

Ageing phenomena in high-voltage aqueous supercapacitor analysis

Energy and Environmental Science

9, 623-633

DOI: 10.1039/c5ee02875b

Citation Report

#	ARTICLE	IF	CITATIONS
2	Current-induced strength degradation of activated carbon spheres in carbon supercapacitors. <i>Materials Research Express</i> , 2016, 3, 055602.	0.8	2
3	Relationship between the carbon nano-onions (CNOs) surface chemistry/defects and their capacitance in aqueous and organic electrolytes. <i>Carbon</i> , 2016, 105, 628-637.	5.4	84
4	Superior high-voltage aqueous carbon/carbon supercapacitors operating with in situ electrodeposited polyvinyl alcohol borate gel polymer electrolytes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16588-16596.	5.2	34
5	“Brick-and-mortar” sandwiched porous carbon building constructed by metal-organic framework and graphene: Ultrafast charge/discharge rate up to 2 V s^{-1} for supercapacitors. <i>Nano Energy</i> , 2016, 30, 84-92.	8.2	84
6	Carbon-based electrochemical capacitors with acetate aqueous electrolytes. <i>Electrochimica Acta</i> , 2016, 215, 179-186.	2.6	57
7	High power density aqueous hybrid supercapacitor combining activated carbon and highly conductive spinel cobalt oxide. <i>Journal of Power Sources</i> , 2016, 331, 277-284.	4.0	58
8	The Origins of Low Efficiency in Electrochemical De-Ionization Systems. <i>Journal of the Electrochemical Society</i> , 2016, 163, E363-E371.	1.3	22
9	Construction of nitrogen-doped porous carbon buildings using interconnected ultra-small carbon nanosheets for ultra-high rate supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11388-11396.	5.2	151
10	Cooperative redox-active additives of anthraquinone-2,7-disulphonate and $\text{K}_4\text{Fe}(\text{CN})_6$ for enhanced performance of active carbon-based capacitors. <i>Journal of Power Sources</i> , 2016, 324, 334-341.	4.0	17
11	Activating lattice oxygen redox reactions in metal oxides to catalyse oxygen evolution. <i>Nature Chemistry</i> , 2017, 9, 457-465.	6.6	1,409
12	Next-Generation Activated Carbon Supercapacitors: A Simple Step in Electrode Processing Leads to Remarkable Gains in Energy Density. <i>Advanced Functional Materials</i> , 2017, 27, 1605745.	7.8	220
13	Redox enhanced energy storage in an aqueous high-voltage electrochemical capacitor with a potassium bromide electrolyte. <i>Journal of Power Sources</i> , 2017, 348, 219-228.	4.0	43
14	One-pot synthesis of highly activated carbons from melamine and terephthalaldehyde as electrodes for high energy aqueous supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14619-14629.	5.2	58
15	Comparative operando study of degradation mechanisms in carbon-based electrochemical capacitors with Li_2SO_4 and LiNO_3 electrolytes. <i>Carbon</i> , 2017, 120, 281-293.	5.4	46
16	Nitrogen doping in the carbon matrix for Li-ion hybrid supercapacitors: state of the art, challenges and future prospective. <i>RSC Advances</i> , 2017, 7, 18926-18936.	1.7	29
17	Electrolytes for electrochemical energy storage. <i>Materials Chemistry Frontiers</i> , 2017, 1, 584-618.	3.2	203
18	The influence of current collector corrosion on the performance of electrochemical capacitors. <i>Journal of Power Sources</i> , 2017, 368, 18-29.	4.0	52
19	Pulsed Electrochemical Mass Spectrometry for Operando Tracking of Interfacial Processes in Small-Time-Constant Electrochemical Devices such as Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41224-41232.	4.0	23

