

# Volker Presser

## List of Publications by Year in descending order

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263  
papers

35,396  
citations

11908

72  
h-index

3941

183  
g-index

280  
all docs

280  
docs citations

280  
times ranked

29150  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-assisted removal of polar and ionic organic compounds from water using activated carbon felts. <i>Chemical Engineering Journal</i> , 2022, 433, 133544.	6.6	11
2	Particle size distribution influence on capacitive deionization: Insights for electrode preparation. <i>Desalination</i> , 2022, 525, 115503.	4.0	17
3	Editorial introducing <i>Energy Advances</i> . <i>Energy Advances</i> , 2022, 1, 7-8.	1.4	0
4	Ionophobicity of carbon sub-nanometer pores enables efficient desalination at high salinity. <i>Cell Reports Physical Science</i> , 2022, 3, 100689.	2.8	7
5	Time-Dependent Cation Selectivity of Titanium Carbide MXene in Aqueous Solution. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	4
6	Emerging, hydrogen-driven electrochemical water purification. <i>Electrochemistry Communications</i> , 2022, 136, 107211.	2.3	14
7	Design of high-performance antimony/MXene hybrid electrodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10569-10585.	5.2	12
8	Continuous transition from double-layer to Faradaic charge storage in confined electrolytes. <i>Nature Energy</i> , 2022, 7, 222-228.	19.8	130
9	Layered Nano-Mosaic of Niobium Disulfide Heterostructures by Direct Sulfidation of Niobium Carbide MXenes for Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	6
10	Graphene Acid for Lithium-Ion Batteries—Carboxylation Boosts Storage Capacity in Graphene. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	25
11	Spray-dried pneumococcal membrane vesicles are promising candidates for pulmonary immunization. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121794.	2.6	6
12	Recent advances in wastewater treatment using semiconductor photocatalysts. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 36, 100644.	3.2	33
13	Layered Titanium Niobium Oxides Derived from Solid-Solution Ti-Nb Carbides (MXene) as Anode Materials for Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 8132-8142.	2.5	9
14	(Digital Presentation) Design of High-Performance Antimony / MXene Hybrid Electrodes for Sodium-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 97-97.	0.0	0
15	Monitoring the thermally induced transition from sp <sup>3</sup> -hybridized into sp <sup>2</sup> -hybridized carbons. <i>Carbon</i> , 2021, 172, 214-227.	5.4	41
16	Dye-Loaded Mechanochromic and pH-Responsive Elastomeric Opal Films. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000557.	2.0	7
17	Antimony alloying electrode for high-performance sodium removal: how to use a battery material not stable in aqueous media for saline water remediation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 585-596.	5.2	11
18	Effect of pore geometry on ultra-densified hydrogen in microporous carbons. <i>Carbon</i> , 2021, 173, 968-979.	5.4	25

