Patrice Simon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67,542 89 252 259 h-index g-index citations papers 75,616 8.51 263 12.4 L-index ext. citations avg, IF ext. papers

#	Paper	IF	Citations
252	The path to high-rate energy storage goes through narrow channels. <i>Joule</i> , 2022 , 6, 28-30	27.8	3
251	Continuous transition from double-layer to Faradaic charge storage in confined electrolytes. <i>Nature Energy</i> , 2022 , 7, 222-228	62.3	15
250	MnO2-MXene Composite as Electrode for Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 030524	3.9	O
249	The effects of local graphitization on the charging mechanisms of microporous carbon supercapacitor electrodes. <i>Electrochemistry Communications</i> , 2022 , 137, 107258	5.1	0
248	Perovskite-type SrVO as high-performance anode materials for Lithium-ion batteries. <i>Advanced Materials</i> , 2021 , e2107262	24	2
247	Exfoliation and Delamination of TiCT MXene Prepared Molten Salt Etching Route. ACS Nano, 2021,	16.7	12
246	Confined water controls capacitance. <i>Nature Materials</i> , 2021 , 20, 1597-1598	27	2
245	Carbon-carbon supercapacitors: Beyond the average pore size or how electrolyte confinement and inaccessible pores affect the capacitance. <i>Journal of Chemical Physics</i> , 2021 , 155, 184703	3.9	2
244	Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13317-13322	16.4	5
243	Simulations of Ionic Liquids Confined in Surface-Functionalized Nanoporous Carbons: Implications for Energy Storage. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4007-4015	5.6	3
242	Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance. <i>Angewandte Chemie</i> , 2021 , 133, 13429-13434	3.6	2
241	Rtktitelbild: Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance (Angew. Chem. 24/2021). <i>Angewandte Chemie</i> , 2021 , 133, 13800-13800	3.6	
240	What Can Text Mining Tell Us About Lithium-Ion Battery Researchers (Habits?. <i>Batteries and Supercaps</i> , 2021 , 4, 689-689	5.6	1
239	Fast X-ray Nanotomography with Sub-10hm Resolution as a Powerful Imaging Tool for Nanotechnology and Energy Storage Applications. <i>Advanced Materials</i> , 2021 , 33, e2008653	24	14
238	Alkali Ions Pre-Intercalated Layered MnO2 Nanosheet for Zinc-Ions Storage. <i>Advanced Energy Materials</i> , 2021 , 11, 2101287	21.8	25
237	An Artificial Interface for High Cell Voltage Aqueous-Based Electrochemical Capacitors. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 070520	3.9	1
236	Two-dimensional MXenes for electrochemical capacitor applications: Progress, challenges and perspectives. <i>Energy Storage Materials</i> , 2021 , 35, 630-660	19.4	71

(2020-2021)

235	What Can Text Mining Tell Us About Lithium-Ion Battery Researchers[Habits?. <i>Batteries and Supercaps</i> , 2021 , 4, 758-766	5.6	6
234	Li-ion storage properties of two-dimensional titanium-carbide synthesized via fast one-pot method in air atmosphere. <i>Nature Communications</i> , 2021 , 12, 5085	17.4	18
233	Titanium Carbide MXene Shows an Electrochemical Anomaly in Water-in-Salt Electrolytes. <i>ACS Nano</i> , 2021 , 15, 15274-15284	16.7	18
232	Mesoscopic simulations of the NMR spectra of porous carbon based supercapacitors: electronic structure and adsorbent reorganisation effects. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 15925-15	5 <i>3</i> 364	2
231	Hard carbon key properties allow for the achievement of high Coulombic efficiency and high volumetric capacity in Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 1743-1758	13	19
230	Dual-Cation Electrolytes for High-Power and High-Energy LTO//AC Hybrid Capacitors. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 12230-12238	3.8	4
