

Elzbieta Frackowiak

List of Publications by Year in descending order

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185
papers

26,625
citations

14655

66
h-index

5829

161
g-index

209
all docs

209
docs citations

209
times ranked

19362
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon materials for the electrochemical storage of energy in capacitors. Carbon, 2001, 39, 937-950.	10.3	4,099
2	Carbons and Electrolytes for Advanced Supercapacitors. Advanced Materials, 2014, 26, 2219-2251.	21.0	2,152
3	Carbon materials for supercapacitor application. Physical Chemistry Chemical Physics, 2007, 9, 1774.	2.8	1,772
4	Electrochemical storage of energy in carbon nanotubes and nanostructured carbons. Carbon, 2002, 40, 1775-1787.	10.3	1,011
5	Supercapacitors based on conducting polymers/nanotubes composites. Journal of Power Sources, 2006, 153, 413-418.	7.8	885
6	Determination of the specific capacitance of conducting polymer/nanotubes composite electrodes using different cell configurations. Electrochimica Acta, 2005, 50, 2499-2506.	5.2	718
7	Novel insight into neutral medium as electrolyte for high-voltage supercapacitors. Energy and Environmental Science, 2012, 5, 5842-5850.	30.8	695
8	Electrochemical energy storage in ordered porous carbon materials. Carbon, 2005, 43, 1293-1302.	10.3	658
9	Supercapacitor electrodes from multiwalled carbon nanotubes. Applied Physics Letters, 2000, 77, 2421-2423.	3.3	652
10	Carbon nanotubes and their composites in electrochemical applications. Energy and Environmental Science, 2011, 4, 1592.	30.8	535
11	Supercapacitors from nanotubes/polypyrrole composites. Chemical Physics Letters, 2001, 347, 36-40.	2.6	488
12	Capacitance properties of poly(3,4-ethylenedioxythiophene)/carbon nanotubes composites. Journal of Physics and Chemistry of Solids, 2004, 65, 295-301.	4.0	485
13	Electrochemical storage of lithium in multiwalled carbon nanotubes. Carbon, 1999, 37, 61-69.	10.3	428
14	Templated mesoporous carbons for supercapacitor application. Electrochimica Acta, 2005, 50, 2799-2805.	5.2	399
15	Electrochemical capacitors based on highly porous carbons prepared by KOH activation. Electrochimica Acta, 2004, 49, 515-523.	5.2	396
16	Performance of Manganese Oxide/CNTs Composites as Electrode Materials for Electrochemical Capacitors. Journal of the Electrochemical Society, 2005, 152, A229.	2.9	361
17	High-voltage asymmetric supercapacitors operating in aqueous electrolyte. Applied Physics A: Materials Science and Processing, 2006, 82, 567-573.	2.3	339
18	Effect of nitrogen in carbon electrode on the supercapacitor performance. Chemical Physics Letters, 2005, 404, 53-58.	2.6	334