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19	Molecular Understanding of Charge Storage in MoS <sub>2</sub> Supercapacitors with Ionic Liquids. Energy and Environmental Materials, 2021, 4, 631-637.	7.3	20
20	Titanium Niobium Oxide Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> /Carbon Hybrid Electrodes Derived by Mechanochemically Synthesized Carbide for High-Performance Lithium-Ion Batteries. ChemSusChem, 2021, 14, 398-407.	3.6	15
21	Hybrid carbon spherogels: carbon encapsulation of nano-titania. Chemical Communications, 2021, 57, 3905-3908.	2.2	7
22	Structural and chemical characterization of MoO <sub>2</sub> /MoS <sub>2</sub> triple-hybrid materials using electron microscopy in up to three dimensions. Nanoscale Advances, 2021, 3, 1067-1076.	2.2	2
23	Electrochemical lithium recovery with lithium iron phosphate: what causes performance degradation and how can we improve the stability?. Sustainable Energy and Fuels, 2021, 5, 3124-3133.	2.5	14
24	Rings and Chains: Synthesis and Characterization of Polyferrocenylmethylene. Macromolecular Rapid Communications, 2021, 42, 2000738.	2.0	4
25	Superior Wear-Resistance of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Multilayer Coatings. ACS Nano, 2021, 15, 8216-8224.	7.3	125
26	Electrocatalytic fuel cell desalination for continuous energy and freshwater generation. Cell Reports Physical Science, 2021, 2, 100416.	2.8	12
27	Redox-Responsive 2-Aminoanthraquinone Core-Shell Particles for Structural Colors and Carbon Capture. ACS Applied Polymer Materials, 2021, 3, 4651-4660.	2.0	7
28	In Situ Investigation of Expansion during the Lithiation of Pillared MXenes with Ultralarge Interlayer Distance. Journal of Physical Chemistry C, 2021, 125, 20791-20797.	1.5	0
29	Hydration shell energy barrier differences of sub-nanometer carbon pores enable ion sieving and selective ion removal. Chemical Engineering Journal, 2021, 419, 129438.	6.6	22
30	From capacitive deionization to desalination batteries and desalination fuel cells. Current Opinion in Electrochemistry, 2021, 29, 100758.	2.5	14
31	Three-Dimensional Cobalt Hydroxide Hollow Cube/Vertical Nanosheets with High Desalination Capacity and Long-Term Performance Stability in Capacitive Deionization. Research, 2021, 2021, 9754145.	2.8	6
32	High-Entropy Energy Materials in the Age of Big Data: A Critical Guide to Next-Generation Synthesis and Applications. Advanced Energy Materials, 2021, 11, 2102355.	10.2	37
33	Porous Mixed-Metal Oxide Li-Ion Battery Electrodes by Shear-Induced Co-assembly of Precursors and Tailored Polymer Particles. ACS Applied Materials & Interfaces, 2021, 13, 61166-61179.	4.0	12
34	Electrospun vanadium sulfide / carbon hybrid fibers obtained via one-step thermal sulfidation for use as lithium-ion battery electrodes. Journal of Power Sources, 2020, 450, 227674.	4.0	19
35	Permselective ion electrosorption of subnanometer pores at high molar strength enables capacitive deionization of saline water. Sustainable Energy and Fuels, 2020, 4, 1285-1295.	2.5	34
36	Pinning ultrasmall greigite nanoparticles on graphene for effective transition-metal-sulfide supercapacitors in an ionic liquid electrolyte. Journal of Materials Chemistry A, 2020, 8, 25716-25726.	5.2	14

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37	How to speed up ion transport in nanopores. <i>Nature Communications</i> , 2020, 11, 6085.	5.8	57
38	Ionic liquid-based synthesis of MXene. <i>Chemical Communications</i> , 2020, 56, 11082-11085.	2.2	87
39	Hybrid Anodes of Lithium Titanium Oxide and Carbon Onions for Lithium-ion and Sodium-ion Energy Storage. <i>Energy Technology</i> , 2020, 8, 2000679.	1.8	3
40	Persistent and reversible solid iodine electrodeposition in nanoporous carbons. <i>Nature Communications</i> , 2020, 11, 4838.	5.8	52
41	Combining Battery-type and Pseudocapacitive Charge Storage in Ag/Ti <sub>3</sub> C <sub>2</sub> MXene Electrode for Capturing Chloride Ions with High Capacitance and Fast Ion Transport. <i>Advanced Science</i> , 2020, 7, 2000621.	5.6	101
42	MXene/Activated-Carbon Hybrid Capacitive Deionization for Permselective Ion Removal at Low and High Salinity. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26013-26025.	4.0	91
43	Choosing the right carbon additive is of vital importance for high-performance Sb-based Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6092-6104.	5.2	35
44	High-performance ion removal via zinc-air desalination. <i>Electrochemistry Communications</i> , 2020, 115, 106713.	2.3	30
45	Pseudocapacitance: From Fundamental Understanding to High Power Energy Storage Materials. <i>Chemical Reviews</i> , 2020, 120, 6738-6782.	23.0	1,020
46	Self-Sustained Visible-Light-Driven Electrochemical Redox Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32788-32796.	4.0	35
47	Polymer ion-exchange membranes for capacitive deionization of aqueous media with low and high salt concentration. <i>Desalination</i> , 2020, 479, 114331.	4.0	54
48	Comparison of organic electrolytes at various temperatures for 2.8V Li-ion hybrid supercapacitors. <i>Electrochimica Acta</i> , 2020, 337, 135760.	2.6	15
49	Ion Structure Transition Enhances Charging Dynamics in Subnanometer Pores. <i>ACS Nano</i> , 2020, 14, 2395-2403.	7.3	52
50	Charge-transfer materials for electrochemical water desalination, ion separation and the recovery of elements. <i>Nature Reviews Materials</i> , 2020, 5, 517-538.	23.3	360
51	Carbide-Derived Niobium Pentoxide with Enhanced Charge Storage Capacity for Use as a Lithium-Ion Battery Electrode. <i>ACS Applied Energy Materials</i> , 2020, 3, 4275-4285.	2.5	22
52	Dual-Zinc Electrode Electrochemical Desalination. <i>ChemSusChem</i> , 2020, 13, 2792-2798.	3.6	26
53	High voltage asymmetric hybrid supercapacitors using lithium- and sodium-containing ionic liquids. <i>Energy Storage Materials</i> , 2019, 16, 391-399.	9.5	54
54	Reversibly compressible and freestanding monolithic carbon spherogels. <i>Carbon</i> , 2019, 153, 189-195.	5.4	11

