Zhuangjun Fan

List of Publications by Year
in descending order

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		7568	4015
192	31,653	77	176
papers	citations	h-index	g-index

196	196	196	27328
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advanced Asymmetric Supercapacitors Based on Ni(OH)₂/Graphene and Porous Graphene Electrodes with High Energy Density. Advanced Functional Materials, 2012, 22, 2632-2641.	14.9	1,855
2	Asymmetric Supercapacitors Based on Graphene/MnO₂ and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. Advanced Functional Materials, 2011, 21, 2366-2375.	14.9	1,827
3	Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities. Advanced Energy Materials, 2014, 4, 1300816.	19.5	1,727
4	Fast and reversible surface redox reaction of grapheneâ€“MnO2 composites as supercapacitor electrodes. Carbon, 2010, 48, 3825-3833.	10.3	1,272
5	A Threeâ€Dimensional Carbon Nanotube/Graphene Sandwich and Its Application as Electrode in Supercapacitors. Advanced Materials, 2010, 22, 3723-3728.	21.0	1,182
6	Nitrogen and sulfur co-doped porous carbon nanosheets derived from willow catkin for supercapacitors. Nano Energy, 2016, 19, 165-175.	16.0	1,088
7	Carbon materials for high volumetric performance supercapacitors: design, progress, challenges and opportunities. Energy and Environmental Science, 2016, 9, 729-762.	30.8	1,037
8	Preparation of a graphene nanosheet/polyaniline composite with high specific capacitance. Carbon, 2010, 48, 487-493.	10.3	999
9	Sulfate radicals induced from peroxymonosulfate by magnetic ferrospinel MFe2O4 (M = Co, Cu, Mn,) Tj ETQq1 1 0.784314 rgBT /Ove	20.2	837
10	Facile Synthesis of Graphene Nanosheets via Fe Reduction of Exfoliated Graphite Oxide. ACS Nano, 2011, 5, 191-198.	14.6	818
11	Design of advanced porous graphene materials: from graphene nanomesh to 3D architectures. Nanoscale, 2014, 6, 1922-1945.	5.6	613
12	Nanocellulose: a promising nanomaterial for advanced electrochemical energy storage. Chemical Society Reviews, 2018, 47, 2837-2872.	38.1	586
13	Three-dimensional flower-like and hierarchical porous carbon materials as high-rate performance electrodes for supercapacitors. Carbon, 2014, 67, 119-127.	10.3	585
14	An environmentally friendly and efficient route for the reduction of graphene oxide by aluminum powder. Carbon, 2010, 48, 1686-1689.	10.3	557
15	Preparation of graphene nanosheet/carbon nanotube/polyaniline composite as electrode material for supercapacitors. Journal of Power Sources, 2010, 195, 3041-3045.	7.8	540
16	Porous layer-stacking carbon derived from in-built template in biomass for high volumetric performance supercapacitors. Nano Energy, 2015, 12, 141-151.	16.0	540
17	Electrochemical properties of graphene nanosheet/carbon black composites as electrodes for supercapacitors. Carbon, 2010, 48, 1731-1737.	10.3	534
18	Rapid microwave-assisted synthesis of graphene nanosheet/Co3O4 composite for supercapacitors. Electrochimica Acta, 2010, 55, 6973-6978.	5.2	462

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19	Template-Assisted Low Temperature Synthesis of Functionalized Graphene for Ultrahigh Volumetric Performance Supercapacitors. ACS Nano, 2014, 8, 4720-4729.	14.6	413
20	High-performance supercapacitor electrodes based on highly corrugated graphene sheets. Carbon, 2012, 50, 2179-2188.	10.3	397
21	Carbon nanotube/MnO2 composites synthesized by microwave-assisted method for supercapacitors with high power and energy densities. Journal of Power Sources, 2009, 194, 1202-1207.	7.8	358
22	Gram-scale synthesis of nanomesh graphene with high surface area and its application in supercapacitor electrodes. Chemical Communications, 2011, 47, 5976.	4.1	339
23	Nitrogenâ€Doped Carbon Networks for High Energy Density Supercapacitors Derived from Polyaniline Coated Bacterial Cellulose. Advanced Functional Materials, 2014, 24, 3953-3961.	14.9	336