#	ARTICLE	IF	CITATIONS
19	Nanotubular materials for supercapacitors. <i>Journal of Power Sources</i> , 2001, 97-98, 822-825.	7.8	317
20	Optimisation of supercapacitors using carbons with controlled nanotexture and nitrogen content. <i>Electrochimica Acta</i> , 2006, 51, 2209-2214.	5.2	308
21	Effect of pore size distribution of coal-based activated carbons on double layer capacitance. <i>Electrochimica Acta</i> , 2005, 50, 1197-1206.	5.2	300
22	Towards the mechanism of electrochemical hydrogen storage in nanostructured carbon materials. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 981-987.	2.3	299
23	A Self-Supporting Electrode for Supercapacitors Prepared by One-Step Pyrolysis of Carbon Nanotube/Polyacrylonitrile Blends. <i>Advanced Materials</i> , 2005, 17, 2380-2384.	21.0	298
24	Carbon/carbon supercapacitors. <i>Journal of Energy Chemistry</i> , 2013, 22, 226-240.	12.9	275
25	Enhanced capacitance of carbon nanotubes through chemical activation. <i>Chemical Physics Letters</i> , 2002, 361, 35-41.	2.6	267
26	Carbon science in 2016: Status, challenges and perspectives. <i>Carbon</i> , 2016, 98, 708-732.	10.3	261
27	Sustainable materials for electrochemical capacitors. <i>Materials Today</i> , 2018, 21, 437-454.	14.2	255
28	Supercapacitor based on activated carbon and polyethylene oxideâ€“KOHâ€“H ₂ O polymer electrolyte. <i>Electrochimica Acta</i> , 2001, 46, 2777-2780.	5.2	248
29	Striking capacitance of carbon/iodide interface. <i>Electrochemistry Communications</i> , 2009, 11, 87-90.	4.7	248
30	Nanotubes based composites rich in nitrogen for supercapacitor application. <i>Electrochemistry Communications</i> , 2007, 9, 1828-1832.	4.7	239
31	Improvement of the structural and chemical properties of a commercial activated carbon for its application in electrochemical capacitors. <i>Electrochimica Acta</i> , 2008, 53, 2210-2216.	5.2	222
32	Capacitance properties of ordered porous carbon materials prepared by a templating procedure. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 287-293.	4.0	218
33	In vitro studies of carbon nanotubes biocompatibility. <i>Carbon</i> , 2006, 44, 1106-1111.	10.3	206
34	Ageing phenomena in high-voltage aqueous supercapacitors investigated by in situ gas analysis. <i>Energy and Environmental Science</i> , 2016, 9, 623-633.	30.8	204
35	Redox-active electrolyte for supercapacitor application. <i>Faraday Discussions</i> , 2014, 172, 179-198.	3.2	177
36	Room-temperature phosphonium ionic liquids for supercapacitor application. <i>Applied Physics Letters</i> , 2005, 86, 164104.	3.3	169

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37	Supercapacitor electrodes from new ordered porous carbon materials obtained by a templating procedure. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 108, 148-155.	3.5	168
38	Alkali metal iodide/carbon interface as a source of pseudocapacitance. <i>Electrochemistry Communications</i> , 2011, 13, 38-41.	4.7	166
39	The HSAB concept as a means to interpret the adsorption of metal ions onto activated carbons. <i>Applied Surface Science</i> , 2004, 228, 84-92.	6.1	164
40	Effect of binder on the performance of carbon/carbon symmetric capacitors in salt aqueous electrolyte. <i>Electrochimica Acta</i> , 2014, 140, 132-138.	5.2	152
41	Electrochemistry Serving People and Nature: High-Energy Ecocapacitors based on Redox-Active Electrolytes. <i>ChemSusChem</i> , 2012, 5, 1181-1185.	6.8	148
42	Carbons with narrow pore size distribution prepared by simultaneous carbonization and self-activation of tobacco stems and their application to supercapacitors. <i>Carbon</i> , 2015, 81, 148-157.	10.3	144
43	Triethylammonium bis(tetrafluoromethylsulfonyl)amide protic ionic liquid as an electrolyte for electrical double-layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8199.	2.8	126
44	Nanotubular materials as electrodes for supercapacitors. <i>Fuel Processing Technology</i> , 2002, 77-78, 213-219.	7.2	125
45	Carbon nanotubes with Pt-Ru catalyst for methanol fuel cell. <i>Electrochemistry Communications</i> , 2006, 8, 129-132.	4.7	123
46	Carbon/Layered Double Hydroxide (LDH) Composites for Supercapacitor Application. <i>Energy & Fuels</i> , 2010, 24, 3346-3351.	5.1	120
47	Unusual energy enhancement in carbon-based electrochemical capacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 24213.	6.7	115
48	Correlation of the irreversible lithium capacity with the active surface area of modified carbons. <i>Carbon</i> , 2005, 43, 2160-2167.	10.3	112
49	The first in situ ⁷ Li nuclear magnetic resonance study of lithium insertion in hard-carbon anode materials for Li-ion batteries. <i>Journal of Chemical Physics</i> , 2003, 118, 6038-6045.	3.0	111
50	High surface area carbon nanotubes prepared by chemical activation. <i>Carbon</i> , 2002, 40, 1614-1617.	10.3	107
51	Fabrication of network films of conducting polymer-linked polyoxometallate-stabilized carbon nanostructures. <i>Electrochimica Acta</i> , 2006, 51, 2373-2379.	5.2	101
52	Supercapacitors based on carbon materials and ionic liquids. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1074-1082.	0.6	100
53	Electrochemical properties of supercapacitors operating in aqueous electrolyte with surfactants. <i>Electrochimica Acta</i> , 2010, 55, 7484-7488.	5.2	97
54	Electrochemical performance of a hybrid lithium-ion capacitor with a graphite anode preloaded from lithium bis(trifluoromethane)sulfonimide-based electrolyte. <i>Electrochimica Acta</i> , 2012, 86, 282-286.	5.2	97