229	Practical Works on Nanotechnology: Middle School to Undergraduate Students. <i>IEEE Nanotechnology Magazine</i> , 2020 , 14, 21-28	1.7	1
228	MXenes as High-Rate Electrodes for Energy Storage. <i>Trends in Chemistry</i> , 2020 , 2, 654-664	14.8	40
227	Fast Charging Materials for High Power Applications. <i>Advanced Energy Materials</i> , 2020 , 10, 2001128	21.8	48
226	Interlayer gap widened ⊕hase molybdenum trioxide as high-rate anodes for dual-ion-intercalation energy storage devices. <i>Nature Communications</i> , 2020 , 11, 1348	17.4	55
225	Self-supported binder-free hard carbon electrodes for sodium-ion batteries: insights into their sodium storage mechanisms. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5558-5571	13	28
224	Designing ionic channels in novel carbons for electrochemical energy storage. <i>National Science Review</i> , 2020 , 7, 191-201	10.8	16
223	Noncrystalline Nanocomposites as a Remedy for the Low Diffusivity of Multivalent Ions in Battery Cathodes. <i>Chemistry of Materials</i> , 2020 , 32, 1011-1021	9.6	11
222	Modifications of MXene layers for supercapacitors. <i>Nano Energy</i> , 2020 , 73, 104734	17.1	74
221	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. <i>Nature Materials</i> , 2020 , 19, 894-899	27	368
220	Facile and Scalable Preparation of Ruthenium Oxide-Based Flexible Micro-Supercapacitors. <i>Advanced Energy Materials</i> , 2020 , 10, 1903136	21.8	46
219	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. <i>ACS Applied Materials & Amp; Interfaces</i> , 2020 , 12, 1789-1798	9.5	20
218	Effects of functional groups and anion size on the charging mechanisms in layered electrode materials. <i>Energy Storage Materials</i> , 2020 , 33, 460-469	19.4	12

217	Impact of biomass inorganic impurities on hard carbon properties and performance in Na-ion batteries. <i>Sustainable Materials and Technologies</i> , 2020 , 26, e00227	5.3	9
216	Unraveling the Charge Storage Mechanism of Ti3C2Tx MXene Electrode in Acidic Electrolyte. <i>ACS Energy Letters</i> , 2020 , 5, 2873-2880	20.1	51
215	Perspectives for electrochemical capacitors and related devices. <i>Nature Materials</i> , 2020 , 19, 1151-1163	27	493
214	Computational Insights into Charge Storage Mechanisms of Supercapacitors. <i>Energy and Environmental Materials</i> , 2020 , 3, 235-246	13	19
213	Non - electrochemical Na Ideintercalation from O3 NaVO2. <i>Materials Research Bulletin</i> , 2020 , 121, 1105	3 5 .1	3
212	Comment to the letter to the editor from Costentin etlal. Entitled IDhmic drop correction in electrochemical techniques. Multiple potential step chrono-amperometry at the test bench Energy Storage Materials, 2020, 24, 4-5	19.4	
211	Nanoporous carbon for electrochemical capacitive energy storage. <i>Chemical Society Reviews</i> , 2020 , 49, 3005-3039	58.5	169
210	Energy Storage Data Reporting in Perspective Liuidelines for Interpreting the Performance of Electrochemical Energy Storage Systems. <i>Advanced Energy Materials</i> , 2019 , 9, 1902007	21.8	349
209	Charge Storage Mechanisms of Single-Layer Graphene in Ionic Liquid. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16559-16563	16.4	36
208	Understanding ageing mechanisms of porous carbons in non-aqueous electrolytes for supercapacitors applications. <i>Journal of Power Sources</i> , 2019 , 434, 226734	8.9	12
207	Effect of the carbon microporous structure on the capacitance of aqueous supercapacitors. <i>Energy Storage Materials</i> , 2019 , 21, 190-195	19.4	26
