Francois Beguin

List of Publications by Year in descending order

320 papers	34,166 citations	7096 78 h-index	3650 180 g-index
345 all docs	345 docs citations	345 times ranked	24460 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	Electrochemical storage of energy in carbon nanotubes and nanostructured carbons. Carbon, 2002, 40, 1775-1787.	10.3	1,011
4	Supercapacitors based on conducting polymers/nanotubes composites. Journal of Power Sources, 2006, 153, 413-418.	7.8	885
5	Relationship between the nanoporous texture of activated carbons and their capacitance properties in different electrolytes. Carbon, 2006, 44, 2498-2507.	10.3	878
6	A High-Performance Carbon for Supercapacitors Obtained by Carbonization of a Seaweed Biopolymer. Advanced Materials, 2006, 18, 1877-1882.	21.0	786
7	KOH and NaOH activation mechanisms of multiwalled carbon nanotubes with different structural organisation. Carbon, 2005, 43, 786-795.	10.3	727
8	Determination of the specific capacitance of conducting polymer/nanotubes composite electrodes using different cell configurations. Electrochimica Acta, 2005, 50, 2499-2506.	5.2	718
9	Optimisation of an asymmetric manganese oxide/activated carbon capacitor working at 2V in aqueous medium. Journal of Power Sources, 2006, 153, 183-190.	7.8	687
10	Electrochemical energy storage in ordered porous carbon materials. Carbon, 2005, 43, 1293-1302.	10.3	658
11	Supercapacitor electrodes from multiwalled carbon nanotubes. Applied Physics Letters, 2000, 77, 2421-2423.	3.3	652
12	Tuning Carbon Materials for Supercapacitors by Direct Pyrolysis of Seaweeds. Advanced Functional Materials, 2009, 19, 1032-1039.	14.9	566
13	Appropriate methods for evaluating the efficiency and capacitive behavior of different types of supercapacitors. Electrochemistry Communications, 2015, 60, 21-25.	4.7	556
14	The Large Electrochemical Capacitance of Microporous Doped Carbon Obtained by Using a Zeolite Template. Advanced Functional Materials, 2007, 17, 1828-1836.	14.9	492
15	Supercapacitors from nanotubes/polypyrrole composites. Chemical Physics Letters, 2001, 347, 36-40.	2.6	488
16	High voltage supercapacitor built with seaweed carbons in neutral aqueous electrolyte. Carbon, 2010, 48, 4351-4361.	10.3	483
17	Coalescence of Single-Walled Carbon Nanotubes. Science, 2000, 288, 1226-1229.	12.6	469
18	Reinforcement of Polymers with Carbon Nanotubes:Â The Role of Nanotube Surface Area. Nano Letters, 2004, 4, 353-356.	9.1	456

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19	Elastic Modulus of Ordered and Disordered Multiwalled Carbon Nanotubes. Advanced Materials, 1999, 11, 161-165.	21.0	454
20	Electrochemical storage of lithium in multiwalled carbon nanotubes. Carbon, 1999, 37, 61-69.	10.3	428
21	High-energy density graphite/AC capacitor in organic electrolyte. Journal of Power Sources, 2008, 177, 643-651.	7.8	428
22	A symmetric carbon/carbon supercapacitor operating at 1.6V by using a neutral aqueous solution. Electrochemistry Communications, 2010, 12, 1275-1278.	4.7	403
23	Carbon aerogels, cryogels and xerogels: Influence of the drying method on the textural properties of porous carbon materials. Carbon, 2005, 43, 2481-2494.	10.3	396
24	Performance of Manganese Oxide/CNTs Composites as Electrode Materials for Electrochemical Capacitors. Journal of the Electrochemical Society, 2005, 152, A229.	2.9	361
25	Causes of supercapacitors ageing in organic electrolyte. Journal of Power Sources, 2007, 171, 1046-1053.	7.8	348
26	High-voltage asymmetric supercapacitors operating in aqueous electrolyte. Applied Physics A: Materials Science and Processing, 2006, 82, 567-573.	2.3	339
27	High power supercapacitors using polyacrylonitrile-based carbon nanofiber paper. Carbon, 2009, 47, 2984-2992.	10.3	338
28	Synthesis and characterization of carbon nanotubesâ€“TiO2 nanocomposites. Carbon, 2004, 42, 1147-1151.	10.3	324
29	Nanotubular materials for supercapacitors. Journal of Power Sources, 2001, 97-98, 822-825.	7.8	317