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55	State of hydrogen electrochemically stored using nanoporous carbons as negative electrode materials in an aqueous medium. <i>Carbon</i> , 2006, 44, 2392-2398.	10.3	96
56	Electrochemical insertion of lithium in catalytic multi-walled carbon nanotubes. <i>Journal of Power Sources</i> , 1999, 81-82, 317-322.	7.8	89
57	In Situ ⁷ Li-Nuclear Magnetic Resonance Observation of Reversible Lithium Insertion into Disordered Carbons. <i>Electrochemical and Solid-State Letters</i> , 2003, 6, A225.	2.2	88
58	Enhancement of Reversible Hydrogen Capacity into Activated Carbon through Water Electrolysis. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, A27.	2.2	84
59	Supercapacitors: Carbons and Electrolytes for Advanced Supercapacitors (<i>Adv. Mater.</i> 14/2014). <i>Advanced Materials</i> , 2014, 26, 2283-2283.	21.0	81
60	Carbon science perspective in 2020: Current research and future challenges. <i>Carbon</i> , 2020, 161, 373-391.	10.3	77
61	Interfacial Redox Phenomena for Enhanced Aqueous Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5140-A5147.	2.9	75
62	Reline deep eutectic solvent as a green electrolyte for electrochemical energy storage applications. <i>Energy and Environmental Science</i> , 2022, 15, 1156-1171.	30.8	74
63	Carbon materials modified by plasma treatment as electrodes for supercapacitors. <i>Journal of Power Sources</i> , 2010, 195, 7535-7539.	7.8	73
64	High performance of symmetric micro-supercapacitors based on silicon nanowires using N-methyl-N-propylpyrrolidinium bis(trifluoromethylsulfonyl)imide as electrolyte. <i>Nano Energy</i> , 2014, 9, 273-281.	16.0	71
65	Hybrid materials for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 811-816.	2.5	70
66	Effect of various porous nanotextures on the reversible electrochemical sorption of hydrogen in activated carbons. <i>Electrochimica Acta</i> , 2006, 51, 2161-2167.	5.2	67
67	Synthesis and Properties of Trigeminal Tricationic Ionic Liquids. <i>Chemistry - A European Journal</i> , 2007, 13, 3106-3112.	3.3	67
68	High Yield of Pure Multiwalled Carbon Nanotubes from the Catalytic Decomposition of Acetylene on in Situ Formed Cobalt Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 481-484.	0.9	66
69	Around the thermodynamic limitations of supercapacitors operating in aqueous electrolytes. <i>Electrochimica Acta</i> , 2016, 206, 496-503.	5.2	66
70	The first in situ ⁷ Li NMR study of the reversible lithium insertion mechanism in disorganised carbons. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 245-251.	4.0	64
71	Structural and electrochemical characterisation of nitrogen enriched carbons produced by the co-pyrolysis of coal-tar pitch with polyacrylonitrile. <i>Electrochimica Acta</i> , 2004, 49, 423-432.	5.2	64
72	Electrochemical storage of hydrogen in activated carbons. <i>Fuel Processing Technology</i> , 2002, 77-78, 415-421.	7.2	59

