

# Francois Beguin

## List of Publications by Year in descending order

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320  
papers

34,166  
citations

7069

78  
h-index

3638

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.	5.4	4,099
2	Carbons and Electrolytes for Advanced Supercapacitors. Advanced Materials, 2014, 26, 2219-2251.	11.1	2,152
3	Electrochemical storage of energy in carbon nanotubes and nanostructured carbons. Carbon, 2002, 40, 1775-1787.	5.4	1,011
4	Supercapacitors based on conducting polymers/nanotubes composites. Journal of Power Sources, 2006, 153, 413-418.	4.0	885
5	Relationship between the nanoporous texture of activated carbons and their capacitance properties in different electrolytes. Carbon, 2006, 44, 2498-2507.	5.4	878
6	A High-Performance Carbon for Supercapacitors Obtained by Carbonization of a Seaweed Biopolymer. Advanced Materials, 2006, 18, 1877-1882.	11.1	786
7	KOH and NaOH activation mechanisms of multiwalled carbon nanotubes with different structural organisation. Carbon, 2005, 43, 786-795.	5.4	727
8	Determination of the specific capacitance of conducting polymer/nanotubes composite electrodes using different cell configurations. Electrochimica Acta, 2005, 50, 2499-2506.	2.6	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.	4.0	687
10	Electrochemical energy storage in ordered porous carbon materials. Carbon, 2005, 43, 1293-1302.	5.4	658
11	Supercapacitor electrodes from multiwalled carbon nanotubes. Applied Physics Letters, 2000, 77, 2421-2423.	1.5	652
12	Tuning Carbon Materials for Supercapacitors by Direct Pyrolysis of Seaweeds. Advanced Functional Materials, 2009, 19, 1032-1039.	7.8	566
13	Appropriate methods for evaluating the efficiency and capacitive behavior of different types of supercapacitors. Electrochemistry Communications, 2015, 60, 21-25.	2.3	556
14	The Large Electrochemical Capacitance of Microporous Doped Carbon Obtained by Using a Zeolite Template. Advanced Functional Materials, 2007, 17, 1828-1836.	7.8	492
15	Supercapacitors from nanotubes/polypyrrole composites. Chemical Physics Letters, 2001, 347, 36-40.	1.2	488
16	High voltage supercapacitor built with seaweed carbons in neutral aqueous electrolyte. Carbon, 2010, 48, 4351-4361.	5.4	483
17	Coalescence of Single-Walled Carbon Nanotubes. Science, 2000, 288, 1226-1229.	6.0	469
18	Reinforcement of Polymers with Carbon Nanotubes: The Role of Nanotube Surface Area. Nano Letters, 2004, 4, 353-356.	4.5	456