206	3D Macroscopic Architectures from Self-Assembled MXene Hydrogels. <i>Advanced Functional Materials</i> , 2019 , 29, 1903960	15.6	207
205	Fast Electrochemical Storage Process in Sputtered NbO Porous Thin Films. ACS Nano, 2019, 13, 5826-58	3 126.7	17
204	A SAXS outlook on disordered carbonaceous materials for electrochemical energy storage. <i>Energy Storage Materials</i> , 2019 , 21, 162-173	19.4	47
203	Characterization of the mass transfer fluxes in a capacitive desalination cell by using FeIII(CN)63/FeII(CN)64/Fedox couple as an electrochemical probe. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 842, 127-132	4.1	2
202	3D rGO aerogel with superior electrochemical performance for K 🛭 on battery. <i>Energy Storage Materials</i> , 2019 , 19, 306-313	19.4	51
201	Influences from solvents on charge storage in titanium carbide MXenes. <i>Nature Energy</i> , 2019 , 4, 241-246	362.3	229
200	Magnetic Resonance Imaging of a Complete Supercapacitor Giving Additional Insight on the Role of Nanopores. <i>ACS Nano</i> , 2019 , 13, 12810-12815	16.7	18

(2018-2019)

199	On the development of an original mesoscopic model to predict the capacitive properties of carbon-carbon supercapacitors. <i>Electrochimica Acta</i> , 2019 , 327, 135022	6.7	14
198	Ultrafast Synthesis of Calcium Vanadate for Superior Aqueous Calcium-Ion Battery. <i>Research</i> , 2019 , 2019, 6585686	7.8	7
197	MXenes for Supercapacitor Application 2019 , 349-365		2
196	Synthesis of T-Nb2O5 thin-films deposited by Atomic Layer Deposition for miniaturized electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2019 , 16, 581-588	19.4	25
195	Electrochemical study of pseudocapacitive behavior of Ti3C2Tx MXene material in aqueous electrolytes. <i>Energy Storage Materials</i> , 2019 , 18, 456-461	19.4	60
194	Investigation of ion transport in chemically tuned pillared graphene materials through electrochemical impedance analysis. <i>Electrochimica Acta</i> , 2019 , 296, 882-890	6.7	21
193	Sparsely Pillared Graphene Materials for High-Performance Supercapacitors: Improving Ion Transport and Storage Capacity. <i>ACS Nano</i> , 2019 , 13, 1443-1453	16.7	55
192	Advanced analytical techniques to characterize materials for electrochemical capacitors. <i>Current Opinion in Electrochemistry</i> , 2018 , 9, 18-25	7.2	16
191	Blue Energy and Desalination with Nanoporous Carbon Electrodes: Capacitance from Molecular Simulations to Continuous Models. <i>Physical Review X</i> , 2018 , 8,	9.1	15
190	Ion Sieving Effects in Chemically Tuned Pillared Graphene Materials for Electrochemical Capacitors. <i>Chemistry of Materials</i> , 2018 , 30, 3040-3047	9.6	23
189	Materials for supercapacitors: When Li-ion battery power is not enough. <i>Materials Today</i> , 2018 , 21, 419-	- 4:3:6 8	234
188			
	Proton Ion Exchange Reaction in Li3IrO4: A Way to New H3+xIrO4 Phases Electrochemically Active in Both Aqueous and Nonaqueous Electrolytes. <i>Advanced Energy Materials</i> , 2018 , 8, 1702855	21.8	24
187		21.89.6	2416
187 186	in Both Aqueous and Nonaqueous Electrolytes. <i>Advanced Energy Materials</i> , 2018 , 8, 1702855 Cation-Disordered Li3VO4: Reversible Li Insertion/Deinsertion Mechanism for Quasi Li-Rich Layered		
·	in Both Aqueous and Nonaqueous Electrolytes. <i>Advanced Energy Materials</i> , 2018 , 8, 1702855 Cation-Disordered Li3VO4: Reversible Li Insertion/Deinsertion Mechanism for Quasi Li-Rich Layered Li1+x[V1/2Li1/2]O2 (x = 01). <i>Chemistry of Materials</i> , 2018 , 30, 4926-4934 Eco-Friendly Synthesis of Nitrogen-Doped Mesoporous Carbon for Supercapacitor Application.	9.6	16