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20	Confinement of iodides in carbon porosity to prevent from positive electrode oxidation in high voltage aqueous hybrid electrochemical capacitors. <i>Carbon</i> , 2017, 125, 391-400.	5.4	30
21	Effect of the Electrolyte Alkaline Ions on the Electrochemical Performance of $\text{Ni}(\text{OH})_2$ /Activated Carbon Composites in the Hybrid Supercapacitor Cell. <i>ChemistrySelect</i> , 2017, 2, 6693-6698.	0.7	7
22	Cost-Effective Asymmetric Supercapacitors Based on Nickel Cobalt Oxide Nanoarrays and Biowaste-Derived Porous Carbon Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9903-9913.	3.2	31
23	Ultra-high surface area meso/microporous carbon formed with self-template for high-voltage aqueous supercapacitors. <i>Journal of Power Sources</i> , 2017, 365, 362-371.	4.0	28
24	High-voltage aqueous supercapacitors based on NaTFSI. <i>Sustainable Energy and Fuels</i> , 2017, 1, 2155-2161.	2.5	76
25	Integrated Cu_3N porous nanowire array electrode for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18972-18976.	5.2	40
26	Pseudocapacitive Desalination of Brackish Water and Seawater with Vanadium Pentoxide Decorated Multiwalled Carbon Nanotubes. <i>ChemSusChem</i> , 2017, 10, 3611-3623.	3.6	89
27	Gas Evolution in Activated Carbon-Based Supercapacitors with Protic Deep Eutectic Solvent as Electrolyte. <i>ChemPhysChem</i> , 2017, 18, 2364-2373.	1.0	27
28	A Combined Modeling and Experimental Study Assessing the Impact of Fluid Pulsation on Charge and Energy Efficiency in Capacitive Deionization. <i>Journal of the Electrochemical Society</i> , 2017, 164, E536-E547.	1.3	31
29	Capacitance enhancement of hybrid electrochemical capacitor with asymmetric carbon electrodes configuration in neutral aqueous electrolyte. <i>Electrochimica Acta</i> , 2018, 269, 640-648.	2.6	32
30	Mesoporous tubular graphene electrode for high performance supercapacitor. <i>Chinese Chemical Letters</i> , 2018, 29, 599-602.	4.8	21
31	Harmonizing Energy and Power Density toward 2.7 V Asymmetric Aqueous Supercapacitor. <i>Advanced Energy Materials</i> , 2018, 8, 1702630.	10.2	201
32	High performance, environmentally benign and integratable Zn/MnO_2 microbatteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3933-3940.	5.2	53
33	Rational Construction of Hollow Core-Branch CoSe_2 Nanoarrays for High-Performance Asymmetric Supercapacitor and Efficient Oxygen Evolution. <i>Small</i> , 2018, 14, 1700979.	5.2	172
34	Charge and Potential Balancing for Optimized Capacitive Deionization Using Lignin-Derived, Low-Cost Activated Carbon Electrodes. <i>ChemSusChem</i> , 2018, 11, 2101-2113.	3.6	68
35	Solid-phase synthesis and electrochemical pseudo-capacitance of nitrogen-atom interstitial compound Co_3N . <i>Sustainable Energy and Fuels</i> , 2018, 2, 1178-1188.	2.5	22
36	New Insights into the Operating Voltage of Aqueous Supercapacitors. <i>Chemistry - A European Journal</i> , 2018, 24, 3639-3649.	1.7	211
37	Tailored metallacarboranes as mediators for boosting the stability of carbon-based aqueous supercapacitors. <i>Sustainable Energy and Fuels</i> , 2018, 2, 345-352.	2.5	13