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55	Sodium ion removal by hydrated vanadyl phosphate for electrochemical water desalination. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4175-4184.	5.2	46
56	Nanosized titanium niobium oxide/carbon electrodes for lithium-ion energy storage applications. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1776-1789.	2.5	7
57	Comparing pore structure models of nanoporous carbons obtained from small angle X-ray scattering and gas adsorption. <i>Carbon</i> , 2019, 152, 416-423.	5.4	28
58	Low voltage operation of a silver/silver chloride battery with high desalination capacity in seawater. <i>RSC Advances</i> , 2019, 9, 14849-14858.	1.7	64
59	High Electrochemical Seawater Desalination Performance Enabled by an Iodide Redox Electrolyte Paired with a Sodium Superionic Conductor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10132-10142.	3.2	32
60	Reduced Faradaic Contributions and Fast Charging of Nanoporous Carbon Electrodes in a Concentrated Sodium Nitrate Aqueous Electrolyte for Supercapacitors. <i>Energy Technology</i> , 2019, 7, 1900430.	1.8	20
61	Understanding Interlayer Deprotonation of Hydrogen Titanium Oxide for High-Power Electrochemical Energy Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 3633-3641.	2.5	13
62	Gyroidal Niobium Sulfide/Carbon Hybrid Monoliths for Electrochemical Energy Storage. <i>Batteries and Supercaps</i> , 2019, 2, 668-672.	2.4	8
63	Effect of Pore Size on the Ion Electrosorption and Hydrogen/Deuterium Electrosorption Using Sodium Chloride in H <sub>2</sub> O and D <sub>2</sub> O. <i>Journal of the Electrochemical Society</i> , 2019, 166, A4158-A4167.	1.3	8
64	Vanadium (III) Oxide/Carbon Core/Shell Hybrids as an Anode for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 74-82.	2.4	10
65	Redox-electrolytes for non-flow electrochemical energy storage: A critical review and best practice. <i>Progress in Materials Science</i> , 2019, 101, 46-89.	16.0	111
66	Ordered Mesoporous Titania/Carbon Hybrid Monoliths for Lithium-Ion Battery Anodes with High Areal and Volumetric Capacity. <i>Chemistry - A European Journal</i> , 2018, 24, 6358-6363.	1.7	27
67	Systematic comparison of force fields for molecular dynamic simulation of Au(111)/Ionic liquid interfaces. <i>Fluid Phase Equilibria</i> , 2018, 463, 106-113.	1.4	23
68	Valence-Tuned Lithium Titanate Nanopowder for High-Rate Electrochemical Energy Storage. <i>Batteries and Supercaps</i> , 2018, 1, 11-26.	2.4	17
69	Design of Carbon/Metal Oxide Hybrids for Electrochemical Energy Storage. <i>Chemistry - A European Journal</i> , 2018, 24, 12143-12153.	1.7	37
70	Two-Dimensional Molybdenum Carbide (MXene) with Divacancy Ordering for Brackish and Seawater Desalination via Cation and Anion Intercalation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3739-3747.	3.2	183
71	Water Desalination with Energy Storage Electrode Materials. <i>Joule</i> , 2018, 2, 10-15.	11.7	217
72	Nitrogen-containing novolac-derived carbon beads as electrode material for supercapacitors. <i>Carbon</i> , 2018, 132, 220-231.	5.4	75