186	in Both Aqueous and Nonaqueous Electrolytes. <i>Advanced Energy Materials</i> , 2018 , 8, 1702855 Cation-Disordered Li3VO4: Reversible Li Insertion/Deinsertion Mechanism for Quasi Li-Rich Layered Li1+x[V1/2Li1/2]O2 (x = 01). <i>Chemistry of Materials</i> , 2018 , 30, 4926-4934 Eco-Friendly Synthesis of Nitrogen-Doped Mesoporous Carbon for Supercapacitor Application. <i>Journal of Carbon Research</i> , 2018 , 4, 20 Laser-scribed Ru organometallic complex for the preparation of RuO2 micro-supercapacitor	9.6 3·3	16
186	in Both Aqueous and Nonaqueous Electrolytes. <i>Advanced Energy Materials</i> , 2018 , 8, 1702855 Cation-Disordered Li3VO4: Reversible Li Insertion/Deinsertion Mechanism for Quasi Li-Rich Layered Li1+x[V1/2Li1/2]O2 (x = 01). <i>Chemistry of Materials</i> , 2018 , 30, 4926-4934 Eco-Friendly Synthesis of Nitrogen-Doped Mesoporous Carbon for Supercapacitor Application. <i>Journal of Carbon Research</i> , 2018 , 4, 20 Laser-scribed Ru organometallic complex for the preparation of RuO2 micro-supercapacitor electrodes on flexible substrate. <i>Electrochimica Acta</i> , 2018 , 281, 816-821	9.6 3.3 6.7	16 8 30

181	Salt-template synthesis of mesoporous carbon monolith for ionogel-based supercapacitors. <i>Electrochemistry Communications</i> , 2018 , 96, 6-10	5.1	18
180	Direct Laser Writing of Graphene Made from Chemical Vapor Deposition for Flexible, Integratable Micro-Supercapacitors with Ultrahigh Power Output. <i>Advanced Materials</i> , 2018 , 30, e1801384	24	137
179	Tracking ionic fluxes in porous carbon electrodes from aqueous electrolyte mixture at various pH. <i>Electrochemistry Communications</i> , 2018 , 93, 119-122	5.1	16
178	Tracking Ionic Rearrangements and Interpreting Dynamic Volumetric Changes in Two-Dimensional Metal Carbide Supercapacitors: A Molecular Dynamics Simulation Study. <i>ChemSusChem</i> , 2018 , 11, 1889-	-1889	Ο
177	Two-Dimensional MXene with Controlled Interlayer Spacing for Electrochemical Energy Storage. <i>ACS Nano</i> , 2017 , 11, 2393-2396	16.7	123
176	Proton conducting Gel Polymer Electrolytes for supercapacitor applications. <i>Electrochimica Acta</i> , 2017 , 242, 31-37	6.7	38
175	Anthraquinone modification of microporous carbide derived carbon films for on-chip micro-supercapacitors applications. <i>Electrochimica Acta</i> , 2017 , 246, 391-398	6.7	25
174	Outstanding room-temperature capacitance of biomass-derived microporous carbons in ionic liquid electrolyte. <i>Electrochemistry Communications</i> , 2017 , 79, 5-8	5.1	19
173	Sputtered Titanium Carbide Thick Film for High Areal Energy on Chip Carbon-Based Micro-Supercapacitors. <i>Advanced Functional Materials</i> , 2017 , 27, 1606813	15.6	36
172	Materials for Electrochemical Capacitors 2017 , 495-561		17
172 171	Materials for Electrochemical Capacitors 2017 , 495-561 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. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1488-1494	13	17
	Improved electro-grafting of nitropyrene onto onion-like carbon via in situ electrochemical reduction and polymerization: tailoring redox energy density of the supercapacitor positive	13 7.2	
171	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. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1488-1494 Ultracentrifugation: An effective novel route to ultrafast nanomaterials for hybrid supercapacitors.		18
171 170	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. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1488-1494 Ultracentrifugation: An effective novel route to ultrafast nanomaterials for hybrid supercapacitors. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 120-126 Electrochemical double layer capacitors: What is next beyond the corner?. <i>Current Opinion in</i>	7.2	18
