Patrice Simon

List of Publications by Year
in descending order

250 papers	84,146 citations	2696 98 h-index	1056 241 g-index
263 all docs	263 docs citations	263 times ranked	47915 citing authors

#	Article	IF	Citations
1	Molten Saltâ€Shielded Synthesis (MS³) of MXenes in Air. Energy and Environmental Materials, 2023, 6, .	7.3	25
2	Perovskiteâ€Type SrVO₃ as Highâ€Performance Anode Materials for Lithiumâ€Ion Batteries. Advanced Materials, 2022, 34, e2107262.	11.1	29
3	Exfoliation and Delamination of Ti₃C₂T_{<i>x</i>} MXene Prepared <i>via</i> Molten Salt Etching Route. ACS Nano, 2022, 16, 111-118.	7.3	107
4	The path to high-rate energy storage goes through narrow channels. Joule, 2022, 6, 28-30.	11.7	7
5	Continuous transition from double-layer to Faradaic charge storage in confined electrolytes. Nature Energy, 2022, 7, 222-228.	19.8	130
6	MnO₂-MXene Composite as Electrode for Supercapacitor. Journal of the Electrochemical Society, 2022, 169, 030524.	1.3	17
7	The effects of local graphitization on the charging mechanisms of microporous carbon supercapacitor electrodes. Electrochemistry Communications, 2022, 137, 107258.	2.3	10
8	Understanding Battery Interfaces by Combined Characterization and Simulation Approaches: Challenges and Perspectives. Advanced Energy Materials, 2022, 12, .	10.2	46
9	Two-dimensional MXenes for electrochemical capacitor applications: Progress, challenges and perspectives. Energy Storage Materials, 2021, 35, 630-660.	9.5	182
10	What Can Text Mining Tell Us About Lithiumâ€Ion Battery Researchersâ€™ Habits?. Batteries and Supercaps, 2021, 4, 758-766.	2.4	20
11	Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance. Angewandte Chemie - International Edition, 2021, 60, 13317-13322.	7.2	31
12	Simulations of Ionic Liquids Confined in Surface-Functionalized Nanoporous Carbons: Implications for Energy Storage. ACS Applied Nano Materials, 2021, 4, 4007-4015.	2.4	12
13	Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance. Angewandte Chemie, 2021, 133, 13429-13434.	1.6	5
14	RÃ¼cktitelbild: Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance (Angew. Chem. 24/2021). Angewandte Chemie, 2021, 133, 13800-13800.	1.6	1
15	What Can Text Mining Tell Us About Lithiumâ€Ion Battery Researchersâ€™ Habits?. Batteries and Supercaps, 2021, 4, 689-689.	2.4	3
16	Fast Xâ€ray Nanotomography with Subâ€10Ânm Resolution as a Powerful Imaging Tool for Nanotechnology and Energy Storage Applications. Advanced Materials, 2021, 33, e2008653.	11.1	32
17	Alkali Ions Preâ€Intercalated Layered MnO₂ Nanosheet for Zincâ€Ions Storage. Advanced Energy Materials, 2021, 11, 2101287.	10.2	120
18	An Artificial Interface for High Cell Voltage Aqueous-Based Electrochemical Capacitors. Journal of the Electrochemical Society, 2021, 168, 070520.	1.3	3

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19	Li-ion storage properties of two-dimensional titanium-carbide synthesized via fast one-pot method in air atmosphere. Nature Communications, 2021, 12, 5085.	5.8	88
20	Titanium Carbide MXene Shows an Electrochemical Anomaly in Water-in-Salt Electrolytes. ACS Nano, 2021, 15, 15274-15284.	7.3	56
21	Mesoscopic simulations of the in situ NMR spectra of porous carbon based supercapacitors: electronic structure and adsorbent reorganisation effects. Physical Chemistry Chemical Physics, 2021, 23, 15925-15934.	1.3	4