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38	Sustainable Carbon/Carbon Supercapacitors Operating Down to $\sim 40^{\circ}\text{C}$ in Aqueous Electrolyte Made with Cholinium Salt. <i>ChemSusChem</i> , 2018, 11, 975-984.	3.6	45
39	Metal sputtered graphene based hybrid films comprising tin oxide/reduced graphene oxide/Ni as electrodes for high-voltage electrochemical capacitors. <i>Carbon</i> , 2018, 129, 1-7.	5.4	7
40	Model of noise sources in supercapacitors. <i>Journal of Physics: Conference Series</i> , 2018, 1065, 102004.	0.3	0
41	Benign Solvation Effect on Electrochemical Intercalation of Triethylmethyl Ammonium into Graphite from Propylene Carbonate. <i>Journal of the Electrochemical Society</i> , 2018, 165, A4012-A4017.	1.3	6
42	Electrochemical supercapacitor with thiourea-based aqueous electrolyte. <i>Electrochemistry Communications</i> , 2018, 97, 32-36.	2.3	12
43	Graphene/transition metal dichalcogenides hybrid supercapacitor electrode: status, challenges, and perspectives. <i>Nanotechnology</i> , 2018, 29, 502001.	1.3	46
44	Towards more Durable Electrochemical Capacitors by Elucidating the Ageing Mechanisms under Different Testing Procedures. <i>ChemElectroChem</i> , 2019, 6, 566-573.	1.7	21
45	Toward high-performance $\text{Li}(\text{Ni}_x\text{Co}_y\text{Mn}_z)\text{O}_2$ cathodes: facile fabrication of an artificial polymeric interphase using functional polyacrylates. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17778-17786.	5.2	13
46	Fluorine and oxygen co-doped porous carbons derived from third-class red dates for high-performance symmetrical supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18674-18683.	1.1	15
47	Synthesis of N-doped carbon nanosheets with controllable porosity derived from bio-oil for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19653-19663.	5.2	120
48	Sustainable Utilization of Biomass Refinery Wastes for Accessing Activated Carbons and Supercapacitor Electrode Materials. <i>ChemSusChem</i> , 2018, 11, 3599-3608.	3.6	70
49	Novel nanocomposite of MnFe_2O_4 and nitrogen-doped carbon from polyaniline carbonization as electrode material for symmetric ultra-stable supercapacitor. <i>Electrochimica Acta</i> , 2018, 282, 116-127.	2.6	79
50	Effect of benzoquinone additives on the performance of symmetric carbon/carbon capacitors – electrochemical impedance study. <i>Journal of Energy Storage</i> , 2018, 18, 340-348.	3.9	6
51	Flexible asymmetric supercapacitors made of 3D porous hierarchical CuCo_2O_4 @CQDs and Fe_2O_3 @CQDs with enhanced performance. <i>Electrochimica Acta</i> , 2018, 283, 248-259.	2.6	47
52	Facile synthesis of microporous carbons with three-dimensional honeycomb-like porous structure for high performance supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 54-60.	1.9	20
53	Confined Redox Reactions of Iodide in Carbon Nanopores for Fast and Energy-Efficient Desalination of Brackish Water and Seawater. <i>ChemSusChem</i> , 2018, 11, 3460-3472.	3.6	46
54	Sandwich-like NiO/rGO nanoarchitectures for 4V solid-state asymmetric-supercapacitors with high energy density. <i>Electrochimica Acta</i> , 2018, 283, 1401-1410.	2.6	28
55	A collaborative diagnosis on mesocarbon microbeads electrodes in dual-carbon cells with non-metal electrolytes. <i>Electrochimica Acta</i> , 2018, 283, 1712-1718.	2.6	8

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56	New Trends in Electrochemical Capacitors. <i>Advances in Inorganic Chemistry</i> , 2018, 72, 247-286.	0.4	9
57	Revisited insights into charge storage mechanisms in electrochemical capacitors with Li ₂ SO ₄ -based electrolyte. <i>Energy Storage Materials</i> , 2019, 22, 1-14.	9.5	43
58	Green and sustainable zero-waste conversion of water hyacinth (<i>Eichhornia crassipes</i>) into superior magnetic carbon composite adsorbents and supercapacitor electrodes. <i>RSC Advances</i> , 2019, 9, 24248-24258.	1.7	42
59	Wide potential and high energy density for an asymmetric aqueous supercapacitor. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19017-19025.	5.2	79
60	Hierarchical Nanosheets/Walls Structured Carbon-Coated Porous Vanadium Nitride Anodes Enable Wide-Voltage Window Aqueous Asymmetric Supercapacitors with High Energy Density. <i>Advanced Science</i> , 2019, 6, 1900550.	5.6	61
61	On the cycling stability of biomass-derived carbons as electrodes in supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 803, 882-890.	2.8	25
62	Hierarchical tube-on-fiber-carbon/mixed-metal selenide nanostructures for high-performance hybrid supercapacitors. <i>Nanoscale</i> , 2019, 11, 13996-14009.	2.8	57
63	Hierarchical Storage Behavior of Tetrafluoroborate Anion in Graphite Electrodes. <i>Journal of the Electrochemical Society</i> , 2019, 166, A2349-A2356.	1.3	12
64	High-rate aqueous/ionic liquid dual electrolyte supercapacitor using 3D graphene sponge with an ultrahigh pore volume. <i>Electrochimica Acta</i> , 2019, 327, 135014.	2.6	14
65	Carbon nanofibers as thick electrodes for aqueous supercapacitors. <i>Journal of Energy Storage</i> , 2019, 26, 100981.	3.9	16
66	Solution blown polymer/biowaste derived carbon particles nanofibers: An optimization study and energy storage applications. <i>Journal of Energy Storage</i> , 2019, 26, 100962.	3.9	7
67	Quantification of the Charge Consuming Phenomena under High-Voltage Hold of Carbon/Carbon Supercapacitors by Coupling Operando and Post-Mortem Analyses. <i>Angewandte Chemie</i> , 2019, 131, 18137-18145.	1.6	1
68	Quantification of the Charge Consuming Phenomena under High-Voltage Hold of Carbon/Carbon Supercapacitors by Coupling Operando and Post-Mortem Analyses. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17969-17977.	7.2	18
69	High-Performance and Ultra-Stable Aqueous Supercapacitors Based on a Green and Low-Cost Water-In-Salt Electrolyte. <i>ChemElectroChem</i> , 2019, 6, 5433-5438.	1.7	60
70	Effect of radiation on the performance of activated carbon base supercapacitor: Part II. Influence of electron irradiation exposure on full cell. <i>Energy Procedia</i> , 2019, 158, 4560-4565.	1.8	0
71	In situ mass change and gas analysis of 3D manganese oxide/graphene aerogel for supercapacitors. <i>RSC Advances</i> , 2019, 9, 28569-28575.	1.7	18
72	Effect of Structural Orientation on the Performance of Supercapacitor Electrodes from Electrospun Coal-Derived Carbon Nanofibers (CCNFs). <i>Journal of the Electrochemical Society</i> , 2019, 166, A3294-A3304.	1.3	24
73	Enhanced oxygen evolution performance of spinel Fe _{0.1} Ni _{0.9} Co ₂ O ₄ /Activated carbon composites. <i>Electrochimica Acta</i> , 2019, 326, 134986.	2.6	14