30	Optimisation of supercapacitors using carbons with controlled nanotexture and nitrogen content. Electrochimica Acta, 2006, 51, 2209-2214.	5.2	308
31	Towards the mechanism of electrochemical hydrogen storage in nanostructured carbon materials. Applied Physics A: Materials Science and Processing, 2004, 78, 981-987.	2.3	299
32	A Self-Supporting Electrode for Supercapacitors Prepared by One-Step Pyrolysis of Carbon Nanotube/Polyacrylonitrile Blends. Advanced Materials, 2005, 17, 2380-2384.	21.0	298
33	Exploring the large voltage range of carbon/carbon supercapacitors in aqueous lithium sulfate electrolyte. Energy and Environmental Science, 2012, 5, 9611.	30.8	297
34	Carbon/carbon supercapacitors. Journal of Energy Chemistry, 2013, 22, 226-240.	12.9	275
35	Enhanced capacitance of carbon nanotubes through chemical activation. Chemical Physics Letters, 2002, 361, 35-41.	2.6	267
36	Adjustment of electrodes potential window in an asymmetric carbon/MnO2 supercapacitor. Journal of Power Sources, 2011, 196, 580-586.	7.8	264

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37	Supercapacitor based on activated carbon and polyethylene oxideâ€“KOHâ€“H2O polymer electrolyte. Electrochimica Acta, 2001, 46, 2777-2780.	5.2	248
38	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Toxicological Aspects. Chemical Research in Toxicology, 2008, 21, 1698-1705.	3.3	246
39	Fluorination of carbon nanotubes. Carbon, 1997, 35, 723-728.	10.3	231
40	Safe and recyclable lithium-ion capacitors using sacrificial organic lithium salt. Nature Materials, 2018, 17, 167-173.	27.5	229
41	Capacitance properties of ordered porous carbon materials prepared by a templating procedure. Journal of Physics and Chemistry of Solids, 2004, 65, 287-293.	4.0	218
42	Carbon electrodes for capacitive technologies. Energy Storage Materials, 2019, 16, 126-145.	18.0	214
43	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Physicochemical Aspects. Chemical Research in Toxicology, 2008, 21, 1690-1697.	3.3	210
44	Exploring electrolyte organization in supercapacitor electrodes with solid-state NMR. Nature Materials, 2013, 12, 351-358.	27.5	210
45	In vitro studies of carbon nanotubes biocompatibility. Carbon, 2006, 44, 1106-1111.	10.3	206
46	A new type of high energy asymmetric capacitor with nanoporous carbon electrodes in aqueous electrolyte. Journal of Power Sources, 2010, 195, 4234-4241.	7.8	203
47	Surface functionality and porosity of activated carbons obtained from chemical activation of wood. Carbon, 2000, 38, 669-674.	10.3	193
48	Mechanical properties of multiwall carbon nanotubes/epoxy composites: influence of network morphology. Carbon, 2004, 42, 1027-1030.	10.3	172
49	Effects of thermal treatment of activated carbon on the electrochemical behaviour in supercapacitors. Electrochimica Acta, 2007, 52, 4969-4973.	5.2	172
50	Supercapacitor electrodes from new ordered porous carbon materials obtained by a templating procedure. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 108, 148-155.	3.5	168
51	Vanadium nitride/carbon nanotube nanocomposites as electrodes for supercapacitors. Journal of Materials Chemistry, 2011, 21, 13268.	6.7	167
52	The HSAB concept as a means to interpret the adsorption of metal ions onto activated carbons. Applied Surface Science, 2004, 228, 84-92.	6.1	164
53	Effect of binder on the performance of carbon/carbon symmetric capacitors in salt aqueous electrolyte. Electrochimica Acta, 2014, 140, 132-138.	5.2	152
54	Fullerene core star-like polymersâ€”1. Preparation from fullerenes and monoazidopolyethers. European Polymer Journal, 1998, 34, 905-915.	5.4	145

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55	Carbons with narrow pore size distribution prepared by simultaneous carbonization and self-activation of tobacco stems and their application to supercapacitors. Carbon, 2015, 81, 148-157.	10.3	144