22	Hard carbon key properties allow for the achievement of high Coulombic efficiency and high volumetric capacity in Na-ion batteries. Journal of Materials Chemistry A, 2021, 9, 1743-1758.	5.2	52
23	Carbonâ€“carbon supercapacitors: Beyond the average pore size or how electrolyte confinement and inaccessible pores affect the capacitance. Journal of Chemical Physics, 2021, 155, 184703.	1.2	17
24	Electrochemically Induced Deformation Determines the Rate of Lithium Intercalation in Bulk TiS₂. ACS Energy Letters, 2021, 6, 4173-4178.	8.8	11
25	Future Directions for Electrochemical Capacitors. ACS Energy Letters, 2021, 6, 4311-4316.	8.8	53
26	Confined water controls capacitance. Nature Materials, 2021, 20, 1597-1598.	13.3	10
27	Non - electrochemical Na â€“ deintercalation from O3 NaVO2. Materials Research Bulletin, 2020, 121, 110586.	2.7	4
28	Comment to the letter to the editor from Costentin etÂ al. Entitled â€œOhmic drop correction in electrochemical techniques. Multiple potential step chrono-amperometry at the test benchâ€• Energy Storage Materials, 2020, 24, 4-5.	9.5	1
29	Facile and Scalable Preparation of Ruthenium Oxideâ€Based Flexible Microâ€Supercapacitors. Advanced Energy Materials, 2020, 10, 1903136.	10.2	74
30	Ionic Liquids under Confinement: From Systematic Variations of the Ion and Pore Sizes toward an Understanding of the Structure and Dynamics in Complex Porous Carbons. ACS Applied Materials & Interfaces, 2020, 12, 1789-1798.	4.0	39
31	Effects of functional groups and anion size on the charging mechanisms in layered electrode materials. Energy Storage Materials, 2020, 33, 460-469.	9.5	36
32	Impact of biomass inorganic impurities on hard carbon properties and performance in Na-ion batteries. Sustainable Materials and Technologies, 2020, 26, e00227.	1.7	25
33	Unraveling the Charge Storage Mechanism of Ti₃C₂T<i>_{<i>x</i>}</i> MXene Electrode in Acidic Electrolyte. ACS Energy Letters, 2020, 5, 2873-2880.	8.8	129
34	Perspectives for electrochemical capacitors and related devices. Nature Materials, 2020, 19, 1151-1163.	13.3	1,187
35	Computational Insights into Charge Storage Mechanisms of Supercapacitors. Energy and Environmental Materials, 2020, 3, 235-246.	7.3	49
36	Dual-Cation Electrolytes for High-Power and High-Energy LTO//AC Hybrid Capacitors. Journal of Physical Chemistry C, 2020, 124, 12230-12238.	1.5	10

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37	Practical Works on Nanotechnology: Middle School to Undergraduate Students. IEEE Nanotechnology Magazine, 2020, 14, 21-28.	0.9	3
38	MXenes as High-Rate Electrodes for Energy Storage. Trends in Chemistry, 2020, 2, 654-664.	4.4	81
39	Fast Charging Materials for High Power Applications. Advanced Energy Materials, 2020, 10, 2001128.	10.2	136
40	Interlayer gap widened Î±-phase molybdenum trioxide as high-rate anodes for dual-ion-intercalation energy storage devices. Nature Communications, 2020, 11, 1348.	5.8	100
41	Self-supported binder-free hard carbon electrodes for sodium-ion batteries: insights into their sodium storage mechanisms. Journal of Materials Chemistry A, 2020, 8, 5558-5571.	5.2	60
42	Designing ionic channels in novel carbons for electrochemical energy storage. National Science Review, 2020, 7, 191-201.	4.6	42
43	Noncrystalline Nanocomposites as a Remedy for the Low Diffusivity of Multivalent Ions in Battery Cathodes. Chemistry of Materials, 2020, 32, 1011-1021.	3.2	19