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74	High cell-potential and high-rate neutral aqueous supercapacitors using activated biocarbon: In situ electrochemical gas chromatography. <i>Electrochimica Acta</i> , 2019, 313, 31-40.	2.6	9
75	Reduced Faradaic Contributions and Fast Charging of Nanoporous Carbon Electrodes in a Concentrated Sodium Nitrate Aqueous Electrolyte for Supercapacitors. <i>Energy Technology</i> , 2019, 7, 1900430.	1.8	20
76	Redox activity of selenocyanate anion in electrochemical capacitor application. <i>Synthetic Metals</i> , 2019, 253, 62-72.	2.1	22
77	MnO ₂ nanosheet-coated Co ₃ O ₄ complex for 1.4 V extra-high voltage supercapacitors electrode material. <i>Journal of Power Sources</i> , 2019, 431, 48-54.	4.0	56
78	High-energy hybrid electrochemical capacitor operating down to ~40 °C with aqueous redox electrolyte based on choline salts. <i>Journal of Power Sources</i> , 2019, 427, 283-292.	4.0	24
79	Metal-organic framework derived hierarchical copper cobalt sulfide nanosheet arrays for high-performance solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8620-8632.	5.2	129
80	Supercapacitors (electrochemical capacitors). , 2019, , 383-427.		6
81	Optimizing carbon/carbon supercapacitors in aqueous alkali sulfates electrolytes. <i>Journal of Energy Chemistry</i> , 2019, 38, 219-224.	7.1	34
82	Reclaimed Carbon Fiber-Based 2.4 V Aqueous Symmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5095-5102.	3.2	35
83	Oxygen-vacancy Bi ₂ O ₃ nanosheet arrays with excellent rate capability and CoNi ₂ S ₄ nanoparticles immobilized on N-doped graphene nanotubes as robust electrode materials for high-energy asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7918-7931.	5.2	92
84	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
85	2.5 V salt-in-water supercapacitors based on alkali type double salt/carbon composite anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26011-26019.	5.2	16
86	Methods of trend removal in electrochemical noise data – Overview. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 131, 569-581.	2.5	60
87	Fabricating an Aqueous Symmetric Supercapacitor with a Stable High Working Voltage of 2 V by Using an Alkaline-Acidic Electrolyte. <i>Advanced Science</i> , 2019, 6, 1801665.	5.6	124
88	N-doped carbons with hierarchically micro- and mesoporous structure derived from sawdust for high performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 323-333.	2.2	50
89	Redox-electrolytes for non-flow electrochemical energy storage: A critical review and best practice. <i>Progress in Materials Science</i> , 2019, 101, 46-89.	16.0	111
90	Membrane-free electrochemical deoxygenation of aqueous solutions using symmetric activated carbon electrodes in flow-through cells. <i>Electrochimica Acta</i> , 2019, 297, 163-172.	2.6	8
91	2.2V high performance symmetrical fiber-shaped aqueous supercapacitors enabled by seawater-in-salt gel electrolyte and N-Doped graphene fiber. <i>Energy Storage Materials</i> , 2020, 24, 495-503.	9.5	71