56	Factors contributing to ageing of high voltage carbon/carbon supercapacitors in salt aqueous electrolyte. Journal of Applied Electrochemistry, 2014, 44, 475-480.	2.9	136
57	Triethylammonium bis(tetrafluoromethylsulfonyl)amide protic ionic liquid as an electrolyte for electrical double-layer capacitors. Physical Chemistry Chemical Physics, 2012, 14, 8199.	2.8	126
58	Influence of the atmosphere in the chemical activation of wood by phosphoric acid. Carbon, 1998, 36, 306-309.	10.3	125
59	Nanotubular materials as electrodes for supercapacitors. Fuel Processing Technology, 2002, 77-78, 213-219.	7.2	125
60	Carbon nanotubes with Ptâ€“Ru catalyst for methanol fuel cell. Electrochemistry Communications, 2006, 8, 129-132.	4.7	123
61	Unusual energy enhancement in carbon-based electrochemical capacitors. Journal of Materials Chemistry, 2012, 22, 24213.	6.7	115
62	Correlation of the irreversible lithium capacity with the active surface area of modified carbons. Carbon, 2005, 43, 2160-2167.	10.3	112
63	Effect of accelerated ageing on the performance of high voltage carbon/carbon electrochemical capacitors in salt aqueous electrolyte. Electrochimica Acta, 2014, 130, 344-350.	5.2	112
64	The first in situ 7Li nuclear magnetic resonance study of lithium insertion in hard-carbon anode materials for Li-ion batteries. Journal of Chemical Physics, 2003, 118, 6038-6045.	3.0	111
65	High surface area carbon nanotubes prepared by chemical activation. Carbon, 2002, 40, 1614-1617.	10.3	107
66	Saturation of subnanometer pores in an electric double-layer capacitor. Electrochemistry Communications, 2009, 11, 554-556.	4.7	107
67	Strategies to Improve the Performance of Carbon/Carbon Capacitors in Salt Aqueous Electrolytes. Journal of the Electrochemical Society, 2015, 162, A5148-A5157.	2.9	103
68	Coalescence of single-walled carbon nanotubes and formation of multi-walled carbon nanotubes under high-temperature treatments. Carbon, 2002, 40, 1765-1773.	10.3	102
69	Fabrication of network films of conducting polymer-linked polyoxometallate-stabilized carbon nanostructures. Electrochimica Acta, 2006, 51, 2373-2379.	5.2	101
70	Electrochemical performance of a hybrid lithium-ion capacitor with a graphite anode preloaded from lithium bis(trifluoromethane)sulfonimide-based electrolyte. Electrochimica Acta, 2012, 86, 282-286.	5.2	97
71	State of hydrogen electrochemically stored using nanoporous carbons as negative electrode materials in an aqueous medium. Carbon, 2006, 44, 2392-2398.	10.3	96
72	Electrochemical insertion of lithium in catalytic multi-walled carbon nanotubes. Journal of Power Sources, 1999, 81-82, 317-322.	7.8	89

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73	In Situ 7Li-Nuclear Magnetic Resonance Observation of Reversible Lithium Insertion into Disordered Carbons. Electrochemical and Solid-State Letters, 2003, 6, A225.	2.2	88
74	Enhancement of Reversible Hydrogen Capacity into Activated Carbon through Water Electrolysis. Electrochemical and Solid-State Letters, 2001, 4, A27.	2.2	84
75	Mechanism of adsorption and electrosorption of bentazone on activated carbon cloth in aqueous solutions. Water Research, 2007, 41, 3372-3380.	11.3	84
76	Supercapacitors: Carbons and Electrolytes for Advanced Supercapacitors (Adv. Mater. 14/2014). Advanced Materials, 2014, 26, 2283-2283.	21.0	81
77	Polarization-induced distortion of ions in the pores of carbon electrodes for electrochemical capacitors. Carbon, 2009, 47, 3158-3166.	10.3	79
78	Carbon Nanotubes as Nanotexturing Agents for High Power Supercapacitors Based on Seaweed Carbons. ChemSusChem, 2011, 4, 943-949.	6.8	79
79	Lithium rhenium(<scp>vii</scp>) oxide as a novel material for graphite pre-lithiation in high performance lithium-ion capacitors. Journal of Materials Chemistry A, 2016, 4, 12609-12615.	10.3	77
80	Pseudo-capacitance of nanoporous carbons in pyrrolidinium-based protic ionic liquids. Electrochemistry Communications, 2010, 12, 414-417.	4.7	68
81	The reversible intercalation of tetrahydrofuran in some graphite-alkali metal lamellar compounds. Materials Science and Engineering, 1979, 40, 167-173.	0.1	67