171 170 169	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. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1488-1494 Ultracentrifugation: An effective novel route to ultrafast nanomaterials for hybrid supercapacitors. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 120-126 Electrochemical double layer capacitors: What is next beyond the corner?. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 115-119	7.2	18 6 24
171 170 169	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. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1488-1494 Ultracentrifugation: An effective novel route to ultrafast nanomaterials for hybrid supercapacitors. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 120-126 Electrochemical double layer capacitors: What is next beyond the corner?. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 115-119 Enhanced Hybrid Supercapacitors Utilizing Nanostructured Metal Oxides 2017 , 247-264	7.2	18 6 24
171 170 169 168	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. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1488-1494 Ultracentrifugation: An effective novel route to ultrafast nanomaterials for hybrid supercapacitors. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 120-126 Electrochemical double layer capacitors: What is next beyond the corner?. <i>Current Opinion in Electrochemistry</i> , 2017 , 6, 115-119 Enhanced Hybrid Supercapacitors Utilizing Nanostructured Metal Oxides 2017 , 247-264 Non-Intrusive Battery Health Monitoring. <i>E3S Web of Conferences</i> , 2017 , 16, 07006 Partial breaking of the Coulombic ordering of ionic liquids confined in carbon nanopores. <i>Nature</i>	7.2 7.2 0.5	18 6 24 4

163	Dense on Porous Solid LATP Electrolyte System: Preparation and Conductivity Measurement. Journal of the American Ceramic Society, 2017 , 100, 141-149	3.8	17
162	2017,		27
161	Electrochemical and in-situ X-ray diffraction studies of Ti 3 C 2 T x MXene in ionic liquid electrolyte. <i>Electrochemistry Communications</i> , 2016 , 72, 50-53	5.1	92
160	Electrochemical kinetics of nanostructure LiFePO 4 /graphitic carbon electrodes. <i>Electrochemistry Communications</i> , 2016 , 72, 10-14	5.1	16
159	Electrochemical behavior of high performance on-chip porous carbon films for micro-supercapacitors applications in organic electrolytes. <i>Journal of Power Sources</i> , 2016 , 328, 520-526	8.9	31
158	Increase in Capacitance by Subnanometer Pores in Carbon. ACS Energy Letters, 2016, 1, 1262-1265	20.1	133
157	High power density aqueous hybrid supercapacitor combining activated carbon and highly conductive spinel cobalt oxide. <i>Journal of Power Sources</i> , 2016 , 331, 277-284	8.9	45
156	Electrochemical Study of Conductive Nanometric Co3O4- Based Electrodes for Asymmetric Supercapacitors in Alkaline Electrolyte. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2004-A2010	3.9	9
155	Graphene-Based Supercapacitors Using Eutectic Ionic Liquid Mixture Electrolyte. <i>Electrochimica Acta</i> , 2016 , 206, 446-451	6.7	56
154	High capacitance of coarse-grained carbide derived carbon electrodes. <i>Journal of Power Sources</i> , 2016 , 306, 32-41	8.9	50
153	On-chip and freestanding elastic carbon films for micro-supercapacitors. <i>Science</i> , 2016 , 351, 691-5	33.3	522
152	Ionogel-based solid-state supercapacitor operating over a wide range of temperature. <i>Electrochimica Acta</i> , 2016 , 206, 490-495	6.7	65