24	Electromagnetic and microwave absorbing properties of multi-walled carbon nanotubes/polymer composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 132, 85-89.	3.5	306
25	Facile synthesis of functionalized porous carbon with three-dimensional interconnected pore structure for high volumetric performance supercapacitors. Carbon, 2015, 93, 412-420.	10.3	281
26	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.	14.6	277
27	Templateâ€Directed Synthesis of Pillaredâ€Porous Carbon Nanosheet Architectures: Highâ€Performance Electrode Materials for Supercapacitors. Advanced Energy Materials, 2012, 2, 419-424.	19.5	267
28	Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. Energy and Environmental Science, 2014, 7, 2025.	30.8	265
29	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
30	Easy synthesis of porous graphene nanosheets and their use in supercapacitors. Carbon, 2012, 50, 1699-1703.	10.3	252
31	Dual Support System Ensuring Porous Coâ€“Al Hydroxide Nanosheets with Ultrahigh Rate Performance and High Energy Density for Supercapacitors. Advanced Functional Materials, 2015, 25, 1648-1655.	14.9	248
32	From flour to honeycomb-like carbon foam: Carbon makes room for high energy density supercapacitors. Nano Energy, 2015, 13, 527-536.	16.0	247
33	Interconnected Frameworks with a Sandwiched Porous Carbon Layer/Graphene Hybrids for Supercapacitors with High Gravimetric and Volumetric Performances. Advanced Energy Materials, 2014, 4, 1400500.	19.5	234
34	Densely packed graphene nanomesh-carbon nanotube hybrid film for ultra-high volumetric performance supercapacitors. Nano Energy, 2015, 11, 471-480.	16.0	219
35	Biomass-derived carbon materials with structural diversities and their applications in energy storage. Science China Materials, 2018, 61, 133-158.	6.3	210
36	Preparation of graphene nanosheet/alumina composites by spark plasma sintering. Materials Research Bulletin, 2011, 46, 315-318.	5.2	209

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37	Two-dimensional mesoporous carbon sheet-like framework material for high-rate supercapacitors. Carbon, 2013, 60, 481-487.	10.3	201
38	Biomass-derived three-dimensional honeycomb-like hierarchical structured carbon for ultrahigh energy density asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 13589-13602.	10.3	199
39	Bubbleâ€Decorated Honeycombâ€Like Graphene Film as Ultrahigh Sensitivity Pressure Sensors. Advanced Functional Materials, 2015, 25, 6545-6551.	14.9	189
40	Graphene/Î´-MnO2 composite as adsorbent for the removal of nickel ions from wastewater. Chemical Engineering Journal, 2011, 175, 1-7.	12.7	184
41	Functional Pillared Graphene Frameworks for Ultrahigh Volumetric Performance Supercapacitors. Advanced Energy Materials, 2015, 5, 1500771.	19.5	184
42	Supercapacitors Based on Graphene-Supported Iron Nanosheets as Negative Electrode Materials. ACS Nano, 2013, 7, 11325-11332.	14.6	180
43	Preparation of graphene nanosheet/polymer composites using in situ reductionâ€“extractive dispersion. Carbon, 2009, 47, 2296-2299.	10.3	178
44	Template synthesis of hollow carbon spheres anchored on carbon nanotubes for high rate performance supercapacitors. Carbon, 2013, 52, 209-218.	10.3	160
45	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. Journal of Materials Chemistry A, 2017, 5, 23085-23093.	10.3	158
46	KOH self-templating synthesis of three-dimensional hierarchical porous carbon materials for high performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 14844.	10.3	156
47	Ultramicroporous Carbons Puzzled by Graphene Quantum Dots: Integrated High Gravimetric, Volumetric, and Areal Capacitances for Supercapacitors. Advanced Functional Materials, 2018, 28, 1805898.	14.9	152
48	Construction of nitrogen-doped porous carbon buildings using interconnected ultra-small carbon nanosheets for ultra-high rate supercapacitors. Journal of Materials Chemistry A, 2016, 4, 11388-11396.	10.3	151