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73	In-situ nanodiamond to carbon onion transformation in metal matrix composites. Carbon, 2018, 129, 631-636.	5.4	21
74	Electrodeposition of hydrated vanadium pentoxide on nanoporous carbon cloth for hybrid energy storage. Sustainable Energy and Fuels, 2018, 2, 577-588.	2.5	30
75	Potential-Dependent, Switchable Ion Selectivity in Aqueous Media Using Titanium Disulfide. ChemSusChem, 2018, 11, 2091-2100.	3.6	33
76	Fast and stable lithium-ion storage kinetics of anatase titanium dioxide/carbon onion hybrid electrodes. Journal of Materials Chemistry A, 2018, 6, 9480-9488.	5.2	43
77	Charge and Potential Balancing for Optimized Capacitive Deionization Using Lignin-Derived, Low-Cost Activated Carbon Electrodes. ChemSusChem, 2018, 11, 2101-2113.	3.6	68
78	Continuous silicon oxycarbide fiber mats with tin nanoparticles as a high capacity anode for lithium-ion batteries. Sustainable Energy and Fuels, 2018, 2, 215-228.	2.5	32
79	Carbon onion/sulfur hybrid cathodes via inverse vulcanization for lithium-sulfur batteries. Sustainable Energy and Fuels, 2018, 2, 133-146.	2.5	36
80	Binder-Free Hybrid Titanium-Niobium Oxide/Carbon Nanofiber Mats for Lithium-Ion Battery Electrodes. ChemSusChem, 2018, 11, 159-170.	3.6	30
81	Semi-continuous capacitive deionization using multi-channel flow stream and ion exchange membranes. Desalination, 2018, 425, 104-110.	4.0	51
82	Ordered Mesoporous Carbons with High Micropore Content and Tunable Structure Prepared by Combined Hard and Salt Templating as Electrode Materials in Electric Double-Layer Capacitors. Advanced Sustainable Systems, 2018, 2, 1700128.	2.7	46
83	Salt concentration and charging velocity determine ion charge storage mechanism in nanoporous supercapacitors. Nature Communications, 2018, 9, 4145.	5.8	85
84	In Situ Tracking of Partial Sodium Desolvation of Materials with Capacitive, Pseudocapacitive, and Battery-like Charge/Discharge Behavior in Aqueous Electrolytes. Langmuir, 2018, 34, 13132-13143.	1.6	20
85	Frontispiece: Design of Carbon/Metal Oxide Hybrids for Electrochemical Energy Storage. Chemistry - A European Journal, 2018, 24, .	1.7	0
86	Gyroidal Porous Carbon Activated with NH <sub>3</sub> or CO <sub>2</sub> as Lithium-Sulfur Battery Cathodes. Batteries and Supercaps, 2018, 1, 83-94.	2.4	11
87	Atomic Layer-Deposited Molybdenum Oxide/Carbon Nanotube Hybrid Electrodes: The Influence of Crystal Structure on Lithium-Ion Capacitor Performance. ACS Applied Materials & Interfaces, 2018, 10, 18675-18684.	4.0	37
88	Mechanochemical synthesis of porous carbon at room temperature with a highly ordered sp <sup>2</sup> microstructure. Carbon, 2018, 139, 325-333.	5.4	36
89	Valence-Tuned Lithium Titanate Nanopowder for High-Rate Electrochemical Energy Storage. Batteries and Supercaps, 2018, 1, 2-2.	2.4	1
90	Confined Redox Reactions of Iodide in Carbon Nanopores for Fast and Energy-Efficient Desalination of Brackish Water and Seawater. ChemSusChem, 2018, 11, 3460-3472.	3.6	46