82	Effect of various porous nanotextures on the reversible electrochemical sorption of hydrogen in activated carbons. Electrochimica Acta, 2006, 51, 2161-2167.	5.2	67
83	High Yield of Pure Multiwalled Carbon Nanotubes from the Catalytic Decomposition of Acetylene on in Situ Formed Cobalt Nanoparticles. Journal of Nanoscience and Nanotechnology, 2002, 2, 481-484.	0.9	66
84	Catalytically Grown Carbon Nanotubes of Small Diameter Have a High Young's Modulus. Nano Letters, 2005, 5, 2074-2077.	9.1	65
85	Influence of chemical modification of anthracite on the porosity of the resulting activated carbons. Carbon, 2002, 40, 1287-1294.	10.3	64
86	The first in situ 7Li NMR study of the reversible lithium insertion mechanism in disorganised carbons. Journal of Physics and Chemistry of Solids, 2004, 65, 245-251.	4.0	64
87	Structural and electrochemical characterisation of nitrogen enriched carbons produced by the co-pyrolysis of coal-tar pitch with polyacrylonitrile. Electrochimica Acta, 2004, 49, 423-432.	5.2	64
88	Solvent-free ionic liquids as in situ probes for assessing the effect of ion size on the performance of electrical double layer capacitors. Carbon, 2006, 44, 3126-3130.	10.3	62
89	High voltage AC/AC electrochemical capacitor operating at low temperature in salt aqueous electrolyte. Journal of Power Sources, 2016, 318, 235-241.	7.8	62
90	Synthesis of high quality multi-walled carbon nanotubes from the decomposition of acetylene on iron-group metal catalysts supported on MgO. Carbon, 2002, 40, 965-969.	10.3	61

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91	Electrochemical storage of hydrogen in activated carbons. Fuel Processing Technology, 2002, 77-78, 415-421.	7.2	59
92	Thermodynamic properties of benzene adsorbed in activated carbons and multi-walled carbon nanotubes. Chemical Physics Letters, 2006, 421, 409-414.	2.6	59
93	In situ 7Li NMR during lithium electrochemical insertion into graphite and a carbon/carbon composite. Journal of Physics and Chemistry of Solids, 2006, 67, 1228-1232.	4.0	59
94	Lithium interaction with carbon nanotubes. Synthetic Metals, 1997, 88, 89-93.	3.9	57
95	Self-buffered pH at carbon surfaces in aqueous supercapacitors. Carbon, 2018, 129, 758-765.	10.3	56
96	Textural and electrochemical properties of carbon replica obtained from styryl organo-modified layered double hydroxide. Journal of Materials Chemistry, 2006, 16, 2074-2081.	6.7	54
97	Redox active electrolytes in carbon/carbon electrochemical capacitors. Current Opinion in Electrochemistry, 2018, 9, 95-105.	4.8	52
98	Investigation of methoxypropionitrile as co-solvent for ethylene carbonate based electrolyte in supercapacitors. A safe and wide temperature range electrolyte. Electrochimica Acta, 2013, 93, 1-7.	5.2	51
99	Ammonia Treatment of Activated Carbon Powders for Supercapacitor Electrode Application. Journal of the Electrochemical Society, 2014, 161, A568-A575.	2.9	51
100	Single, binary, and mixture adsorption of nine organic contaminants onto a microporous and a microporous/mesoporous activated carbon cloth. Microporous and Mesoporous Materials, 2016, 234, 24-34.	4.4	50
101	Confinement of Symmetric Tetraalkylammonium Ions in Nanoporous Carbon Electrodes of Electric Double-Layer Capacitors. Journal of Physical Chemistry C, 2009, 113, 13443-13449.	3.1	49
102	Optimizing the performance of supercapacitors based on carbon electrodes and protic ionic liquids as electrolytes. Electrochimica Acta, 2013, 108, 361-368.	5.2	49
103	Sustainable AC/AC hybrid electrochemical capacitors in aqueous electrolyte approaching the performance of organic systems. Journal of Power Sources, 2016, 326, 652-659.	7.8	48
104	Low-frequency Raman modes in Cs- and Rb-doped single wall carbon nanotubes. Chemical Physics Letters, 2001, 339, 305-310.	2.6	47
105	A better understanding of the irreversible lithium insertion mechanisms in disordered carbons. Journal of Physics and Chemistry of Solids, 2004, 65, 211-217.	4.0	47