49	Multilayerâ€Folded Graphene Ribbon Film with Ultrahigh Areal Capacitance and High Rate Performance for Compressible Supercapacitors. Advanced Functional Materials, 2018, 28, 1800597.	14.9	149
50	MnO2â€“graphene hybrid as an alternative cathodic catalyst to platinum in microbial fuel cells. Journal of Power Sources, 2012, 216, 187-191.	7.8	147
51	Boosting the supercapacitor performance of activated carbon by constructing overall conductive networks using graphene quantum dots. Journal of Materials Chemistry A, 2019, 7, 6021-6027.	10.3	145
52	Porous graphene networks as high performance anode materials for lithium ion batteries. Carbon, 2013, 60, 558-561.	10.3	139
53	Mesoporous polyaniline film on ultra-thin graphene sheets for high performance supercapacitors. Journal of Power Sources, 2014, 247, 197-203.	7.8	135
54	Photocatalyst Interface Engineering: Spatially Confined Growth of ZnFe₂O₄ within Graphene Networks as Excellent Visibleâ€Lightâ€Driven Photocatalysts. Advanced Functional Materials, 2015, 25, 7080-7087.	14.9	134

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55	Fabrication of manganese dioxide nanoplates anchoring on biomass-derived cross-linked carbon nanosheets for high-performance asymmetric supercapacitors. Journal of Power Sources, 2015, 300, 309-317.	7.8	129
56	Functionalized graphene nanosheets decorated on carbon nanotubes networks for high performance supercapacitors. Journal of Power Sources, 2018, 398, 113-119.	7.8	125
57	A rapid and efficient method to prepare exfoliated graphite by microwave irradiation. Carbon, 2009, 47, 337-339.	10.3	114
58	A new structure for multi-walled carbon nanotubes reinforced alumina nanocomposite with high strength and toughness. Materials Letters, 2008, 62, 641-644.	2.6	112
59	High Volumetric Energy Density Asymmetric Supercapacitors Based on Wellâ€Balanced Graphene and Grapheneâ€MnO₂ Electrodes with Densely Stacked Architectures. Small, 2016, 12, 5217-5227.	10.0	112
60	Facile synthesis of carbon nanofibers-bridged porous carbon nanosheets for high-performance supercapacitors. Journal of Power Sources, 2016, 307, 190-198.	7.8	112
61	Approaching the Downsizing Limit of Silicon for Surfaceâ€Controlled Lithium Storage. Advanced Materials, 2015, 27, 1526-1532.	21.0	110
62	Edgeâ€Nitrogenâ€Rich Carbon Dots Pillared Graphene Blocks with Ultrahigh Volumetric/Gravimetric Capacities and Ultralong Life for Sodiumâ€Ion Storage. Advanced Energy Materials, 2018, 8, 1802042.	19.5	107
63	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.	10.3	106
64	Electrostatic interaction in electrospun nanofibers: Double-layer carbon protection of CoFe2O4 nanosheets enabling ultralong-life and ultrahigh-rate lithium ion storage. Nano Energy, 2018, 48, 238-247.	16.0	105
65	Solar-powered nanostructured biopolymer hygroscopic aerogels for atmospheric water harvesting. Nano Energy, 2021, 80, 105569.	16.0	99
66	A high-performance carbon derived from polyaniline for supercapacitors. Electrochemistry Communications, 2010, 12, 1279-1282.	4.7	98
67	Self-activation of nitrogen and sulfur dual-doping hierarchical porous carbons for asymmetric supercapacitors with high energy densities. Carbon, 2019, 153, 225-233.	10.3	98
68	Spatial Charge Storage within Honeycombâ€Carbon Frameworks for Ultrafast Supercapacitors with High Energy and Power Densities. Advanced Energy Materials, 2017, 7, 1700668.	19.5	96
69	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.	10.3	95
70	Oxygen Clusters Distributed in Graphene with â€œPaddy Landâ€•Structure: Ultrahigh Capacitance and Rate Performance for Supercapacitors. Advanced Functional Materials, 2018, 28, 1705258.	14.9	94
71	Enhancing the Li Storage Capacity and Initial Coulombic Efficiency for Porous Carbons by Sulfur Doping. ACS Applied Materials & Interfaces, 2014, 6, 15950-15958.	8.0	93