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73	Thermodynamic properties of benzene adsorbed in activated carbons and multi-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2006, 421, 409-414.	2.6	59
74	Carbon-based electrochemical capacitors with acetate aqueous electrolytes. <i>Electrochimica Acta</i> , 2016, 215, 179-186.	5.2	57
75	Self-buffered pH at carbon surfaces in aqueous supercapacitors. <i>Carbon</i> , 2018, 129, 758-765.	10.3	56
76	Carbon/graphene-MnO ₂ composites for supercapacitor electrodes. <i>Journal of Solid State Chemistry</i> , 2010, 183, 969-974.	2.9	55
77	Agar-based aqueous electrolytes for electrochemical capacitors with reduced self-discharge. <i>Electrochimica Acta</i> , 2020, 332, 135435.	5.2	54
78	Enhancement of the carbon electrode capacitance by brominated hydroquinones. <i>Journal of Power Sources</i> , 2016, 326, 587-594.	7.8	52
79	Redox active electrolytes in carbon/carbon electrochemical capacitors. <i>Current Opinion in Electrochemistry</i> , 2018, 9, 95-105.	4.8	52
80	Strategies for enhancing the performance of carbon/carbon supercapacitors in aqueous electrolytes. <i>Electrochimica Acta</i> , 2014, 128, 210-217.	5.2	48
81	Sustainable AC/AC hybrid electrochemical capacitors in aqueous electrolyte approaching the performance of organic systems. <i>Journal of Power Sources</i> , 2016, 326, 652-659.	7.8	48
82	A better understanding of the irreversible lithium insertion mechanisms in disordered carbons. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 211-217.	4.0	47
83	Comparative operando study of degradation mechanisms in carbon-based electrochemical capacitors with Li ₂ SO ₄ and LiNO ₃ electrolytes. <i>Carbon</i> , 2017, 120, 281-293.	10.3	46
84	Effect of surfactants on capacitance properties of carbon electrodes. <i>Electrochimica Acta</i> , 2012, 60, 206-212.	5.2	45
85	High performance supercapacitor from chromium oxide-nanotubes based electrodes. <i>Chemical Physics Letters</i> , 2007, 434, 73-77.	2.6	43
86	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.	18.0	43
87	Engaging nanoporous carbons in "beyond adsorption" applications: Characterization, challenges and performance. <i>Carbon</i> , 2020, 164, 69-84.	10.3	41
88	The effect of halide ion concentration on capacitor performance. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 439-445.	2.9	40
89	Comparative Study of Two Protic Ionic Liquids as Electrolyte for Electrical Double-Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2014, 161, A228-A238.	2.9	39
90	Influence of aqueous electrolyte concentration on parasitic reactions in high-voltage electrochemical capacitors. <i>Energy Storage Materials</i> , 2016, 5, 111-115.	18.0	39