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91	Electrospun Hybrid Vanadium Oxide/Carbon Fiber Mats for Lithium- and Sodium-Ion Battery Electrodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 3790-3801.	2.5	21
92	Influence of Nitrogen-Doping for Carbide-Derived Carbons on the Supercapacitor Performance in an Organic Electrolyte and an Ionic Liquid. <i>Batteries and Supercaps</i> , 2018, 1, 135-148.	2.4	17
93	Carbon aerogels with improved flexibility by sphere templating. <i>RSC Advances</i> , 2018, 8, 27326-27331.	1.7	13
94	Silicon Oxycarbide Beads from Continuously Produced Polysilsesquioxane as Stable Anode Material for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 2961-2970.	2.5	31
95	Enhanced desalination via cell voltage extension of membrane capacitive deionization using an aqueous/organic bi-electrolyte. <i>Desalination</i> , 2018, 443, 56-61.	4.0	39
96	Vanadia-titania multilayer nanodecoration of carbon onions via atomic layer deposition for high performance electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2792-2801.	5.2	19
97	Quantification of ion confinement and desolvation in nanoporous carbon supercapacitors with modelling and in situ X-ray scattering. <i>Nature Energy</i> , 2017, 2, .	19.8	210
98	Asymmetric tin-vanadium redox electrolyte for hybrid energy storage with nanoporous carbon electrodes. <i>Sustainable Energy and Fuels</i> , 2017, 1, 299-307.	2.5	49
99	Hydrogen-treated, sub-micrometer carbon beads for fast capacitive deionization with high performance stability. <i>Carbon</i> , 2017, 117, 46-54.	5.4	50
100	Solvent-Free Mechanochemical Synthesis of Nitrogen-Doped Nanoporous Carbon for Electrochemical Energy Storage. <i>ChemSusChem</i> , 2017, 10, 2416-2424.	3.6	109
101	Microporous novolac-derived carbon beads/sulfur hybrid cathode for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 357, 198-208.	4.0	33
102	Tuning pseudocapacitive and battery-like lithium intercalation in vanadium dioxide/carbon onion hybrids for asymmetric supercapacitor anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13039-13051.	5.2	41
103	Nanoconfinement of redox reactions enables rapid zinc iodide energy storage with high efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12520-12527.	5.2	80
104	Enhanced performance stability of carbon/titania hybrid electrodes during capacitive deionization of oxygen saturated saline water. <i>Electrochimica Acta</i> , 2017, 224, 314-328.	2.6	98
105	Carbon onion-sulfur hybrid cathodes for lithium-sulfur batteries. <i>Sustainable Energy and Fuels</i> , 2017, 1, 84-94.	2.5	34
106	Tailored Mesoporous Carbon/Vanadium Pentoxide Hybrid Electrodes for High Power Pseudocapacitive Lithium and Sodium Intercalation. <i>Chemistry of Materials</i> , 2017, 29, 8653-8662.	3.2	34
107	Quantitative Information about Electrosorption of Ionic Liquids in Carbon Nanopores from Electrochemical Dilatometry and Quartz Crystal Microbalance Measurements. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19120-19128.	1.5	23
108	Carbide-derived carbon beads with tunable nanopores from continuously produced polysilsesquioxanes for supercapacitor electrodes. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1588-1600.	2.5	35

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109	Concentration-Gradient Multichannel Flow-Stream Membrane Capacitive Deionization Cell for High Desalination Capacity of Carbon Electrodes. <i>ChemSusChem</i> , 2017, 10, 4914-4920.	3.6	69
110	Pseudocapacitive Desalination of Brackish Water and Seawater with Vanadium-Pentoxide-Decorated Multiwalled Carbon Nanotubes. <i>ChemSusChem</i> , 2017, 10, 3611-3623.	3.6	89
111	In Situ Multilength-Scale Tracking of Dimensional and Viscoelastic Changes in Composite Battery Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27664-27675.	4.0	23
112	Titanium Disulfide: A Promising Low-Dimensional Electrode Material for Sodium Ion Intercalation for Seawater Desalination. <i>Chemistry of Materials</i> , 2017, 29, 9964-9973.	3.2	112
113	In situ multi-length scale approach to understand the mechanics of soft and rigid binder in composite lithium ion battery electrodes. <i>Journal of Power Sources</i> , 2017, 371, 162-166.	4.0	24
114	Influence of pore structure and cell voltage of activated carbon cloth as a versatile electrode material for capacitive deionization. <i>Carbon</i> , 2017, 122, 329-335.	5.4	149
115	Faradaic deionization of brackish and sea water via pseudocapacitive cation and anion intercalation into few-layered molybdenum disulfide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15640-15649.	5.2	167
116	Influence of carbon distribution on the electrochemical performance and stability of lithium titanate based energy storage devices. <i>Electrochimica Acta</i> , 2017, 247, 1006-1018.	2.6	29
117	In Situ Measurement of Electrosorption-Induced Deformation Reveals the Importance of Micropores in Hierarchical Carbons. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23319-23324.	4.0	29
118	Mechanochemistry-assisted synthesis of hierarchical porous carbons applied as supercapacitors. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1332-1341.	1.3	20
119	A carbon nanopore model to quantify structure and kinetics of ion electrosorption with in situ small-angle X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15549-15561.	1.3	39
120	High-Temperature Neutron Diffraction, Raman Spectroscopy, and First-Principles Calculations of $\text{Ti}_3\text{SnC}_2$ and $\text{Ti}_2\text{SnC}$ . <i>Journal of the American Ceramic Society</i> , 2016, 99, 2233-2242.	1.9	15
121	Anomalous or regular capacitance? The influence of pore size dispersity on double-layer formation. <i>Journal of Power Sources</i> , 2016, 326, 660-671.	4.0	115
122	Electrospinning and electrospaying of silicon oxycarbide-derived nanoporous carbon for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2016, 313, 178-188.	4.0	53
123	Improved capacitive deionization performance of mixed hydrophobic/hydrophilic activated carbon electrodes. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 114003.	0.7	61
124	Sputtering of sub-micrometer aluminum layers as compact, high-performance, light-weight current collector for supercapacitors. <i>Journal of Power Sources</i> , 2016, 329, 432-440.	4.0	10
125	High Performance Hybrid Energy Storage with Potassium Ferricyanide Redox Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23676-23687.	4.0	123
126	Porous carbon as a quasi-reference electrode in aqueous electrolytes. <i>Electrochimica Acta</i> , 2016, 222, 1800-1805.	2.6	31