72	Preparation and electrochemical properties of lamellar MnO2 for supercapacitors. Materials Research Bulletin, 2010, 45, 210-215.	5.2	91

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73	Large-surface-area activated carbon with high density by electrostatic densification for supercapacitor electrodes. Carbon, 2021, 175, 281-288.	10.3	91
74	Reduced graphene oxide/carbon nanotube hybrid fibers with narrowly distributed mesopores for flexible supercapacitors with high volumetric capacitances and satisfactory durability. Carbon, 2019, 152, 134-143.	10.3	85
75	â€œBrick-and-mortarâ€•sandwiched porous carbon building constructed by metal-organic framework and graphene: Ultrafast charge/discharge rate up to 2 V sâ^'1 for supercapacitors. Nano Energy, 2016, 30, 84-92.	16.0	84
76	Toughening and reinforcing alumina matrix composite with single-wall carbon nanotubes. Applied Physics Letters, 2006, 89, 121910.	3.3	82
77	Tuning sulfur doping in graphene for highly sensitive dopamine biosensors. Carbon, 2015, 86, 197-206.	10.3	82
78	Synthesis and adsorption properties of spongelike porous MnFe2O4. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 363, 1-7.	4.7	79
79	High capacity gas storage in corrugated porous graphene with a specific surface area-lossless tightly stacking manner. Chemical Communications, 2012, 48, 6815.	4.1	79
80	Chemical vapor deposition derived flexible graphene paper and its application as high performance anodes for lithium rechargeable batteries. Journal of Materials Chemistry A, 2013, 1, 408-414.	10.3	78
81	Functionalized three-dimensional graphene networks for high performance supercapacitors. Carbon, 2015, 92, 26-30.	10.3	78
82	In-situ hydrothermal crystallization Mg(OH)2 films on magnesium alloy AZ91 and their corrosion resistance properties. Materials Chemistry and Physics, 2013, 143, 322-329.	4.0	77
83	Wood-Derived Carbon with Selectively Introduced Câ•O Groups toward Stable and High Capacity Anodes for Sodium Storage. ACS Applied Materials & Interfaces, 2020, 12, 27499-27507.	8.0	75
84	Recent Developments of Transition Metal Compounds-Carbon Hybrid Electrodes for High Energy/Power Supercapacitors. Nano-Micro Letters, 2021, 13, 129.	27.0	75
85	Improvement of g-C3N4 photocatalytic properties using the Hummers method. Journal of Colloid and Interface Science, 2016, 479, 1-6.	9.4	74
86	Space-confinement of MnO nanosheets in densely stacked graphene: Ultra-high volumetric capacity and rate performance for lithium-ion batteries. Energy Storage Materials, 2018, 12, 94-102.	18.0	74
87	A Mottâ€“Schottky Heterogeneous Layer for Liâ€“S Batteries: Enabling Both High Stability and Commercialâ€Sulfur Utilization. Advanced Energy Materials, 2022, 12, .	19.5	74
88	Al and Co co-doped Î±-Ni(OH)2/graphene hybrid materials with high electrochemical performances for supercapacitors. Electrochimica Acta, 2014, 137, 352-358.	5.2	73
89	Magnetic and high rate adsorption properties of porous Mn1â^'Zn Fe2O4 (0 â©½xâ©½ 0.8) adsorbents. Journal of Colloid and Interface Science, 2011, 353, 524-529.	9.4	72
90	In-plane mesoporous graphene oxide nanosheet assembled membranes for molecular separation. RSC Advances, 2014, 4, 21425.	3.6	72

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91	Vertically Oriented Graphene Nanoribbon Fibers for High-Volumetric Energy Density All-Solid-State Asymmetric Supercapacitors. Small, 2017, 13, 1700371.	10.0	71
92	Wrinkled Ultrathin Graphitic C₃N₄ Nanosheets for Photocatalytic Degradation of Organic Wastewater. ACS Applied Nano Materials, 2018, 1, 6733-6741.	5.0	71
93	Synthesis of 3D porous ferromagnetic NiFe2O4 and using as novel adsorbent to treat wastewater. Journal of Colloid and Interface Science, 2011, 362, 477-485.	9.4	67
94	Graphene Quantum Dot Reinforced Electrospun Carbon Nanofiber Fabrics with High Surface Area for Ultrahigh Rate Supercapacitors. ACS Applied Materials & Interfaces, 2020, 12, 11669-11678.	8.0	67