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91	An efficient two-step process for producing opened multi-walled carbon nanotubes of high purity. <i>Chemical Physics Letters</i> , 2005, 404, 374-378.	2.6	37
92	Sorption and desorption of lithium ions from activated carbons. <i>Carbon</i> , 1996, 34, 481-487.	10.3	35
93	Effects of post-treatments on the performance of hard carbons in lithium cells. <i>Journal of Power Sources</i> , 2001, 97-98, 143-145.	7.8	31
94	Influence of the Pyrolysis Conditions on the Nature of Lithium Inserted in Hard Carbons. <i>Journal of Physical Chemistry A</i> , 2001, 105, 5794-5800.	2.5	30
95	Pseudocapacitance Effects for Enhancement of Capacitor Performance. <i>Fuel Cells</i> , 2010, 10, 848-855.	2.4	30
96	Ageing mechanisms in electrochemical capacitors with aqueous redox-active electrolytes. <i>Electrochimica Acta</i> , 2019, 311, 211-220.	5.2	30
97	Hybrid aqueous capacitors with improved energy/power performance. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 642-649.	4.4	29
98	Electrochemical capacitor with water-based electrolyte operating at wide temperature range. <i>Journal of Power Sources</i> , 2019, 414, 183-191.	7.8	29
99	Electrochemical capacitors as attractive power sources. <i>Solid State Ionics</i> , 2014, 265, 61-67.	2.7	28
100	Mechanisms of the performance fading of carbon-based electrochemical capacitors operating in a LiNO ₃ electrolyte. <i>Journal of Power Sources</i> , 2019, 438, 227029.	7.8	27
101	Template-derived high surface area γ -MnO ₂ for supercapacitor applications. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 123-132.	2.9	26
102	Specific carbon/iodide interactions in electrochemical capacitors monitored by EQCM technique. <i>Energy and Environmental Science</i> , 2021, 14, 2381-2393.	30.8	25
103	Passivation of zinc in alkaline solution effected by chromates and CrO ₃ –graphite system. <i>Journal of Power Sources</i> , 1998, 73, 175-181.	7.8	23
104	Determination of the space between closed multiwalled carbon nanotubes by GCMC simulation of nitrogen adsorption. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 442-448.	9.4	23
105	Interfacial aspects induced by saturated aqueous electrolytes in electrochemical capacitor applications. <i>Electrochimica Acta</i> , 2020, 334, 135572.	5.2	23
106	Clay/Carbon Nanocomposites as Precursors of Electrode Materials for Lithium-Ion Batteries and Supercapacitors. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 449-454.	0.3	22
107	Mechanism of lithium electrosorption by activated carbons. <i>Electrochimica Acta</i> , 2002, 47, 1545-1553.	5.2	22
108	Fuel cell testing of Pt–Ru catalysts supported on differently prepared and pretreated carbon nanotubes. <i>Electrochimica Acta</i> , 2013, 98, 94-103.	5.2	22

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109	Towards sustainable power sources: chitin-bound carbon electrodes for electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22923-22930.	10.3	22
110	Synergy of components in supercapacitors based on nanotube/polypyrrole composites. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 387, 73-78.	0.9	21
111	Towards more Durable Electrochemical Capacitors by Elucidating the Ageing Mechanisms under Different Testing Procedures. <i>ChemElectroChem</i> , 2019, 6, 566-573.	3.4	21
112	Lithium insertion into boron containing carbons prepared by co-pyrolysis of coalâ€‘tar pitch and boraneâ€‘pyridine complex. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 153-158.	4.0	20
113	Electrochemical capacitors operating in aqueous electrolyte with volumetric characteristics improved by sustainable templating of electrode materials. <i>Electrochimica Acta</i> , 2020, 338, 135788.	5.2	20
114	Link between Alkali Metals in Salt Templates and in Electrolytes for Improved Carbon-Based Electrochemical Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2584-2599.	8.0	20
115	Annealing of template nanotubes to well-graphitized multi-walled carbon nanotubes. <i>Carbon</i> , 2006, 44, 814-818.	10.3	19
116	Application of the rotating disk electrode for the investigation of polycrystalline zinc in concentrated alkaline solutions with admixture of polyethylene glycol. <i>Electrochimica Acta</i> , 1988, 33, 441-443.	5.2	18
117	Vanadium-oxygen cell for positive electrolyte discharge in dual-circuit vanadium redox flow battery. <i>Journal of Power Sources</i> , 2019, 439, 227075.	7.8	17
118	Supercapacitor with Carbon/MoS2 Composites. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	16
119	Continuous fast Fourier transform admittance voltammetry as a new approach for studying the change in morphology of polyaniline for supercapacitors application. <i>RSC Advances</i> , 2015, 5, 84076-84083.	3.6	15
120	Selenocyanate-based ionic liquid as redox-active electrolyte for hybrid electrochemical capacitors. <i>Electrochimica Acta</i> , 2019, 314, 1-8.	5.2	15
121	Lithium Insertion in Carbon Nanotubes. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 547-552.	0.3	14
122	Electrochemical performance of silicon nanostructures in low-temperature ionic liquids for microelectronic applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22708-22716.	10.3	14
123	Novel carbons from nanocomposites for high lithium storage. <i>Journal of Power Sources</i> , 1999, 81-82, 323-327.	7.8	13
124	Electrical Double-Layer Capacitors and Pseudocapacitors. <i>Advanced Materials and Technologies</i> , 2009, , 329-375.	0.4	13
125	Electrochemical polarization of activated carbons for the reversible sorption of lithium ions. <i>Fuel</i> , 1998, 77, 571-575.	6.4	11
126	Carbon electrodes for energy storage: general discussion. <i>Faraday Discussions</i> , 2014, 172, 239-260.	3.2	11