44	Modifications of MXene layers for supercapacitors. Nano Energy, 2020, 73, 104734.	8.2	149
45	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. Nature Materials, 2020, 19, 894-899.	13.3	870
46	Nanoporous carbon for electrochemical capacitive energy storage. Chemical Society Reviews, 2020, 49, 3005-3039.	18.7	391
47	<i>In Situ</i> Magnetic Resonance Imaging of a Complete Supercapacitor Giving Additional Insight on the Role of Nanopores. ACS Nano, 2019, 13, 12810-12815.	7.3	23
48	On the development of an original mesoscopic model to predict the capacitive properties of carbon-carbon supercapacitors. Electrochimica Acta, 2019, 327, 135022.	2.6	16
49	Energy Storage Data Reporting in Perspectiveâ€”Guidelines for Interpreting the Performance of Electrochemical Energy Storage Systems. Advanced Energy Materials, 2019, 9, 1902007.	10.2	793
50	Charge Storage Mechanisms of Single-Layer Graphene in Ionic Liquid. Journal of the American Chemical Society, 2019, 141, 16559-16563.	6.6	67
51	Understanding ageing mechanisms of porous carbons in non-aqueous electrolytes for supercapacitors applications. Journal of Power Sources, 2019, 434, 226734.	4.0	19
52	Effect of the carbon microporous structure on the capacitance of aqueous supercapacitors. Energy Storage Materials, 2019, 21, 190-195.	9.5	48
53	3D Macroscopic Architectures from Selfâ€Assembled MXene Hydrogels. Advanced Functional Materials, 2019, 29, 1903960.	7.8	360
54	Fast Electrochemical Storage Process in Sputtered Nb₂O₅ Porous Thin Films. ACS Nano, 2019, 13, 5826-5832.	7.3	29

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55	A SAXS outlook on disordered carbonaceous materials for electrochemical energy storage. Energy Storage Materials, 2019, 21, 162-173.	9.5	95
56	Characterization of the mass transfer fluxes in a capacitive desalination cell by using FeIII(CN)63âˆ'/FeII(CN)64âˆ' redox couple as an electrochemical probe. Journal of Electroanalytical Chemistry, 2019, 842, 127-132.	1.9	3
57	3D rGO aerogel with superior electrochemical performance for K â€“ Ion battery. Energy Storage Materials, 2019, 19, 306-313.	9.5	70
58	Influences from solvents on charge storage in titanium carbide MXenes. Nature Energy, 2019, 4, 241-248.	19.8	363
59	Synthesis of T-Nb2O5 thin-films deposited by Atomic Layer Deposition for miniaturized electrochemical energy storage devices. Energy Storage Materials, 2019, 16, 581-588.	9.5	40
60	Electrochemical study of pseudocapacitive behavior of Ti3C2Tx MXene material in aqueous electrolytes. Energy Storage Materials, 2019, 18, 456-461.	9.5	111
61	Investigation of ion transport in chemically tuned pillared graphene materials through electrochemical impedance analysis. Electrochimica Acta, 2019, 296, 882-890.	2.6	27
62	Sparsely Pillared Graphene Materials for High-Performance Supercapacitors: Improving Ion Transport and Storage Capacity. ACS Nano, 2019, 13, 1443-1453.	7.3	81
63	MXenes for Supercapacitor Application. , 2019, , 349-365.		3
64	Ultrafast Synthesis of Calcium Vanadate for Superior Aqueous Calcium-Ion Battery. Research, 2019, 2019, 6585686.	2.8	14
65	Advanced analytical techniques to characterize materials for electrochemical capacitors. Current Opinion in Electrochemistry, 2018, 9, 18-25.	2.5	28
66	Blue Energy and Desalination with Nanoporous Carbon Electrodes: Capacitance from Molecular Simulations to Continuous Models. Physical Review X, 2018, 8, .	2.8	23