95	Approaching the Theoretical Sodium Storage Capacity and Ultrahigh Rate of Layerâ€Expanded MoS₂ by Interfacial Engineering on Nâ€Doped Graphene. Advanced Energy Materials, 2021, 11, 2002600.	19.5	65
96	One-step synthesis of a graphene-carbon nanotube hybrid decorated by magnetic nanoparticles. Carbon, 2012, 50, 2764-2771.	10.3	64
97	Nitrogen-doped sandwich-like porous carbon nanosheets for high volumetric performance supercapacitors. Electrochimica Acta, 2014, 146, 548-555.	5.2	64
98	3D Carbon Frameworks for Ultrafast Charge/Discharge Rate Supercapacitors with High Energy-Power Density. Nano-Micro Letters, 2021, 13, 8.	27.0	64
99	Ultrafast pore-tailoring of dense microporous carbon for high volumetric performance supercapacitors in organic electrolyte. Carbon, 2022, 191, 19-27.	10.3	64
100	The synergy of a three filler combination in the conductivity of epoxy composites. Materials Letters, 2010, 64, 2376-2379.	2.6	63
101	High density Co3O4 nanoparticles confined in a porous graphene nanomesh network driven by an electrochemical process: ultra-high capacity and rate performance for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 14023.	10.3	63
102	Fe(CN)₆^{3â”} ion-modified MnO₂/graphene nanoribbons enabling high energy density asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 7649-7658.	10.3	60
103	Synthesis of magnetic ZnO/ZnFe 2 O 4 by a microwave combustion method, and its high rate of adsorption of methylene blue. Journal of Colloid and Interface Science, 2015, 438, 318-322.	9.4	58
104	Amorphous Red Phosphorus Embedded in Sandwiched Porous Carbon Enabling Superior Sodium Storage Performances. Small, 2018, 14, e1703472.	10.0	58
105	Synthesis of high surface area, mesoporous MgO nanosheets with excellent adsorption capability for Ni(II) via a distillation treating. Journal of Colloid and Interface Science, 2015, 438, 259-267.	9.4	57
106	Ultrasmall-sized SnS nanosheets vertically aligned on carbon microtubes for sodium-ion capacitors with high energy density. Journal of Materials Chemistry A, 2019, 7, 4047-4054.	10.3	57
107	Ultra-small and highly crystallized ZnFe₂O₄ nanoparticles within double graphene networks for super-long life lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 11188-11196.	10.3	55
108	Compositing strategies to enhance the performance of chemiresistive CO2 gas sensors. Materials Science in Semiconductor Processing, 2020, 107, 104820.	4.0	54

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109	Advanced carbon materials with different spatial dimensions for supercapacitors. Nano Materials Science, 2021, 3, 241-267.	8.8	54
110	Fabrication and characterization of multi-walled carbon nanotubes-based ink. Journal of Materials Science, 2005, 40, 5075-5077.	3.7	53
111	One-step synthesis of biomass-derived porous carbon foam for high performance supercapacitors. Materials Letters, 2013, 101, 29-32.	2.6	53
112	Ferromagnetism in nanomesh graphene. Carbon, 2013, 51, 390-396.	10.3	52
113	Lightweight, Flexible, Thermally-Stable, and Thermally-Insulating Aerogels Derived from Cotton Nanofibrillated Cellulose. ACS Sustainable Chemistry and Engineering, 2019, 7, 9202-9210.	6.7	52
114	Covalent grafting of p-phenylenediamine molecules onto a â€œbubble-likeâ€•carbon surface for high performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2020, 8, 1767-1778.	10.3	51
115	Facile and rapid synthesis of highly crumpled graphene sheets as high-performance electrodes for supercapacitors. RSC Advances, 2013, 3, 2566.	3.6	50
116	High-performance aqueous asymmetric supercapacitor based on spinel LiMn2O4 and nitrogen-doped graphene/porous carbon composite. Electrochimica Acta, 2015, 180, 287-294.	5.2	50
117	MgO-catalyzed growth of N-doped wrinkled carbon nanotubes. Carbon, 2013, 56, 38-44.	10.3	48
118	Nitrogen-doped carbon-coated MnO nanoparticles anchored on interconnected graphene ribbons for high-performance lithium-ion batteries. Journal of Power Sources, 2018, 397, 325-333.	7.8	48