151	Understanding the different (dis)charging steps of supercapacitors: influence of potential and solvation. <i>Electrochimica Acta</i> , 2016 , 206, 504-512	6.7	15
150	Capacitance of two-dimensional titanium carbide (MXene) and MXene/carbon nanotube composites in organic electrolytes. <i>Journal of Power Sources</i> , 2016 , 306, 510-515	8.9	182
149	Nanomaterials for Electrochemical Energy Storage: the Good and the Bad. <i>Acta Chimica Slovenica</i> , 2016 , 63, 417-23	1.9	23
148	Ultrafast Nanocrystalline-TiO2 (B)/Carbon Nanotube Hyperdispersion Prepared via Combined Ultracentrifugation and Hydrothermal Treatments for Hybrid Supercapacitors. <i>Advanced Materials</i> , 2016 , 28, 6751-7	24	50
147	On-chip carbide derived carbon films for high performance micro-supercapacitors 2016,		1
146	Ultrafast chargedischarge characteristics of a nanosized corelinell structured LiFePO4 material for hybrid supercapacitor applications. <i>Energy and Environmental Science</i> , 2016 , 9, 2143-2151	35.4	99

145	Design of Fe3NO4 raspberry decorated graphene nanocomposites with high performances in lithium-ion battery. <i>Journal of Energy Chemistry</i> , 2016 , 25, 272-277	12	9
144	Multi-scale modelling of supercapacitors: From molecular simulations to a transmission line model. <i>Journal of Power Sources</i> , 2016 , 326, 680-685	8.9	36
143	Capacitance of Ti3C2Tx MXene in ionic liquid electrolyte. <i>Journal of Power Sources</i> , 2016 , 326, 575-579	8.9	163
142	Enhanced Electrochemical Performance of Ultracentrifugation-Derived nc-Li3VO4/MWCNT Composites for Hybrid Supercapacitors. <i>ACS Nano</i> , 2016 , 10, 5398-404	16.7	63
141	Relationship between the carbon nano-onions (CNOs) surface chemistry/defects and their capacitance in aqueous and organic electrolytes. <i>Carbon</i> , 2016 , 105, 628-637	10.4	58
140	Capacitance of Nanoporous Carbon-Based Supercapacitors Is a Trade-Off between the Concentration and the Separability of the Ions. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4015-4021	6.4	62
139	Efficient storage mechanisms for building better supercapacitors. <i>Nature Energy</i> , 2016 , 1,	62.3	1256
138	Solvent-Free Electrolytes for Electrical Double Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A5037-A5040	3.9	36
137	In situ NMR and electrochemical quartz crystal microbalance techniques reveal the structure of the electrical double layer in supercapacitors. <i>Nature Materials</i> , 2015 , 14, 812-9	27	233
136	NMR Study of Ion Dynamics and Charge Storage in Ionic Liquid Supercapacitors. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7231-42	16.4	148
135	Investigating the n- and p-Type Electrolytic Charging of Colloidal Nanoplatelets. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21795-21799	3.8	52
134	TiC-carbide derived carbon electrolyte adsorption study by ways of X-ray scattering analysis. Materials for Renewable and Sustainable Energy, 2015 , 4, 17	4.7	4
133	Confinement, Desolvation, And Electrosorption Effects on the Diffusion of Ions in Nanoporous Carbon Electrodes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12627-32	16.4	116
132	Non-aqueous gel polymer electrolyte with phosphoric acid ester and its application for quasi solid-state supercapacitors. <i>Journal of Power Sources</i> , 2015 , 274, 1147-1154	8.9	54
131	2015,		3
130	Two-Dimensional Vanadium Carbide (MXene) as Positive Electrode for Sodium-Ion Capacitors. Journal of Physical Chemistry Letters, 2015 , 6, 2305-9	6.4	294
129	Single Electrode Capacitances of Porous Carbons in Neat Ionic Liquid Electrolyte at 100°C: A Combined Experimental and Modeling Approach. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A50	91:9A5(1933