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19	Elastic Modulus of Ordered and Disordered Multiwalled Carbon Nanotubes. <i>Advanced Materials</i> , 1999, 11, 161-165.	11.1	454
20	Electrochemical storage of lithium in multiwalled carbon nanotubes. <i>Carbon</i> , 1999, 37, 61-69.	5.4	428
21	High-energy density graphite/AC capacitor in organic electrolyte. <i>Journal of Power Sources</i> , 2008, 177, 643-651.	4.0	428
22	A symmetric carbon/carbon supercapacitor operating at 1.6V by using a neutral aqueous solution. <i>Electrochemistry Communications</i> , 2010, 12, 1275-1278.	2.3	403
23	Carbon aerogels, cryogels and xerogels: Influence of the drying method on the textural properties of porous carbon materials. <i>Carbon</i> , 2005, 43, 2481-2494.	5.4	396
24	Performance of Manganese Oxide/CNTs Composites as Electrode Materials for Electrochemical Capacitors. <i>Journal of the Electrochemical Society</i> , 2005, 152, A229.	1.3	361
25	Causes of supercapacitors ageing in organic electrolyte. <i>Journal of Power Sources</i> , 2007, 171, 1046-1053.	4.0	348
26	High-voltage asymmetric supercapacitors operating in aqueous electrolyte. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 82, 567-573.	1.1	339
27	High power supercapacitors using polyacrylonitrile-based carbon nanofiber paper. <i>Carbon</i> , 2009, 47, 2984-2992.	5.4	338
28	Synthesis and characterization of carbon nanotubes/TiO <sub>2</sub> nanocomposites. <i>Carbon</i> , 2004, 42, 1147-1151.	5.4	324
29	Nanotubular materials for supercapacitors. <i>Journal of Power Sources</i> , 2001, 97-98, 822-825.	4.0	317
30	Optimisation of supercapacitors using carbons with controlled nanotexture and nitrogen content. <i>Electrochimica Acta</i> , 2006, 51, 2209-2214.	2.6	308
31	Towards the mechanism of electrochemical hydrogen storage in nanostructured carbon materials. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 981-987.	1.1	299
32	A Self-Supporting Electrode for Supercapacitors Prepared by One-Step Pyrolysis of Carbon Nanotube/Polyacrylonitrile Blends. <i>Advanced Materials</i> , 2005, 17, 2380-2384.	11.1	298
33	Exploring the large voltage range of carbon/carbon supercapacitors in aqueous lithium sulfate electrolyte. <i>Energy and Environmental Science</i> , 2012, 5, 9611.	15.6	297
34	Carbon/carbon supercapacitors. <i>Journal of Energy Chemistry</i> , 2013, 22, 226-240.	7.1	275
35	Enhanced capacitance of carbon nanotubes through chemical activation. <i>Chemical Physics Letters</i> , 2002, 361, 35-41.	1.2	267
36	Adjustment of electrodes potential window in an asymmetric carbon/MnO <sub>2</sub> supercapacitor. <i>Journal of Power Sources</i> , 2011, 196, 580-586.	4.0	264