119	Preparation and electrochemical characteristics of manganese dioxide/graphite nanoplatelet composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 174-178.	3.5	47
120	Ultra-high toughness all graphene fibers derived from synergetic effect of interconnected graphene ribbons and graphene sheets. Carbon, 2017, 120, 17-22.	10.3	47
121	Oil sorption and recovery by using vertically aligned carbon nanotubes. Carbon, 2010, 48, 4197-4200.	10.3	44
122	Preparation of a carbon nanotube film by ink-jet printing. Carbon, 2007, 45, 2712-2716.	10.3	43
123	Effect of carbon black on electrical property of graphite nanoplatelets/epoxy resin composites. Polymer Engineering and Science, 2009, 49, 2041-2045.	3.1	43
124	Nickel hexacyanoferrate on graphene sheets for high-performance asymmetric supercapacitors in neutral aqueous electrolyte. Electrochimica Acta, 2019, 303, 40-48.	5.2	43
125	Robust Nanofibrillated Cellulose Hydro/Aerogels from Benign Solution/Solvent Exchange Treatment. ACS Sustainable Chemistry and Engineering, 2018, 6, 6624-6634.	6.7	41
126	Polyaniline nanofibers confined into graphene oxide architecture for high-performance supercapacitors. Electrochimica Acta, 2018, 291, 234-241.	5.2	41

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127	Densely stacked bubble-pillared graphene blocks for high volumetric performance supercapacitors. Energy Storage Materials, 2015, 1, 42-50.	18.0	40
128	Ultra-small NiO nanoparticles anchored on nitrogen-doped carbon flowers through strong chemical bonding for high-performance lithium-ion batteries. Journal of Power Sources, 2019, 441, 227182.	7.8	39
129	Interconnected porous and nitrogen-doped carbon network for supercapacitors with high rate capability and energy density. Electrochimica Acta, 2013, 114, 165-172.	5.2	38
130	Catalytic ozonation of di-n-butyl phthalate degradation using manganese ferrite/reduced graphene oxide nanofiber as catalyst in the water. Journal of Colloid and Interface Science, 2018, 526, 347-355.	9.4	38
131	One-step synthesis of biomass derived O, N-codoped hierarchical porous carbon with high surface area for supercapacitors. Chinese Chemical Letters, 2020, 31, 2235-2238.	9.0	38
132	Multifunctional Bionanocomposite Foams with a Chitosan Matrix Reinforced by Nanofibrillated Cellulose. ChemNanoMat, 2017, 3, 98-108.	2.8	37
133	Application of Carbon-/Graphene Quantum Dots for Supercapacitors. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, 36, 1903052-0.	4.9	37
134	Nitrogen-doped graphene ribbons/MoS2 with ultrafast electron and ion transport for high-rate Li-ion batteries. Chemical Engineering Journal, 2021, 408, 127269.	12.7	36
135	A Nanostructured Moistureâ€Absorbing Gel for Fast and Largeâ€Scale Passive Dehumidification. Advanced Materials, 2022, 34, e2200865.	21.0	36
136	Characteristics and electrochemical performances of supercapacitors using double-walled carbon nanotube/Î´-MnO2 hybrid material electrodes. Journal of Electroanalytical Chemistry, 2011, 659, 191-195.	3.8	34
137	Densely pillared holey-graphene block with high-level nitrogen doping enabling ultra-high volumetric capacity for lithium ion storage. Carbon, 2019, 142, 327-336.	10.3	34
138	In-situ growth of magnesium peroxide on the edge of magnesium oxide nanosheets: Ultrahigh photocatalytic efficiency based on synergistic catalysis. Journal of Colloid and Interface Science, 2020, 561, 257-264.	9.4	34
139	Pt enhanced the photo-Fenton activity of ZnFe2O4/Î±-Fe2O3 heterostructure synthesized via one-step hydrothermal method. Journal of Colloid and Interface Science, 2020, 561, 793-800.	9.4	33
140	The effect of carbon nanotubes microstructures on reinforcing properties of SWNTs/alumina composite. Materials Research Bulletin, 2008, 43, 2806-2809.	5.2	31