67	Ion Sieving Effects in Chemically Tuned Pillared Graphene Materials for Electrochemical Capacitors. Chemistry of Materials, 2018, 30, 3040-3047.	3.2	37
68	Materials for supercapacitors: When Li-ion battery power is not enough. Materials Today, 2018, 21, 419-436.	8.3	335
69	Proton Ion Exchange Reaction in Li₃IrO₄: A Way to New H₃₊<i>_x</i>IrO₄ Phases Electrochemically Active in Both Aqueous and Nonaqueous Electrolytes. Advanced Energy Materials, 2018, 8, 1702855.	10.2	29
70	Tracking Ionic Rearrangements and Interpreting Dynamic Volumetric Changes in Twoâ€Dimensional Metal Carbide Supercapacitors: A Molecular Dynamics Simulation Study. ChemSusChem, 2018, 11, 1892-1899.	3.6	50
71	Stabilizing the Structure of LiCoPO4 Nanocrystals via Addition of Fe3+: Formation of Fe3+ Surface Layer, Creation of Diffusion-Enhancing Vacancies, and Enabling High-Voltage Battery Operation. Chemistry of Materials, 2018, 30, 6675-6683.	3.2	16
72	Salt-template synthesis of mesoporous carbon monolith for ionogel-based supercapacitors. Electrochemistry Communications, 2018, 96, 6-10.	2.3	27

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73	Direct Laser Writing of Graphene Made from Chemical Vapor Deposition for Flexible, Integratable Microâ€Supercapacitors with Ultrahigh Power Output. Advanced Materials, 2018, 30, e1801384.	11.1	178
74	Tracking ionic fluxes in porous carbon electrodes from aqueous electrolyte mixture at various pH. Electrochemistry Communications, 2018, 93, 119-122.	2.3	22
75	Tracking Ionic Rearrangements and Interpreting Dynamic Volumetric Changes in Twoâ€Dimensional Metal Carbide Supercapacitors: A Molecular Dynamics Simulation Study. ChemSusChem, 2018, 11, 1889-1889.	3.6	3
76	Cation-Disordered Li₃VO₄: Reversible Li Insertion/Deinsertion Mechanism for Quasi Li-Rich Layered Li_{1+<i>x</i>}[V_{1/2}Li_{1/2}]O₂ (<i>x</i> = 0â€“1). Chemistry of Materials, 2018, 30, 4926-4934.	3.2	26
77	Eco-Friendly Synthesis of Nitrogen-Doped Mesoporous Carbon for Supercapacitor Application. Journal of Carbon Research, 2018, 4, 20.	1.4	12
78	Laser-scribed Ru organometallic complex for the preparation of RuO2 micro-supercapacitor electrodes on flexible substrate. Electrochimica Acta, 2018, 281, 816-821.	2.6	41
79	Hard carbons derived from green phenolic resins for Na-ion batteries. Carbon, 2018, 139, 248-257.	5.4	131
80	Two-Dimensional MXene with Controlled Interlayer Spacing for Electrochemical Energy Storage. ACS Nano, 2017, 11, 2393-2396.	7.3	178
81	Proton conducting Gel Polymer Electrolytes for supercapacitor applications. Electrochimica Acta, 2017, 242, 31-37.	2.6	52
82	Anthraquinone modification of microporous carbide derived carbon films for on-chip micro-supercapacitors applications. Electrochimica Acta, 2017, 246, 391-398.	2.6	29
83	Outstanding room-temperature capacitance of biomass-derived microporous carbons in ionic liquid electrolyte. Electrochemistry Communications, 2017, 79, 5-8.	2.3	20
84	Sputtered Titanium Carbide Thick Film for High Areal Energy on Chip Carbonâ€Based Microâ€Supercapacitors. Advanced Functional Materials, 2017, 27, 1606813.	7.8	45
85	Materials for Electrochemical Capacitors. , 2017, , 495-561.		25