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37	Supercapacitor based on activated carbon and polyethylene oxideâ€“KOHâ€“H <sub>2</sub> O polymer electrolyte. <i>Electrochimica Acta</i> , 2001, 46, 2777-2780.	2.6	248
38	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Toxicological Aspects. <i>Chemical Research in Toxicology</i> , 2008, 21, 1698-1705.	1.7	246
39	Fluorination of carbon nanotubes. <i>Carbon</i> , 1997, 35, 723-728.	5.4	231
40	Safe and recyclable lithium-ion capacitors using sacrificial organic lithium salt. <i>Nature Materials</i> , 2018, 17, 167-173.	13.3	229
41	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.	1.9	218
42	Carbon electrodes for capacitive technologies. <i>Energy Storage Materials</i> , 2019, 16, 126-145.	9.5	214
43	Structural Defects Play a Major Role in the Acute Lung Toxicity of Multiwall Carbon Nanotubes: Physicochemical Aspects. <i>Chemical Research in Toxicology</i> , 2008, 21, 1690-1697.	1.7	210
44	Exploring electrolyte organization in supercapacitor electrodes with solid-state NMR. <i>Nature Materials</i> , 2013, 12, 351-358.	13.3	210
45	In vitro studies of carbon nanotubes biocompatibility. <i>Carbon</i> , 2006, 44, 1106-1111.	5.4	206
46	A new type of high energy asymmetric capacitor with nanoporous carbon electrodes in aqueous electrolyte. <i>Journal of Power Sources</i> , 2010, 195, 4234-4241.	4.0	203
47	Surface functionality and porosity of activated carbons obtained from chemical activation of wood. <i>Carbon</i> , 2000, 38, 669-674.	5.4	193
48	Mechanical properties of multiwall carbon nanotubes/epoxy composites: influence of network morphology. <i>Carbon</i> , 2004, 42, 1027-1030.	5.4	172
49	Effects of thermal treatment of activated carbon on the electrochemical behaviour in supercapacitors. <i>Electrochimica Acta</i> , 2007, 52, 4969-4973.	2.6	172
50	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.	1.7	168
51	Vanadium nitride/carbon nanotube nanocomposites as electrodes for supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 13268.	6.7	167
52	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.	3.1	164
53	Effect of binder on the performance of carbon/carbon symmetric capacitors in salt aqueous electrolyte. <i>Electrochimica Acta</i> , 2014, 140, 132-138.	2.6	152
54	Fullerene core star-like polymersâ€™1. Preparation from fullerenes and monoazidopolyethers. <i>European Polymer Journal</i> , 1998, 34, 905-915.	2.6	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. <i>Carbon</i> , 2015, 81, 148-157.	5.4	144
56	Factors contributing to ageing of high voltage carbon/carbon supercapacitors in salt aqueous electrolyte. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 475-480.	1.5	136
57	Triethylammonium bis(tetrafluoromethylsulfonyl)amide protic ionic liquid as an electrolyte for electrical double-layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8199.	1.3	126
58	Influence of the atmosphere in the chemical activation of wood by phosphoric acid. <i>Carbon</i> , 1998, 36, 306-309.	5.4	125
59	Nanotubular materials as electrodes for supercapacitors. <i>Fuel Processing Technology</i> , 2002, 77-78, 213-219.	3.7	125
60	Carbon nanotubes with Pt/Ru catalyst for methanol fuel cell. <i>Electrochemistry Communications</i> , 2006, 8, 129-132.	2.3	123
61	Unusual energy enhancement in carbon-based electrochemical capacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 24213.	6.7	115
62	Correlation of the irreversible lithium capacity with the active surface area of modified carbons. <i>Carbon</i> , 2005, 43, 2160-2167.	5.4	112
63	Effect of accelerated ageing on the performance of high voltage carbon/carbon electrochemical capacitors in salt aqueous electrolyte. <i>Electrochimica Acta</i> , 2014, 130, 344-350.	2.6	112
64	The first in situ <sup>7</sup> 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.	1.2	111
65	High surface area carbon nanotubes prepared by chemical activation. <i>Carbon</i> , 2002, 40, 1614-1617.	5.4	107
66	Saturation of subnanometer pores in an electric double-layer capacitor. <i>Electrochemistry Communications</i> , 2009, 11, 554-556.	2.3	107
67	Strategies to Improve the Performance of Carbon/Carbon Capacitors in Salt Aqueous Electrolytes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5148-A5157.	1.3	103
68	Coalescence of single-walled carbon nanotubes and formation of multi-walled carbon nanotubes under high-temperature treatments. <i>Carbon</i> , 2002, 40, 1765-1773.	5.4	102
69	Fabrication of network films of conducting polymer-linked polyoxometallate-stabilized carbon nanostructures. <i>Electrochimica Acta</i> , 2006, 51, 2373-2379.	2.6	101
70	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.	2.6	97
71	State of hydrogen electrochemically stored using nanoporous carbons as negative electrode materials in an aqueous medium. <i>Carbon</i> , 2006, 44, 2392-2398.	5.4	96
72	Electrochemical insertion of lithium in catalytic multi-walled carbon nanotubes. <i>Journal of Power Sources</i> , 1999, 81-82, 317-322.	4.0	89