128	Anionic redox chemistry in Na-rich Na 2 Ru 1 I Sn y O 3 positive electrode material for Na-ion batteries. <i>Electrochemistry Communications</i> , 2015 , 53, 29-32	5.1	83

127	Graphene-like carbide derived carbon for high-power supercapacitors. <i>Nano Energy</i> , 2015 , 12, 197-206	17.1	101
126	Pseudocapacitive oxide materials for high-rate electrochemical energy storage. <i>Energy and Environmental Science</i> , 2014 , 7, 1597	35.4	3208
125	Capacitive deionization concept based on suspension electrodes without ion exchange membranes. <i>Electrochemistry Communications</i> , 2014 , 43, 18-21	5.1	91
124	Electrochemical Kinetics of Nanostructured Nb2O5Electrodes. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A718-A725	3.9	188
123	Screening Methodology for the Efficient Pairing of Ionic Liquids and Carbonaceous Electrodes Applied to Electric Energy Storage. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 864-872	3.8	15
122	On the dynamics of charging in nanoporous carbon-based supercapacitors. <i>ACS Nano</i> , 2014 , 8, 1576-83	16.7	151
121	Nanoarchitectured graphene-based supercapacitors for next-generation energy-storage applications. <i>Chemistry - A European Journal</i> , 2014 , 20, 13838-52	4.8	245
120	Electrochemical quartz crystal microbalance (EQCM) study of ion dynamics in nanoporous carbons. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8722-8	16.4	192
119	Ion counting in supercapacitor electrodes using NMR spectroscopy. Faraday Discussions, 2014, 176, 49-6	58 .6	75
118	High capacitance of surface-modified 2D titanium carbide in acidic electrolyte. <i>Electrochemistry Communications</i> , 2014 , 48, 118-122	5.1	308
117	Energy applications of ionic liquids. <i>Energy and Environmental Science</i> , 2014 , 7, 232-250	35.4	1244
116	Materials science. Where do batteries end and supercapacitors begin?. <i>Science</i> , 2014 , 343, 1210-1	33.3	3680
115	Capacitive energy storage in nanostructured carbon-electrolyte systems. <i>Accounts of Chemical Research</i> , 2013 , 46, 1094-103	24.3	1112
114	Structure and Electrochemical Performance of Carbide-Derived Carbon Nanopowders. <i>Advanced Functional Materials</i> , 2013 , 23, 1081-1089	15.6	153
113	Preparation of Carbonaceous Materials in Fused Carbonate Salts: Applications to Electrochemical Storages Devices 2013 , 331-354		1
112	Silicon carbide with tunable ordered mesoporosity. <i>Microporous and Mesoporous Materials</i> , 2013 , 180, 172-177	5.3	11
111	Synthesis of nanosized MnO2 prepared by the polyol method and its application in high power supercapacitors. <i>Materials for Renewable and Sustainable Energy</i> , 2013 , 2, 1	4.7	9
110	On-chip micro-supercapacitors for operation in a wide temperature range. <i>Electrochemistry Communications</i> , 2013 , 36, 53-56	5.1	94

109	Highly confined ions store charge more efficiently in supercapacitors. <i>Nature Communications</i> , 2013 , 4, 2701	17.4	328
108	Cation intercalation and high volumetric capacitance of two-dimensional titanium carbide. <i>Science</i> , 2013 , 341, 1502-5	33.3	2510
107	Micro-supercapacitors from carbide derived carbon (CDC) films on silicon chips. <i>Journal of Power Sources</i> , 2013 , 225, 240-244	8.9	120
106	Simulating Supercapacitors: Can We Model Electrodes As Constant Charge Surfaces?. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 264-8	6.4	170
105	Lithium conducting solid electrolyte Li1.3Al0.3Ti1.7(PO4)3 obtained via solution chemistry. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 1145-1153	6	107
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