86	Improved electro-grafting of nitropyrene onto onion-like carbon via in situ electrochemical reduction and polymerization: tailoring redox energy density of the supercapacitor positive electrode. Journal of Materials Chemistry A, 2017, 5, 1488-1494.	5.2	21
87	Ultracentrifugation: An effective novel route to ultrafast nanomaterials for hybrid supercapacitors. Current Opinion in Electrochemistry, 2017, 6, 120-126.	2.5	8
88	Electrochemical double layer capacitors: What is next beyond the corner?. Current Opinion in Electrochemistry, 2017, 6, 115-119.	2.5	38
89	Partial breaking of the Coulombic ordering of ionic liquids confined in carbon nanopores. Nature Materials, 2017, 16, 1225-1232.	13.3	219
90	Understanding of carbon-based supercapacitors ageing mechanisms by electrochemical and analytical methods. Journal of Power Sources, 2017, 366, 123-130.	4.0	54

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91	Ultra-high-rate pseudocapacitive energy storage in two-dimensional transition metal carbides. Nature Energy, 2017, 2, .	19.8	1,626
92	Dense on Porous Solid <scp>LATP</scp> Electrolyte System: Preparation and Conductivity Measurement. Journal of the American Ceramic Society, 2017, 100, 141-149.	1.9	28
93	Enhanced Hybrid Supercapacitors Utilizing Nanostructured Metal Oxides. , 2017, , 247-264.		5
94	Non-Intrusive Battery Health Monitoring. E3S Web of Conferences, 2017, 16, 07006.	0.2	1
95	Ultrafast Nanocrystallineâ€TiO₂(B)/Carbon Nanotube Hyperdispersion Prepared via Combined Ultracentrifugation and Hydrothermal Treatments for Hybrid Supercapacitors. Advanced Materials, 2016, 28, 6751-6757.	11.1	58
96	On-chip carbide derived carbon films for high performance micro-supercapacitors. , 2016, , .		1
97	Ultrafast chargeâ€“discharge characteristics of a nanosized coreâ€“shell structured LiFePO₄ material for hybrid supercapacitor applications. Energy and Environmental Science, 2016, 9, 2143-2151.	15.6	117
98	Design of Fe3â€“xO4 raspberry decorated graphene nanocomposites with high performances in lithium-ion battery. Journal of Energy Chemistry, 2016, 25, 272-277.	7.1	11
99	Multi-scale modelling of supercapacitors: From molecular simulations to a transmission line model. Journal of Power Sources, 2016, 326, 680-685.	4.0	62
100	Capacitance of Ti3C2Tx MXene in ionic liquid electrolyte. Journal of Power Sources, 2016, 326, 575-579.	4.0	250
101	Enhanced Electrochemical Performance of Ultracentrifugation-Derived nc-Li₃VO₄/MWCNT Composites for Hybrid Supercapacitors. ACS Nano, 2016, 10, 5398-5404.	7.3	78
102	Relationship between the carbon nano-onions (CNOs) surface chemistry/defects and their capacitance in aqueous and organic electrolytes. Carbon, 2016, 105, 628-637.	5.4	84
103	Capacitance of Nanoporous Carbon-Based Supercapacitors Is a Trade-Off between the Concentration and the Separability of the Ions. Journal of Physical Chemistry Letters, 2016, 7, 4015-4021.	2.1	72
104	Efficient storage mechanisms for building better supercapacitors. Nature Energy, 2016, 1, .	19.8	1,655
105	Electrochemical and in-situ X-ray diffraction studies of Ti 3 C 2 T x MXene in ionic liquid electrolyte. Electrochemistry Communications, 2016, 72, 50-53.	2.3	134
106	Electrochemical kinetics of nanostructure LiFePO 4 /graphitic carbon electrodes. Electrochemistry Communications, 2016, 72, 10-14.	2.3	21
107	Electrochemical behavior of high performance on-chip porous carbon films for micro-supercapacitors applications in organic electrolytes. Journal of Power Sources, 2016, 328, 520-526.	4.0	35
