hierarchical Ni ₃ S ₂ /MoO ₂ nanostructures grown on 3D conductive substrate for high-performance pseudocapacitors. <i>Ceramics International</i> , 2019 , 45, 2670-2675	5.1	8
46	Direct growth of iron oxide nanoparticles filled multi-walled carbon nanotube via chemical vapour deposition method as high-performance supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 2349-2360	6.7	32
45	Three dimensional NiS ₂ /Ni(OH) ₂ /CNT nanostructured assembly for supercapacitor and oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020 , 812, 152126	5.7	25
44	Flexible GO-CoPc and GO-NiPc nanocomposite electrodes for hybrid supercapacitors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 116, 113766	3	6
43	Multifunctional FeS ₂ in binder-independent configuration as high-performance supercapacitor electrode and non-enzymatic H ₂ O ₂ detector. <i>Applied Surface Science</i> , 2020 , 503, 144304	6.7	16
42	Graphene-based composites for electrochemical energy storage. <i>Energy Storage Materials</i> , 2020 , 24, 22-51	19.4	214
41	NiS nanosheets with novel structure anchored on coal-based carbon fibers prepared by electrospinning for flexible supercapacitors. <i>CrystEngComm</i> , 2020 , 22, 1625-1632	3.3	19
40	Effect of ruthenium based catalyst loading on the electrochemical properties of carbon xerogel. <i>Chemical Physics Letters</i> , 2020 , 739, 136947	2.5	1
39	Ag-modified FeO nanoparticles on a carbon cloth as an anode material for high-performance supercapacitors. <i>Nanotechnology</i> , 2020 , 31, 125405	3.4	2

38	Mesoporous Carbon/FeO Nanoleaf Composites for Disposable Nitrite Sensors and Energy Storage Applications. <i>ACS Omega</i> , 2020 , 5, 32160-32170	3.9	7
37	Metal-organic frameworks-derived titanium dioxide/carbon nanocomposite for supercapacitor applications. <i>International Journal of Energy Research</i> , 2020 , 44, 6269-6284	4.5	23
36	ZIF-67 derived Co ₃ S ₄ hollow microspheres and WS ₂ nanorods as a hybrid electrode material for flexible 2V solid-state supercapacitor. <i>Electrochimica Acta</i> , 2020 , 345, 136194	6.7	36
35	MOF-reinforced Co ₉ S ₈ self-supported nanowire arrays for highly durable and flexible supercapacitor. <i>Electrochimica Acta</i> , 2020 , 346, 136201	6.7	20
34	Synergistic catalysis of Pd/Ni(OH) ₂ hybrid anchored on porous carbon for hydrogen evolution from the dehydrogenation of formic acid. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 12849-12858	6.7	18
33	Comparative performance analysis of electrospun TiO ₂ embedded poly(vinylidene fluoride) nanocomposite membrane for supercapacitors. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50323	2.9	5
32	Fe-Based Anode Materials for Asymmetric Supercapacitors. 2021 , 493-515		
31	Synthesis and characterization of reduced graphene oxide/magnetite/polyaniline composites as electrode materials for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 1864-1876	2.1	3
30	Theories and models of supercapacitors with recent advancements: impact and interpretations. <i>Nano Express</i> , 2021 , 2, 022004	2	7
29	Facile Cyclic Voltammetric-Induced Trimetallic Oxides with Shear-Wall Structure Exhibiting Advanced Performance in an Asymmetric Pseudocapacitor. <i>Energy Technology</i> , 2021 , 9, 2001136	3.5	
28	Improvement of Supercapacitor Performance through Enhanced Interfacial Interactions Induced by Sonication. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 7611-7623	3.9	4
27	Laser crystallized sandwich-like MXene/Fe ₃ O ₄ /MXene thin film electrodes for flexible supercapacitors. <i>Journal of Power Sources</i> , 2021 , 497, 229882	8.9	13
26	Late transition metal nanocomplexes: Applications for renewable energy conversion and storage. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 145, 111103	16.2	5
25	An efficient chemical reduction-induced assembly of Fe ₃ O ₄ @graphene fiber for wire-shaped supercapacitors with ultrahigh volumetric energy density. <i>Science China Technological Sciences</i> , 2021 , 64, 2246	3.5	1
24	Solution-free self-assembled growth of ordered tricopper phosphide for efficient and stable hybrid supercapacitor. <i>Energy Storage Materials</i> , 2021 , 39, 194-202	19.4	11
23	Recent advances in materials and device technologies for aqueous hybrid supercapacitors. <i>Science China Materials</i> , 1	7.1	6
22	Surface and diffusion charge contribution study of neem leaves derived porous carbon electrode for supercapacitor applications using acidic, basic, and neutral electrolytes. <i>Journal of Energy Storage</i> , 2021 , 41, 103000	7.8	2
21	Synthesis of Mesoporous NiFe ₂ O ₄ Nanoparticles for Enhanced Supercapacitive Performance. <i>Journal of Clean Energy Technologies</i> , 2018 , 6, 51-55	0.2	17