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73	In Situ <sup>7</sup> 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
74	Enhancement of Reversible Hydrogen Capacity into Activated Carbon through Water Electrolysis. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, A27.	2.2	84
75	Mechanism of adsorption and electrosorption of bentazone on activated carbon cloth in aqueous solutions. <i>Water Research</i> , 2007, 41, 3372-3380.	5.3	84
76	Supercapacitors: Carbons and Electrolytes for Advanced Supercapacitors (Adv. Mater. 14/2014). <i>Advanced Materials</i> , 2014, 26, 2283-2283.	11.1	81
77	Polarization-induced distortion of ions in the pores of carbon electrodes for electrochemical capacitors. <i>Carbon</i> , 2009, 47, 3158-3166.	5.4	79
78	Carbon Nanotubes as Nanotexturing Agents for High Power Supercapacitors Based on Seaweed Carbons. <i>ChemSusChem</i> , 2011, 4, 943-949.	3.6	79
79	Lithium rhenium( <sup>vii</sup> ) oxide as a novel material for graphite pre-lithiation in high performance lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12609-12615.	5.2	77
80	Pseudo-capacitance of nanoporous carbons in pyrrolidinium-based protic ionic liquids. <i>Electrochemistry Communications</i> , 2010, 12, 414-417.	2.3	68
81	The reversible intercalation of tetrahydrofuran in some graphite-alkali metal lamellar compounds. <i>Materials Science and Engineering</i> , 1979, 40, 167-173.	0.1	67
82	Effect of various porous nanotextures on the reversible electrochemical sorption of hydrogen in activated carbons. <i>Electrochimica Acta</i> , 2006, 51, 2161-2167.	2.6	67
83	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
84	Catalytically Grown Carbon Nanotubes of Small Diameter Have a High Young's Modulus. <i>Nano Letters</i> , 2005, 5, 2074-2077.	4.5	65
85	Influence of chemical modification of anthracite on the porosity of the resulting activated carbons. <i>Carbon</i> , 2002, 40, 1287-1294.	5.4	64
86	The first in situ <sup>7</sup> 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.	1.9	64
87	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.	2.6	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. <i>Carbon</i> , 2006, 44, 3126-3130.	5.4	62
89	High voltage AC/AC electrochemical capacitor operating at low temperature in salt aqueous electrolyte. <i>Journal of Power Sources</i> , 2016, 318, 235-241.	4.0	62
90	Synthesis of high quality multi-walled carbon nanotubes from the decomposition of acetylene on iron-group metal catalysts supported on MgO. <i>Carbon</i> , 2002, 40, 965-969.	5.4	61

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91	Electrochemical storage of hydrogen in activated carbons. <i>Fuel Processing Technology</i> , 2002, 77-78, 415-421.	3.7	59
92	Thermodynamic properties of benzene adsorbed in activated carbons and multi-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2006, 421, 409-414.	1.2	59
93	In situ <sup>7</sup> Li NMR during lithium electrochemical insertion into graphite and a carbon/carbon composite. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1228-1232.	1.9	59
94	Lithium interaction with carbon nanotubes. <i>Synthetic Metals</i> , 1997, 88, 89-93.	2.1	57
95	Self-buffered pH at carbon surfaces in aqueous supercapacitors. <i>Carbon</i> , 2018, 129, 758-765.	5.4	56
96	Textural and electrochemical properties of carbon replica obtained from styryl organo-modified layered double hydroxide. <i>Journal of Materials Chemistry</i> , 2006, 16, 2074-2081.	6.7	54
97	Redox active electrolytes in carbon/carbon electrochemical capacitors. <i>Current Opinion in Electrochemistry</i> , 2018, 9, 95-105.	2.5	52
98	Investigation of methoxypropionitrile as co-solvent for ethylene carbonate based electrolyte in supercapacitors. A safe and wide temperature range electrolyte. <i>Electrochimica Acta</i> , 2013, 93, 1-7.	2.6	51
99	Ammonia Treatment of Activated Carbon Powders for Supercapacitor Electrode Application. <i>Journal of the Electrochemical Society</i> , 2014, 161, A568-A575.	1.3	51
100	Single, binary, and mixture adsorption of nine organic contaminants onto a microporous and a microporous/mesoporous activated carbon cloth. <i>Microporous and Mesoporous Materials</i> , 2016, 234, 24-34.	2.2	50
101	Confinement of Symmetric Tetraalkylammonium Ions in Nanoporous Carbon Electrodes of Electric Double-Layer Capacitors. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13443-13449.	1.5	49
102	Optimizing the performance of supercapacitors based on carbon electrodes and protic ionic liquids as electrolytes. <i>Electrochimica Acta</i> , 2013, 108, 361-368.	2.6	49
103	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.	4.0	48
104	Low-frequency Raman modes in Cs- and Rb-doped single wall carbon nanotubes. <i>Chemical Physics Letters</i> , 2001, 339, 305-310.	1.2	47
105	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.	1.9	47
106	Safe and performant electrolytes for supercapacitor. Investigation of esters/carbonate mixtures. <i>Journal of Power Sources</i> , 2013, 239, 217-224.	4.0	47
107	New insights on electrochemical hydrogen storage in nanoporous carbons by in situ Raman spectroscopy. <i>Carbon</i> , 2014, 69, 401-408.	5.4	47
108	Change of self-discharge mechanism as a fast tool for estimating long-term stability of ionic liquid based supercapacitors. <i>Journal of Power Sources</i> , 2018, 396, 220-229.	4.0	47