106	Safe and performant electrolytes for supercapacitor. Investigation of esters/carbonate mixtures. Journal of Power Sources, 2013, 239, 217-224.	7.8	47
107	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. Carbon, 2014, 69, 401-408.	10.3	47
108	Change of self-discharge mechanism as a fast tool for estimating long-term stability of ionic liquid based supercapacitors. Journal of Power Sources, 2018, 396, 220-229.	7.8	47

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109	13CNMR evidence for dynamics of nanotubes in ropes. Physical Review B, 2001, 63, .	3.2	45
110	Sustainable Carbon/Carbon Supercapacitors Operating Down to â˜'40â€‰Â°C in Aqueous Electrolyte Made with Cholinium Salt. ChemSusChem, 2018, 11, 975-984.	6.8	45
111	Amphiphilic derivatives of fullerenes formed by polymer modification. Journal of the Chemical Society Chemical Communications, 1993, , 1725.	2.0	44
112	Influence of electrolyte ionâ€“solvent interactions on the performances of supercapacitors porous carbon electrodes. Journal of Power Sources, 2014, 263, 130-140.	7.8	44
113	High performance hybrid sodium-ion capacitor with tin phosphide used as battery-type negative electrode. Energy Storage Materials, 2019, 22, 200-206.	18.0	44
114	Use of sacrificial lithium nickel oxide for loading graphitic anode in Li-ion capacitors. Electrochimica Acta, 2016, 206, 440-445.	5.2	43
115	Elastic modulus of multi-walled carbon nanotubes produced by catalytic chemical vapour deposition. Applied Physics A: Materials Science and Processing, 2005, 80, 695-700.	2.3	42
116	New ternary lamellar compounds of graphite. Carbon, 1975, 13, 293-295.	10.3	41
117	New carbon multiwall nanotubes â€“ TiO2 nanocomposites obtained by the solâ€“gel method. Journal of Non-Crystalline Solids, 2004, 345-346, 596-600.	3.1	41
118	Self-discharge of AC/AC electrochemical capacitors in salt aqueous electrolyte. Electrochimica Acta, 2016, 202, 66-72.	5.2	41
119	Engaging nanoporous carbons in â€œbeyond adsorptionâ€•applications: Characterization, challenges and performance. Carbon, 2020, 164, 69-84.	10.3	41
120	Structural model calculation of antimicrobial and antifungal agents derived from clay minerals. Applied Clay Science, 1998, 12, 435-445.	5.2	40
121	A single step process for the simultaneous purification and opening of multiwalled carbon nanotubes. Chemical Physics Letters, 2005, 412, 184-189.	2.6	40
122	Behavior of activated carbon cloths used as electrode in electrochemical processes. Chemical Engineering Journal, 2017, 310, 1-12.	12.7	40
123	Comparative Study of Two Protic Ionic Liquids as Electrolyte for Electrical Double-Layer Capacitors. Journal of the Electrochemical Society, 2014, 161, A228-A238.	2.9	39
124	Structure and properties of KC24(Bz)2, A graphite-potassium-benzene intercalation compound. Synthetic Metals, 1980, 2, 161-170.	3.9	38
125	An efficient two-step process for producing opened multi-walled carbon nanotubes of high purity. Chemical Physics Letters, 2005, 404, 374-378.	2.6	37
126	Graphite intercalation compounds as reagents in organic synthesis. An overview and some recent applications. Synthetic Metals, 1982, 4, 299-318.	3.9	36

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127	HRTEM study of activated carbons prepared by alkali hydroxide activation of anthracite. Carbon, 2004, 42, 1305-1310.	10.3	36
128	Electrochemical Regeneration of Activated Carbon Cloth Exhausted with Bentazone. Environmental Science & Technology, 2008, 42, 4500-4506.	10.0	36
129	Sorption and desorption of lithium ions from activated carbons. Carbon, 1996, 34, 481-487.	10.3	35
130	Functionalization of multiwall carbon nanotubes: Properties of nanotubes-epoxy composites. Molecular Crystals and Liquid Crystals, 2002, 387, 135-140.	0.9	35
131	Towards the realistic silicon/carbon composite for Li-ion secondary battery anode. Journal of Applied Electrochemistry, 2015, 45, 1-10.	2.9	35