20	PVP-Assisted Synthesis of Self-Supported NiP@Carbon for High-Performance Supercapacitor. <i>Research</i> , 2019 , 2019, 8013285	7.8	8
19	Modulating the electrochemical capacitance of NiFe ₂ O ₄ by an external magnetic field for energy storage application. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 901, 115758	4.1	0
18	Fabrication of an antimony doped tin oxide-graphene nanocomposite for highly effective capacitive deionization of saline water.. <i>RSC Advances</i> , 2020 , 10, 39130-39136	3.7	1
17	2D layered nickel-cobalt double hydroxide nano sheets @ 1D silver nanowire-graphitic carbon nitrides for high performance super capacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 162803	5.7	5
16	Review on Graphene-, Graphene Oxide-, Reduced Graphene Oxide-Based Flexible Composites: From Fabrication to Applications.. <i>Materials</i> , 2022 , 15,	3.5	17
15	In situ grown Fe ₃ O ₄ particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. <i>Nano Research</i> , 1	10	17
14	Rational La-doped hematite as an anode and hydrous cobalt phosphate as a battery-type electrode for a hybrid supercapacitor.. <i>Dalton Transactions</i> , 2022 ,	4.3	1
13	Investigations of conducting polymers, carbon materials, oxide and sulfide materials for supercapacitor applications: a review. <i>Chemical Papers</i> , 1	1.9	3
12	Wrinkled Flower-Like rGO intercalated with Ni(OH) ₂ and MnO ₂ as High-Performing Supercapacitor Electrode. <i>ACS Omega</i> ,	3.9	1
11	Application of Iron Oxide in Supercapacitor.		0
10	Polyanilines from spent battery powder and activated carbon: Electrodes for asymmetric supercapacitor cell. 2022 , 139,		
9	Hydrothermal synthesis of vanadium doped nickel sulfide nanoflower for high-performance supercapacitor. 2022 , 928, 167189		0
8	Size-controllable synthesis of covalently interconnected few-shelled Fe ₃ O ₄ @onion-like carbons for high-performance asymmetric supercapacitors. 2023 , 203, 261-272		0
7	HighPerformance Biscrolled NiBe Yarn Battery with Outer Buffer Layer. 2023 , 24, 1067		0
6	Prussian blue analogue derived NiCoSe ₄ coupling with nitrogen-doped carbon nanofibers for pseudocapacitive electrodes. 2023 , 108152		0
5	Hydrogen Evolution Reaction Activities of Room-Temperature Self-Grown Glycerol-Assisted Nickel Chloride Nanostructures. 2023 , 13, 177		0
4	MetalOrganic framework derived bimetallic selenide embedded in nitrogen-doped carbon hierarchical nanosphere for highly reversible sodium-ion storage. 2023 , 635, 370-378		0
3	Symmetric and Asymmetric Supercapacitors of ITO Glass and Film Electrodes Consisting of Carbon Dot and Magnetite. 2023 , 9, 162		0

2 A Graphene Oxide-thioamide Polymer Hybrid for High-Performance Supercapacitor Electrodes. ○

1 Formate Over-Oxidation Limits Industrialization of Glycerol Oxidation Paired with Carbon Dioxide Reduction to Formate. **2023**, 88, ○