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93	Investigating the effects of activating agent morphology on the porosity and related capacitance of nanoporous carbons. <i>CrystEngComm</i> , 2020, 22, 1560-1567.	1.3	9
94	Interfacial aspects induced by saturated aqueous electrolytes in electrochemical capacitor applications. <i>Electrochimica Acta</i> , 2020, 334, 135572.	2.6	23
95	2.6 V aqueous symmetric supercapacitors based on phosphorus-doped TiO ₂ nanotube arrays. <i>Dalton Transactions</i> , 2020, 49, 1785-1793.	1.6	12
96	Evaluation of the operating potential window of electrochemical capacitors. <i>Electrochimica Acta</i> , 2020, 332, 135503.	2.6	26
97	Heavy Water Enables High-Voltage Aqueous Electrochemistry via the Deuterium Isotope Effect. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 303-310.	2.1	14
98	A rational experimental approach to identify correctly the working voltage window of aqueous-based supercapacitors. <i>Scientific Reports</i> , 2020, 10, 19195.	1.6	35
99	Promising Co/NC nanocomposite electrode material derived from zeolitic imidazolate framework for high performance and durable aqueous symmetric supercapacitor. <i>Journal of Energy Storage</i> , 2020, 32, 101969.	3.9	1
100	Fabrication of all-solid-state textile supercapacitors based on industrial-grade multi-walled carbon nanotubes for enhanced energy storage. <i>Journal of Materials Science</i> , 2020, 55, 10121-10141.	1.7	20
101	Self-discharge and leakage current mitigation of neutral aqueous-based supercapacitor by means of liquid crystal additive. <i>Journal of Power Sources</i> , 2020, 453, 227897.	4.0	73
102	Highly Sensitive Operando Pressure Measurements of Li-ion Battery Materials with a Simply Modified Swagelok Cell. <i>Journal of the Electrochemical Society</i> , 2020, 167, 110511.	1.3	3
103	Wide potential window TiO ₂ @carbon cloth and high capacitance MnO ₂ @carbon cloth for the construction of a 2.6V high-performance aqueous asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2020, 469, 228425.	4.0	50
104	Fabrication of NiHPO ₃ ·H ₂ O nanorods as cathode material for aqueous asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020, 843, 155921.	2.8	7
105	Influence of structures and functional groups of carbon on working potentials of supercapacitors in neutral aqueous electrolyte: In situ differential electrochemical mass spectrometry. <i>Journal of Energy Storage</i> , 2020, 29, 101379.	3.9	13
106	Tracking ion intercalation into layered Ti ₃ C ₂ MXene films across length scales. <i>Energy and Environmental Science</i> , 2020, 13, 2549-2558.	15.6	100
107	Pseudocapacitive quantum dots confined in sacrificial g-C ₃ N ₄ derived carbon nanosheets for high performance ionic liquid-based supercapacitors. <i>Materials Letters</i> , 2020, 266, 127498.	1.3	7
108	Activated Carbon by One-Step Calcination of Deoxygenated Agar for High Voltage Lithium Ion Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3637-3643.	3.2	31
109	Explanation of anomalous rate capability enhancement by manganese oxide incorporation in carbon nanofiber electrodes for electrochemical capacitors. <i>Electrochimica Acta</i> , 2020, 340, 135921.	2.6	10