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127	Fast response supercapacitor based on carbon-VS2 electrodes with a wide operating voltage range. <i>Energy Storage Materials</i> , 2022, 49, 255-267.	18.0	10
128	Nanoporous H-sorbed carbon as anode of secondary cell. <i>Journal of Power Sources</i> , 2009, 188, 617-620.	7.8	9
129	Correlation of hydrogen capacity in carbon material with the parameters of electrosorption. <i>Open Chemistry</i> , 2011, 9, 20-24.	1.9	9
130	New Trends in Electrochemical Capacitors. <i>Advances in Inorganic Chemistry</i> , 2018, 72, 247-286.	1.0	9
131	High Yield of Pure Multiwalled Carbon Nanotubes from the Catalytic Decomposition of Acetylene on in Situ Formed Cobalt Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 481-484.	0.9	9
132	Operando monitoring of activated carbon electrodes operating with aqueous electrolytes. <i>Energy Storage Materials</i> , 2022, 49, 518-528.	18.0	9
133	Anticorrosive performance of green deep eutectic solvent for electrochemical capacitor. <i>Chemical Engineering Journal</i> , 2022, 444, 136594.	12.7	9
134	Lithium insertion/deinsertion of boron doped graphitic carbons synthesized by different procedure. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1179-1181.	4.0	8
135	Determination of accurate electrode contribution during voltammetry scan of electrochemical capacitors. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2135-2139.	2.5	8
136	The influence of polyethylene glycol on some properties of zinc electrodes. <i>Electrochimica Acta</i> , 1984, 29, 1359-1363.	5.2	7
137	Electrochemical Redox Capacity of Thermally Exfoliated Graphite in Sulfuric Acid. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 244, 221-226.	0.3	7
138	Interaction between electroconducting polymers and C60. <i>Journal of Physics and Chemistry of Solids</i> , 1996, 57, 983-989.	4.0	7
139	Guest-host interaction in energy storage systems. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 692-695.	4.0	7
140	The Carbon/Iodide Interface in Protic Ionic Liquid Medium for Application in Supercapacitors. <i>ECS Transactions</i> , 2014, 61, 21-30.	0.5	7
141	Enhancing capacitor lifetime by alternate constant polarization. <i>Journal of Power Sources</i> , 2021, 506, 230131.	7.8	7
142	Redox activity from the electrolyte and electrode in electrochemical capacitors. <i>Electrochemistry Communications</i> , 2022, 138, 107289.	4.7	7
143	HOPG as a host for redox reactions with FeCl ₄ ⁻ in water medium. <i>Synthetic Metals</i> , 1995, 73, 27-32.	3.9	6
144	Electrochemical synthesis of iron supported on exfoliated graphite. <i>Journal of Physics and Chemistry of Solids</i> , 1996, 57, 841-847.	4.0	6