132	Influence of Graphite Characteristics on the Electrochemical Performance in Alkylcarbonate LiTFSI Electrolyte for Li-Ion Capacitors and Li-Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A1907-A1915.	2.9	34
133	A dual shape pore model to analyze the gas adsorption data of hierarchical micro-mesoporous carbons. Carbon, 2021, 178, 113-124.	10.3	34
134	The graphite intercalation compounds: A route to metallic supported clusters. Carbon, 1991, 29, 515-522.	10.3	33
135	Thermodynamic and Neutron Scattering Study of Hydrogen Adsorption in Two Mesoporous Ordered Carbons. Langmuir, 2006, 22, 4614-4619.	3.5	32
136	Microporous carbons finely-tuned by cyclic high-pressure low-temperature oxidation and their use in electrochemical capacitors. Carbon, 2012, 50, 3367-3374.	10.3	32
137	Capacitance enhancement of hybrid electrochemical capacitor with asymmetric carbon electrodes configuration in neutral aqueous electrolyte. Electrochimica Acta, 2018, 269, 640-648.	5.2	32
138	Effects of post-treatments on the performance of hard carbons in lithium cells. Journal of Power Sources, 2001, 97-98, 143-145.	7.8	31
139	Sodium molybdate â€“ an additive of choice for enhancing the performance of AC/AC electrochemical capacitors in a salt aqueous electrolyte. Faraday Discussions, 2014, 172, 199-214.	3.2	31
140	Si/C composites prepared by spray drying from cross-linked polyvinyl alcohol as Li-ion batteries anodes. Electrochimica Acta, 2015, 174, 361-368.	5.2	31
141	Binary mixtures of ionic liquids based on EMIm cation and fluorinated anions: physico-chemical characterization in view of their application as low-temperature electrolytes. Journal of Molecular Liquids, 2020, 298, 111959.	4.9	31
142	Electrochemical Properties of Carbon Nanotube Fluorides in a Lithium Cell System. Molecular Crystals and Liquid Crystals, 1998, 310, 185-190.	0.3	30
143	Influence of the Pyrolysis Conditions on the Nature of Lithium Inserted in Hard Carbons. Journal of Physical Chemistry A, 2001, 105, 5794-5800.	2.5	30
144	Confinement of iodides in carbon porosity to prevent from positive electrode oxidation in high voltage aqueous hybrid electrochemical capacitors. Carbon, 2017, 125, 391-400.	10.3	30

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145	Dehydrogenation of benzene to biphenyl by a potassiumâ€“graphite lamellar compound (KC8). Journal of the Chemical Society Chemical Communications, 1976, , 611b-612.	2.0	29
146	Structure and transitions in coordinated lithium graphite intercalation compounds. Synthetic Metals, 1985, 12, 187-193.	3.9	28
147	Structure and mechanical properties of methyltrimethoxysilane-treated taeniolite films. Journal of Materials Science, 1996, 31, 4609-4615.	3.7	28
148	Carbon Nanofibers Grafted on Activated Carbon as an Electrode in Highâ€Power Supercapacitors. ChemSusChem, 2013, 6, 1516-1522.	6.8	28
149	Influence of the iodide/iodine redox system on the self-discharge of AC/AC electrochemical capacitors in salt aqueous electrolyte. Progress in Natural Science: Materials International, 2015, 25, 622-630.	4.4	27
150	Na2S sacrificial cathodic material for high performance sodium-ion capacitors. Electrochimica Acta, 2019, 318, 471-478.	5.2	27
151	PropriÃ©tÃ©s physiques des composÃ©s lamellaires KC24(THF)n. Materials Science and Engineering, 1977, 31, 243-247.	0.1	26
152	Influence of anthracite pretreatment in the preparation of activated carbons. Fuel, 1998, 77, 495-502.	6.4	25
153	Effect of low water content in protic ionic liquid on ions electrosorption in porous carbon: application to electrochemical capacitors. Physical Chemistry Chemical Physics, 2017, 19, 11173-11186.	2.8	25
154	Finely divided supported metals Ni, Co and Fe prepared trough graphite intercalation compounds: Study by X.P.S.. Synthetic Metals, 1988, 23, 493-501.	3.9	24
155	High-energy hybrid electrochemical capacitor operating down to â˜'40â€Â°C with aqueous redox electrolyte based on choline salts. Journal of Power Sources, 2019, 427, 283-292.	7.8	24