141	Toward the Design of Highâ€performance Supercapacitors by Prussian Blue, its Analogues and their Derivatives. Energy and Environmental Materials, 2020, 3, 323-345.	12.8	29
142	Supercapacitors: Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities (Adv. Energy Mater. 4/2014). Advanced Energy Materials, 2014, 4, .	19.5	28
143	Highâ€efficiency utilization of carbon materials for supercapacitors. Nano Select, 2020, 1, 244-262.	3.7	27
144	Enhanced pseudo-capacitance and rate performance of amorphous MnO2 for supercapacitor by high Na doping and structural water content. Journal of Power Sources, 2022, 523, 231032.	7.8	27

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145	Strong oxidation induced quinone-rich dopamine polymerization onto porous carbons as ultrahigh-capacity organic cathode for sodium-ion batteries. Energy Storage Materials, 2021, 43, 120-129.	18.0	26
146	Temperature dependence of the conductivity behavior of graphite nanoplateletâ€filled epoxy resin composites. Journal of Applied Polymer Science, 2009, 113, 1515-1519.	2.6	25
147	Preparation of exfoliated graphite containing manganese oxides with high electrochemical capacitance by microwave irradiation. Carbon, 2009, 47, 3371-3374.	10.3	25
148	Fabrication of mesoporous magnesium oxide nanosheets using magnesium powder and their excellent adsorption of Ni (II). Journal of Colloid and Interface Science, 2018, 510, 69-76.	9.4	25
149	Preparation and characteristics of nanostructured MnO2/MWCNTs using microwave irradiation method. Materials Letters, 2008, 62, 3345-3348.	2.6	24
150	Compressible aligned carbon nanotube/MnO2 as high-rate electrode materials for supercapacitors. Journal of Electroanalytical Chemistry, 2012, 684, 32-37.	3.8	24
151	Nickel sulfide/graphene/carbon nanotube composites as electrode material for the supercapacitor application in the sea flashing signal system. Journal of Marine Science and Application, 2014, 13, 462-466.	1.7	24
152	Fast charge rate supercapacitors based on nitrogen-doped aligned carbon nanosheet networks. Electrochimica Acta, 2017, 251, 91-98.	5.2	24
153	Mesoporous single-crystalline MnO_x nanofibers@graphene for ultra-high rate and long-life lithium-ion battery anodes. Journal of Materials Chemistry A, 2018, 6, 24756-24766.	10.3	24
154	Effect of the solvents on the photocatalytic properties of ZnFe2O4 fabricated by solvothermal method. Materials Chemistry and Physics, 2019, 223, 758-761.	4.0	24
155	Sandwiching Sulfur into the Dents Between N, O Co-Doped Graphene Layered Blocks with Strong Physicochemical Confinements for Stable and High-Rate Liâ€“S Batteries. Nano-Micro Letters, 2020, 12, 146.	27.0	23
156	3D interconnected porous carbon derived from spontaneous merging of the nano-sized ZIF-8 polyhedrons for high-mass-loading supercapacitor electrodes. Journal of Materials Chemistry A, 2022, 10, 2027-2034.	10.3	23
157	Tin Nanodots Derived From Sn 2+ /Graphene Quantum Dot Complex as Pillars into Graphene Blocks for Ultrafast and Ultrastable Sodiumâ€ion Storage. Small, 2020, 16, 2003557.	10.0	22
158	Oxidation behavior of fine-grained SiCâ€“B4C/C composites up to 1400 Â°C. Carbon, 2003, 41, 429-436.	10.3	20
159	A Highly Sensitive and Selective Hydrogen Peroxide Biosensor Based on Gold Nanoparticles and Three-Dimensional Porous Carbonized Chicken Eggshell Membrane. PLoS ONE, 2015, 10, e0130156.	2.5	20
160	Ni, Co Hydroxide Modified by Partial Substitution of OH^{â€“} with Cl^{â€“} for Boosting Ultraâ€Fast Redox Kinetics up to 500ÂmVÂs^{â^'1} in Supercapacitors. Advanced Functional Materials, 2022, 32, .	14.9	18
161	Microspheres composed of multilayer graphene as anode material for lithium-ion batteries. Journal of Electroanalytical Chemistry, 2011, 653, 45-49.	3.8	17
162	Weldable and flexible graphene ribbon@Ni fibers with ultrahigh length capacitance for all-solid-state supercapacitors. Chemical Engineering Journal, 2021, 426, 131361.	12.7	17

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