108	Increase in Capacitance by Subnanometer Pores in Carbon. ACS Energy Letters, 2016, 1, 1262-1265.	8.8	173

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109	High power density aqueous hybrid supercapacitor combining activated carbon and highly conductive spinel cobalt oxide. Journal of Power Sources, 2016, 331, 277-284.	4.0	58
110	Electrochemical Study of Conductive Nanometric Co₃O₄- Based Electrodes for Asymmetric Supercapacitors in Alkaline Electrolyte. Journal of the Electrochemical Society, 2016, 163, A2004-A2010.	1.3	13
111	Graphene-Based Supercapacitors Using Eutectic Ionic Liquid Mixture Electrolyte. Electrochimica Acta, 2016, 206, 446-451.	2.6	63
112	High capacitance of coarse-grained carbide derived carbon electrodes. Journal of Power Sources, 2016, 306, 32-41.	4.0	65
113	On-chip and freestanding elastic carbon films for micro-supercapacitors. Science, 2016, 351, 691-695.	6.0	623
114	Ionogel-based solid-state supercapacitor operating over a wide range of temperature. Electrochimica Acta, 2016, 206, 490-495.	2.6	84
115	Understanding the different (dis)charging steps of supercapacitors: influence of potential and solvation. Electrochimica Acta, 2016, 206, 504-512.	2.6	22
116	Capacitance of two-dimensional titanium carbide (MXene) and MXene/carbon nanotube composites in organic electrolytes. Journal of Power Sources, 2016, 306, 510-515.	4.0	245
117	Nanomaterials for Electrochemical Energy Storage: the Good and the Bad. Acta Chimica Slovenica, 2016, 63, 417-423.	0.2	30
118	Two-Dimensional Vanadium Carbide (MXene) as Positive Electrode for Sodium-Ion Capacitors. Journal of Physical Chemistry Letters, 2015, 6, 2305-2309.	2.1	358
119	Single Electrode Capacitances of Porous Carbons in Neat Ionic Liquid Electrolyte at 100Â°C: A Combined Experimental and Modeling Approach. Journal of the Electrochemical Society, 2015, 162, A5091-A5095.	1.3	32
120	Anionic redox chemistry in Na-rich Na 2 Ru 1âˆ’y Sn y O 3 positive electrode material for Na-ion batteries. Electrochemistry Communications, 2015, 53, 29-32.	2.3	103
121	Graphene-like carbide derived carbon for high-power supercapacitors. Nano Energy, 2015, 12, 197-206.	8.2	114
122	Solvent-Free Electrolytes for Electrical Double Layer Capacitors. Journal of the Electrochemical Society, 2015, 162, A5037-A5040.	1.3	44
123	In situ NMR and electrochemical quartz crystal microbalance techniques reveal the structure of the electrical double layer in supercapacitors. Nature Materials, 2015, 14, 812-819.	13.3	296
124	NMR Study of Ion Dynamics and Charge Storage in Ionic Liquid Supercapacitors. Journal of the American Chemical Society, 2015, 137, 7231-7242.	6.6	182
125	Investigating the n- and p-Type Electrolytic Charging of Colloidal Nanoplatelets. Journal of Physical Chemistry C, 2015, 119, 21795-21799.	1.5	57
126	TiC-carbide derived carbon electrolyte adsorption study by ways of X-ray scattering analysis. Materials for Renewable and Sustainable Energy, 2015, 4, 17.	1.5	6

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127	Confinement, Desolvation, And Electrosorption Effects on the Diffusion of Ions in Nanoporous Carbon Electrodes. Journal of the American Chemical Society, 2015, 137, 12627-12632.	6.6	152
128	Non-aqueous gel polymer electrolyte with phosphoric acid ester and its application for quasi solid-state supercapacitors. Journal of Power Sources, 2015, 274, 1147-1154.	4.0	62