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127	Increase in Capacitance by Subnanometer Pores in Carbon. <i>ACS Energy Letters</i> , 2016, 1, 1262-1265.	8.8	173
128	Niobium carbide nanofibers as a versatile precursor for high power supercapacitor and high energy battery electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16003-16016.	5.2	51
129	High performance stability of titania decorated carbon for desalination with capacitive deionization in oxygenated water. <i>RSC Advances</i> , 2016, 6, 106081-106089.	1.7	32
130	Influence of carbon substrate on the electrochemical performance of carbon/manganese oxide hybrids in aqueous and organic electrolytes. <i>RSC Advances</i> , 2016, 6, 107163-107179.	1.7	14
131	Electrochemical in Situ Tracking of Volumetric Changes in Two-Dimensional Metal Carbides (MXenes) in Ionic Liquids. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32089-32093.	4.0	87
132	Carbon as Quasi-Reference Electrode in Unconventional Lithium-Salt Containing Electrolytes for Hybrid Battery/Supercapacitor Devices. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2956-A2964.	1.3	28
133	Upcycling spent petroleum cracking catalyst: pulsed laser deposition of single-wall carbon nanotubes and silica nanowires. <i>RSC Advances</i> , 2016, 6, 72596-72606.	1.7	5
134	Vanadium pentoxide/carbide-derived carbon core-shell hybrid particles for high performance electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18899-18909.	5.2	30
135	MXene as a novel intercalation-type pseudocapacitive cathode and anode for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18265-18271.	5.2	358
136	Tin/vanadium redox electrolyte for battery-like energy storage capacity combined with supercapacitor-like power handling. <i>Energy and Environmental Science</i> , 2016, 9, 3392-3398.	15.6	121
137	Capacitive deionization in organic solutions: case study using propylene carbonate. <i>RSC Advances</i> , 2016, 6, 5865-5870.	1.7	29
138	Performance evaluation of conductive additives for activated carbon supercapacitors in organic electrolyte. <i>Electrochimica Acta</i> , 2016, 191, 284-298.	2.6	62
139	Review: carbon anions for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3172-3196.	5.2	360
140	Quartz Crystal Microbalance with Dissipation Monitoring (EQCM-D) for in-situ studies of electrodes for supercapacitors and batteries: A mini-review. <i>Electrochemistry Communications</i> , 2016, 67, 16-21.	2.3	76
141	Enhanced Electrochemical Energy Storage by Nanoscopic Decoration of Endohedral and Exohedral Carbon with Vanadium Oxide via Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2016, 28, 2802-2813.	3.2	44
142	Use of Surfactants for Continuous Operation of Aqueous Electrochemical Flow Capacitors. <i>Energy Technology</i> , 2016, 4, 75-84.	1.8	38
143	Sub-micrometer Novolac-Derived Carbon Beads for High Performance Supercapacitors and Redox Electrolyte Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9104-9115.	4.0	53
144	Novel in situ multiharmonic EQCM-D approach to characterize complex carbon pore architectures for capacitive deionization of brackish water. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 114001.	0.7	23

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145	In situ hydrodynamic spectroscopy for structure characterization of porous energy storage electrodes. <i>Nature Materials</i> , 2016, 15, 570-575.	13.3	77
146	Dispersion analysis of carbon nanotubes, carbon onions, and nanodiamonds for their application as reinforcement phase in nickel metal matrix composites. <i>RSC Advances</i> , 2015, 5, 95149-95159.	1.7	72
147	Quinone-Decorated Onion-Like Carbon/Carbon Fiber Hybrid Electrodes for High-Rate Supercapacitor Applications. <i>ChemElectroChem</i> , 2015, 2, 1117-1127.	1.7	49
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