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109	<sup>13</sup> CNMR evidence for dynamics of nanotubes in ropes. <i>Physical Review B</i> , 2001, 63, .	1.1	45
110	Sustainable Carbon/Carbon Supercapacitors Operating Down to $\sim 40\%$ in Aqueous Electrolyte Made with Cholinium Salt. <i>ChemSusChem</i> , 2018, 11, 975-984.	3.6	45
111	Amphiphilic derivatives of fullerenes formed by polymer modification. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 1725.	2.0	44
112	Influence of electrolyte ion-solvent interactions on the performances of supercapacitors porous carbon electrodes. <i>Journal of Power Sources</i> , 2014, 263, 130-140.	4.0	44
113	High performance hybrid sodium-ion capacitor with tin phosphide used as battery-type negative electrode. <i>Energy Storage Materials</i> , 2019, 22, 200-206.	9.5	44
114	Use of sacrificial lithium nickel oxide for loading graphitic anode in Li-ion capacitors. <i>Electrochimica Acta</i> , 2016, 206, 440-445.	2.6	43
115	Elastic modulus of multi-walled carbon nanotubes produced by catalytic chemical vapour deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 695-700.	1.1	42
116	New ternary lamellar compounds of graphite. <i>Carbon</i> , 1975, 13, 293-295.	5.4	41
117	New carbon multiwall nanotubes $\text{TiO}_2$ nanocomposites obtained by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 596-600.	1.5	41
118	Self-discharge of AC/AC electrochemical capacitors in salt aqueous electrolyte. <i>Electrochimica Acta</i> , 2016, 202, 66-72.	2.6	41
119	Engaging nanoporous carbons in "beyond adsorption" applications: Characterization, challenges and performance. <i>Carbon</i> , 2020, 164, 69-84.	5.4	41
120	Structural model calculation of antimicrobial and antifungal agents derived from clay minerals. <i>Applied Clay Science</i> , 1998, 12, 435-445.	2.6	40
121	A single step process for the simultaneous purification and opening of multiwalled carbon nanotubes. <i>Chemical Physics Letters</i> , 2005, 412, 184-189.	1.2	40
122	Behavior of activated carbon cloths used as electrode in electrochemical processes. <i>Chemical Engineering Journal</i> , 2017, 310, 1-12.	6.6	40
123	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.	1.3	39
124	Structure and properties of $\text{KC}_{24}(\text{Bz})_2$ , A graphite-potassium-benzene intercalation compound. <i>Synthetic Metals</i> , 1980, 2, 161-170.	2.1	38
125	An efficient two-step process for producing opened multi-walled carbon nanotubes of high purity. <i>Chemical Physics Letters</i> , 2005, 404, 374-378.	1.2	37
126	Graphite intercalation compounds as reagents in organic synthesis. An overview and some recent applications. <i>Synthetic Metals</i> , 1982, 4, 299-318.	2.1	36