129	Outer and Inner Surface Contribution of Manganese Dioxides Energy Storage Characterization by Cavity Microelectrode Technique. ECS Transactions, 2014, 58, 53-59.	0.3	4
130	Ion counting in supercapacitor electrodes using NMR spectroscopy. Faraday Discussions, 2014, 176, 49-68.	1.6	95
131	High capacitance of surface-modified 2D titanium carbide in acidic electrolyte. Electrochemistry Communications, 2014, 48, 118-122.	2.3	420
132	Energy applications of ionic liquids. Energy and Environmental Science, 2014, 7, 232-250.	15.6	1,455
133	Where Do Batteries End and Supercapacitors Begin?. Science, 2014, 343, 1210-1211.	6.0	4,605
134	Pseudocapacitive oxide materials for high-rate electrochemical energy storage. Energy and Environmental Science, 2014, 7, 1597.	15.6	4,223
135	Capacitive deionization concept based on suspension electrodes without ion exchange membranes. Electrochemistry Communications, 2014, 43, 18-21.	2.3	109
136	Electrochemical Kinetics of Nanostructured Nb₂O₅Electrodes. Journal of the Electrochemical Society, 2014, 161, A718-A725.	1.3	235
137	Screening Methodology for the Efficient Pairing of Ionic Liquids and Carbonaceous Electrodes Applied to Electric Energy Storage. Journal of Physical Chemistry C, 2014, 118, 864-872.	1.5	18
138	On the Dynamics of Charging in Nanoporous Carbon-Based Supercapacitors. ACS Nano, 2014, 8, 1576-1583.	7.3	201
139	Nanoarchitectured Grapheneâ€Based Supercapacitors for Nextâ€Generation Energyâ€Storage Applications. Chemistry - A European Journal, 2014, 20, 13838-13852.	1.7	274
140	Electrochemical Quartz Crystal Microbalance (EQCM) Study of Ion Dynamics in Nanoporous Carbons. Journal of the American Chemical Society, 2014, 136, 8722-8728.	6.6	248
141	Capacitive Energy Storage in Nanostructured Carbonâ€“Electrolyte Systems. Accounts of Chemical Research, 2013, 46, 1094-1103.	7.6	1,281
142	Structure and Electrochemical Performance of Carbideâ€Derived Carbon Nanopowders. Advanced Functional Materials, 2013, 23, 1081-1089.	7.8	165
143	Preparation of Carbonaceous Materials in Fused Carbonate Salts. , 2013, , 331-354.		1
144	Silicon carbide with tunable ordered mesoporosity. Microporous and Mesoporous Materials, 2013, 180, 172-177.	2.2	14

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145	Synthesis of nanosized MnO2 prepared by the polyol method and its application in high power supercapacitors. Materials for Renewable and Sustainable Energy, 2013, 2, 1.	1.5	10
146	On-chip micro-supercapacitors for operation in a wide temperature range. Electrochemistry Communications, 2013, 36, 53-56.	2.3	110
147	Highly confined ions store charge more efficiently in supercapacitors. Nature Communications, 2013, 4, 2701.	5.8	570
148	Cation Intercalation and High Volumetric Capacitance of Two-Dimensional Titanium Carbide. Science, 2013, 341, 1502-1505.	6.0	3,329
149	Micro-supercapacitors from carbide derived carbon (CDC) films on silicon chips. Journal of Power Sources, 2013, 225, 240-244.	4.0	129
150	Simulating Supercapacitors: Can We Model Electrodes As Constant Charge Surfaces?. Journal of Physical Chemistry Letters, 2013, 4, 264-268.	2.1	220
151	Lithium conducting solid electrolyte Li1.3Al0.3Ti1.7(PO4)3 obtained via solution chemistry. Journal of the European Ceramic Society, 2013, 33, 1145-1153.	2.8	135