156	Energy dispersive X-ray analysis on supported metallic clusters generated by redox processes on graphite intercalation compounds. Carbon, 1991, 29, 1233-1238.	10.3	23
157	Determination of the space between closed multiwalled carbon nanotubes by GCMC simulation of nitrogen adsorption. Journal of Colloid and Interface Science, 2008, 317, 442-448.	9.4	23
158	Effect of electrochemical conditions on the performance worsening of Si/C composite anodes for lithium batteries. Electrochimica Acta, 2010, 55, 729-736.	5.2	23
159	Composes ternaires graphite-lithium-tetrahydrofuranne: Synthese et etude par rayons X et resonance magnetique. Synthetic Metals, 1983, 7, 77-84.	3.9	22
160	Intercalation and partial deintercalation of tetrahydrofuran in CsC24: A neutron powder diffraction study. Synthetic Metals, 1988, 23, 133-138.	3.9	22
161	Polyether-modified fullerenes. Polymer Bulletin, 1994, 33, 175-182.	3.3	22
162	Activated carbons from chemically treated anthracite. Carbon, 1997, 35, 162-165.	10.3	22

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163	Clay/Carbon Nanocomposites as Precursors of Electrode Materials for Lithium-Ion Batteries and Supercapacitors. Molecular Crystals and Liquid Crystals, 2000, 340, 449-454.	0.3	22
164	Mechanism of lithium electrosorption by activated carbons. Electrochimica Acta, 2002, 47, 1545-1553.	5.2	22
165	The role played by local pH and pore size distribution in the electrochemical regeneration of carbon fabrics loaded with bentazon. Carbon, 2015, 94, 816-825.	10.3	22
166	Carbon/platinum nanotextured films produced by plasma sputtering. Carbon, 2009, 47, 209-214.	10.3	21
167	Evidence for electro-chemical interactions between multi-walled carbon nanotubes and human macrophages. Carbon, 2009, 47, 2789-2804.	10.3	21
168	Sustainable production of self-activated bio-derived carbons through solar pyrolysis for their use in supercapacitors. Journal of Analytical and Applied Pyrolysis, 2020, 150, 104901.	5.5	21
169	Graphite intercalation compounds as precursors of activated metals. Journal of Organometallic Chemistry, 1991, 403, 21-27.	1.8	20
170	Lithium insertion into boron containing carbons prepared by co-pyrolysis of coalâ€“tar pitch and boraneâ€“pyridine complex. Journal of Physics and Chemistry of Solids, 2004, 65, 153-158.	4.0	20
171	Structure of the intercalated layer in graphite-potassium-tetrahydrofuran compounds. Synthetic Metals, 1986, 14, 179-188.	3.9	19
172	High temperature physintercalation into the 2nd stage CsC24. Synthetic Metals, 1989, 34, 59-65.	3.9	19
173	Electrochemical oxidation of graphite in an aqueous medium: intercalation of FeCl4â¯. Carbon, 1993, 31, 223-226.	10.3	19
174	Annealing of template nanotubes to well-graphitized multi-walled carbon nanotubes. Carbon, 2006, 44, 814-818.	10.3	19
175	Electrical Doubleâ€Layer Capacitors Based on a Ternary Ionic Liquid Electrolyte Operating at Low Temperature with Realistic Gravimetric and Volumetric Energy Outputs. ChemSusChem, 2021, 14, 1196-1208.	6.8	19
176	Separation of C60/C70 mixture on activated carbon and activated carbon fibres. Carbon, 1995, 33, 209-213.	10.3	18
177	Quantification of the Charge Consuming Phenomena under Highâ€Voltage Hold of Carbon/Carbon Supercapacitors by Coupling Operando and Postâ€Mortem Analyses. Angewandte Chemie - International Edition, 2019, 58, 17969-17977.	13.8	18
178	Formation and structure of the potassium-benzene graphitides. Synthetic Metals, 1983, 7, 263-269.	3.9	17
179	Physicochemical and electrochemical properties of a new series of protic ionic liquids with N-chloroalkyl functionalized cations. RSC Advances, 2016, 6, 55144-55158.	3.6	17
180	Advantageous carbon deposition during the irreversible electrochemical oxidation of Na2C4O4 used as a presodiation source for the anode of sodium-ion systems. Energy Storage Materials, 2021, 40, 22-30.	18.0	17

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