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127	HRTEM study of activated carbons prepared by alkali hydroxide activation of anthracite. <i>Carbon</i> , 2004, 42, 1305-1310.	5.4	36
128	Electrochemical Regeneration of Activated Carbon Cloth Exhausted with Bentazone. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4500-4506.	4.6	36
129	Sorption and desorption of lithium ions from activated carbons. <i>Carbon</i> , 1996, 34, 481-487.	5.4	35
130	Functionalization of multiwall carbon nanotubes: Properties of nanotubes-epoxy composites. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 387, 135-140.	0.4	35
131	Towards the realistic silicon/carbon composite for Li-ion secondary battery anode. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 1-10.	1.5	35
132	Influence of Graphite Characteristics on the Electrochemical Performance in Alkylcarbonate LiTFSI Electrolyte for Li-Ion Capacitors and Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1907-A1915.	1.3	34
133	A dual shape pore model to analyze the gas adsorption data of hierarchical micro-mesoporous carbons. <i>Carbon</i> , 2021, 178, 113-124.	5.4	34
134	The graphite intercalation compounds: A route to metallic supported clusters. <i>Carbon</i> , 1991, 29, 515-522.	5.4	33
135	Thermodynamic and Neutron Scattering Study of Hydrogen Adsorption in Two Mesoporous Ordered Carbons. <i>Langmuir</i> , 2006, 22, 4614-4619.	1.6	32
136	Microporous carbons finely-tuned by cyclic high-pressure low-temperature oxidation and their use in electrochemical capacitors. <i>Carbon</i> , 2012, 50, 3367-3374.	5.4	32
137	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
138	Effects of post-treatments on the performance of hard carbons in lithium cells. <i>Journal of Power Sources</i> , 2001, 97-98, 143-145.	4.0	31
139	Sodium molybdate “an additive of choice for enhancing the performance of AC/AC electrochemical capacitors in a salt aqueous electrolyte. <i>Faraday Discussions</i> , 2014, 172, 199-214.	1.6	31
140	Si/C composites prepared by spray drying from cross-linked polyvinyl alcohol as Li-ion batteries anodes. <i>Electrochimica Acta</i> , 2015, 174, 361-368.	2.6	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. <i>Journal of Molecular Liquids</i> , 2020, 298, 111959.	2.3	31
142	Electrochemical Properties of Carbon Nanotube Fluorides in a Lithium Cell System. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 310, 185-190.	0.3	30
143	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.	1.1	30
144	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

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145	Dehydrogenation of benzene to biphenyl by a potassium-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.	2.1	28
147	Structure and mechanical properties of methyltrimethoxysilane-treated taeniolite films. Journal of Materials Science, 1996, 31, 4609-4615.	1.7	28
148	Carbon Nanofibers Grafted on Activated Carbon as an Electrode in High-Power Supercapacitors. ChemSusChem, 2013, 6, 1516-1522.	3.6	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.	1.8	27
150	Na <sub>2</sub> S sacrificial cathodic material for high performance sodium-ion capacitors. Electrochimica Acta, 2019, 318, 471-478.	2.6	27
151	Propriétés physiques des composés lamellaires KC <sub>24</sub> (THF) <sub>n</sub> . 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.	3.4	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.	1.3	25
154	Finely divided supported metals Ni, Co and Fe prepared through graphite intercalation compounds: Study by X.P.S.. Synthetic Metals, 1988, 23, 493-501.	2.1	24
155	High-energy hybrid electrochemical capacitor operating down to -40°C with aqueous redox electrolyte based on choline salts. Journal of Power Sources, 2019, 427, 283-292.	4.0	24
156	Energy dispersive X-ray analysis on supported metallic clusters generated by redox processes on graphite intercalation compounds. Carbon, 1991, 29, 1233-1238.	5.4	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.	5.0	23
158	Effect of electrochemical conditions on the performance worsening of Si/C composite anodes for lithium batteries. Electrochimica Acta, 2010, 55, 729-736.	2.6	23
159	Composés ternaires graphite-lithium-tetrahydrofurane: Synthèse et étude par rayons X et résonance magnétique. Synthetic Metals, 1983, 7, 77-84.	2.1	22
160	Intercalation and partial deintercalation of tetrahydrofuran in CsC <sub>24</sub> : A neutron powder diffraction study. Synthetic Metals, 1988, 23, 133-138.	2.1	22
161	Polyether-modified fullerenes. Polymer Bulletin, 1994, 33, 175-182.	1.7	22
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