152	Preparation of activated carbon from Turbinaria turbinata seaweeds and its use as supercapacitor electrode materials. Comptes Rendus Chimie, 2013, 16, 73-79.	0.2	27
153	High-rate electrochemical energy storage through Li+ intercalation pseudocapacitance. Nature Materials, 2013, 12, 518-522.	13.3	4,021
154	Outstanding performance of activated graphene based supercapacitors in ionic liquid electrolyte from âˆ’50 to 80Â°C. Nano Energy, 2013, 2, 403-411.	8.2	314
155	Nuclear magnetic resonance study of ion adsorption on microporous carbide-derived carbon. Physical Chemistry Chemical Physics, 2013, 15, 7722.	1.3	77
156	Electrochemical Energy Storage: The Benefits of Nanomaterials. , 2013, , 277-298.		3
157	Vertically Oriented Propylene Carbonate Molecules and Tetraethyl Ammonium Ions in Carbon Slit Pores. Journal of Physical Chemistry C, 2013, 117, 5752-5757.	1.5	25
158	Ordered mesoporous silicon carbide-derived carbon for high-power supercapacitors. Electrochemistry Communications, 2013, 34, 109-112.	2.3	75
159	In Situ NMR Spectroscopy of Supercapacitors: Insight into the Charge Storage Mechanism. Journal of the American Chemical Society, 2013, 135, 18968-18980.	6.6	152
160	A Non-Aqueous Asymmetric Cell with a Ti₂C-Based Two-Dimensional Negative Electrode. Journal of the Electrochemical Society, 2012, 159, A1368-A1373.	1.3	332
161	Characterization of commercial supercapacitors for low temperature applications. Journal of Power Sources, 2012, 219, 235-239.	4.0	82
162	Non-Aqueous Li-Based Redox Flow Batteries. Journal of the Electrochemical Society, 2012, 159, A1360-A1367.	1.3	103

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163	On the molecular origin of supercapacitance in nanoporous carbon electrodes. Nature Materials, 2012, 11, 306-310.	13.3	861
164	Wafer-level fabrication process for fully encapsulated micro-supercapacitors with high specific energy. Microsystem Technologies, 2012, 18, 467-473.	1.2	64
165	Steric effects in adsorption of ions from mixed electrolytes into microporous carbon. Electrochemistry Communications, 2012, 15, 63-65.	2.3	61
166	MXene: a promising transition metal carbide anode for lithium-ion batteries. Electrochemistry Communications, 2012, 16, 61-64.	2.3	1,252
167	On the origin of the extra capacity at low potential in materials for Li batteries reacting through conversion reaction. Electrochimica Acta, 2012, 61, 13-18.	2.6	214
168	Electrochemical Kinetic Study of LiFePO4 Using Cavity Microelectrode. Journal of the Electrochemical Society, 2011, 158, A1090.	1.3	114
169	Continuous carbide-derived carbon films with high volumetric capacitance. Energy and Environmental Science, 2011, 4, 135-138.	15.6	168
170	â€œGive Energy to Your Studyâ€• Students Worldwide Gather in Europe To Design Future Materials for Energy Storage and Conversion. Journal of Chemical Education, 2011, 88, 1203-1206.	1.1	0
171	Capacitive Energy Storage from â’50 to 100 Â°C Using an Ionic Liquid Electrolyte. Journal of Physical Chemistry Letters, 2011, 2, 2396-2401.	2.1	361
172	Real-Time NMR Studies of Electrochemical Double-Layer Capacitors. Journal of the American Chemical Society, 2011, 133, 19270-19273.	6.6	145
173	3D lithium ion batteriesâ€"from fundamentals to fabrication. Journal of Materials Chemistry, 2011, 21, 9876.	6.7	231
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