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145	Value Quantification of Electrochemical Capacitor Active Material. Journal of the Electrochemical Society, 2017, 164, A2732-A2737.	2.9	6
146	Electrochemical Capacitor Performance of Nanotextured Carbon/Transition Metal Dichalcogenides Composites. Small, 2021, 17, e2006821.	10.0	6
147	Electrochemical Application of Carbon Nanotubes. , 2003, , 305-318.		6
148	Nanotextured Carbons for Electrochemical Energy Storage. , 2006, , .		6
149	Mechanism of Lithium Insertion in Different Kinds of Carbons. Molecular Crystals and Liquid Crystals, 1998, 310, 359-364.	0.3	5
150	DEVELOPMENT OF SUPERCAPACITORS BASED ON CONDUCTING POLYMERS. , 2006, , 41-50.		5
151	Redox Activity of Bromides in Carbonâ€Based Electrochemical Capacitors. Batteries and Supercaps, 2020, 3, 1080-1090.	4.7	5
152	Influence of Pyrolysis Conditions on the Performance of Hard Carbons as Anodes for Lithium Batteries. Molecular Crystals and Liquid Crystals, 2000, 340, 431-436.	0.3	4
153	Boronated mesophase pitch coke for lithium insertion. Journal of Power Sources, 2001, 97-98, 140-142.	7.8	4
154	Carbon Nanotubes as Backbones for Composite Electrodes of Supercapacitors. AIP Conference Proceedings, 2004, , .	0.4	4
155	Electrode/Electrolyte Interface with Various Redox Couples. ECS Transactions, 2014, 61, 1-8.	0.5	4
156	The many faces of carbon in electrochemistry: general discussion. Faraday Discussions, 2014, 172, 117-137.	3.2	4
157	NOVEL CARBONACEOUS MATERIALS FOR APPLICATION IN THE ELECTROCHEMICAL SUPERCAPACITORS. , 2006, , 5-20.		4
158	Advantages of Electrochemical Hydrogen Storage over Gas Adsorption in Nanoporous Carbons. European Journal of Control, 2005, 30, 531-539.	2.6	4
159	Influence of polyaniline on electrode materials. Advanced Materials for Optics and Electronics, 1998, 8, 303-308.	0.4	3
160	The effect of 1,2-dimethoxyethane on the storage and performance of lithium cells with MnO ₂ and (CF) cathodes. Journal of Power Sources, 1998, 72, 174-177.	7.8	3
161	Capacitance properties of carbon nanotubes. , 1999, , .		3
162	Quinone/hydroquinone redox couple as a source of enormous capacitance of activated carbon electrodes. Materials Research Society Symposia Proceedings, 2013, 1505, 1.	0.1	3

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163	Electrochemical capacitor materials based on carbon and luminophors doped with lanthanide ions. Journal Physics D: Applied Physics, 2017, 50, 415502.	2.8	3
164	Carbon Fluoride Cathode for Lithium Cells. , 1996, , 85-100.		3
165	Polypropylene fibre material as a carrier for nickel electrodes. Journal of Power Sources, 1994, 50, 21-25.	7.8	2
166	Carbon Fluoride Cathode Modified by Electroconducting Polymers. Molecular Crystals and Liquid Crystals, 1998, 310, 403-408.	0.3	2
167	Designing nanostructured carbons for the negative electrode of lithium batteries. Molecular Crystals and Liquid Crystals, 2002, 386, 151-157.	0.9	2
168	Application Of Metal Coated Carbon Nanotubes To Direct Methanol Fuel Cells And For The Formation Of Nanowires. AIP Conference Proceedings, 2004, , .	0.4	2
169	Carbon Nanotubes for Storage of Energy. , 2004, , .		2
170	Effect of surfactants on capacitance properties of carbon electrodes. Materials Research Society Symposia Proceedings, 2011, 1333, 110701.	0.1	2
171	Carbon Nanotubes for Storage of Energy. , 2008, , 707-721.		2
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