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111	Towards an optimized hybrid electrochemical capacitor in iodide based aqueous redox-electrolyte: Shift of equilibrium potential by electrodes mass-balancing. <i>Electrochimica Acta</i> , 2020, 337, 135785.	2.6	17
112	Amorphous nickel sulfide nanoparticles anchored on N-doped graphene nanotubes with superior properties for high-performance supercapacitors and efficient oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 4655-4666.	2.8	29
113	Achieving a 2.7 V aqueous hybrid supercapacitor by the pH-regulation of electrolyte. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8648-8660.	5.2	29
114	Bio-inspired Mn ₃ O ₄ @N, P-doped carbon cathode for 2.6 V flexible aqueous asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 407, 126874.	6.6	24
115	Combined DFT and experiment: Stabilizing the electrochemical interfaces via boron Lewis acids. <i>Journal of Energy Chemistry</i> , 2021, 59, 100-107.	7.1	12
116	Recent progress in carbon-based materials for supercapacitor electrodes: a review. <i>Journal of Materials Science</i> , 2021, 56, 173-200.	1.7	474
117	A high-voltage quasi-solid-state flexible supercapacitor with a wide operational temperature range based on a low-cost "seawater-in-salt" hydrogel electrolyte. <i>Nanoscale</i> , 2021, 13, 3010-3018.	2.8	65
118	Peculiar role of the electrolyte viscosity in the electrochemical capacitor performance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8644-8654.	5.2	18
119	Monitoring the active sites for the hydrogen evolution reaction at model carbon surfaces. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10051-10058.	1.3	21
120	Investigation of Voltage Range and Self-Discharge in Aqueous Zinc-Ion Hybrid Supercapacitors. <i>ChemSusChem</i> , 2021, 14, 1700-1709.	3.6	51
121	A new environmentally friendly gel polymer electrolyte based on cotton-PVA composited membrane for alkaline supercapacitors with increased operating voltage. <i>Journal of Materials Science</i> , 2021, 56, 11027-11043.	1.7	13
122	Anti-corrosive siloxane coatings for improved long-term performance of supercapacitors with an aqueous electrolyte. <i>Electrochimica Acta</i> , 2021, 372, 137840.	2.6	18
123	W18O49 nanowires-graphene nanocomposite for asymmetric supercapacitors employing AlCl ₃ aqueous electrolyte. <i>Chemical Engineering Journal</i> , 2021, 409, 128216.	6.6	72
124	Screening electrolytes designed for high voltage electrochemical capacitors. <i>Electrochimica Acta</i> , 2021, 374, 137898.	2.6	3
125	High-Density Lignin-Derived Carbon Nanofiber Supercapacitors with Enhanced Volumetric Energy Density. <i>Advanced Science</i> , 2021, 8, e2100016.	5.6	42
127	Water/acetonitrile hybrid electrolyte enables using smaller ions for achieving superior energy density in carbon-based supercapacitors. <i>Journal of Power Sources</i> , 2021, 498, 229905.	4.0	8
128	Aging processes in high voltage lithium-ion capacitors containing liquid and gel-polymer electrolytes. <i>Journal of Power Sources</i> , 2021, 496, 229797.	4.0	7

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129	Strategy to assess the carbon electrode modifications associated with the high voltage ageing of electrochemical capacitors in organic electrolyte. <i>Energy Storage Materials</i> , 2021, 38, 17-29.	9.5	14
130	1.8 V Aqueous Symmetric Carbon-Based Supercapacitors with Agarose-Bound Activated Carbons in an Acidic Electrolyte. <i>Nanomaterials</i> , 2021, 11, 1731.	1.9	18
131	Energy-Dense Aqueous Carbon/Carbon Supercapacitor with a Wide Voltage Window. <i>Journal of the Electrochemical Society</i> , 2021, 168, 070538.	1.3	9
132	Low-Crystalline Akhtenskite MnO ₂ -Based Aqueous Magnesium-Ion Hybrid Supercapacitors with a Superior Energy Density Boosted by Redox Bromide-Ion Additive Electrolytes. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9165-9176.	3.2	21
133	Fiber-Shaped Electronic Devices. <i>Advanced Energy Materials</i> , 2021, 11, 2101443.	10.2	74
134	Thermodynamic and kinetic examination of the glassy carbon electrode in neutral aqueous electrolytes. <i>Journal of Power Sources Advances</i> , 2021, 10, 100062.	2.6	4
135	Probing the <i>In Situ</i> Pseudocapacitive Charge Storage in Ti ₃ C ₂ MXene Thin Films with X-ray Reflectivity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43597-43605.	4.0	8
136	Graphene Fiber-Based Wearable Supercapacitors: Recent Advances in Design, Construction, and Application. <i>Small Methods</i> , 2021, 5, e2100502.	4.6	33
137	Direct chemical synthesis of interlaced NiMn-LDH nanosheets on LSTN perovskite decorated Ni foam for high-performance supercapacitors. <i>Surface and Coatings Technology</i> , 2021, 421, 127455.	2.2	17
138	Agar-based porous electrode and electrolyte for flexible symmetric supercapacitors with ultrahigh energy density. <i>Journal of Power Sources</i> , 2021, 507, 230252.	4.0	44
139	Enhancing capacitor lifetime by alternate constant polarization. <i>Journal of Power Sources</i> , 2021, 506, 230131.	4.0	7
140	Measurement of gas pressure in packaged electric double layer capacitors. <i>Journal of Power Sources</i> , 2021, 509, 230366.	4.0	4
141	Hierarchical Zn-Co-S Nanowires as Advanced Electrodes for All Solid State Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1702014.	10.2	199
142	Redox Activity of Bromides in Carbon-Based Electrochemical Capacitors. <i>Batteries and Supercaps</i> , 2020, 3, 1080-1090.	2.4	5
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