

# Benjamin KrÃ¼ner

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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.	30.8	121
2	Nitrogen-containing novolac-derived carbon beads as electrode material for supercapacitors. <i>Carbon</i> , 2018, 132, 220-231.	10.3	75
3	Charge and Potential Balancing for Optimized Capacitive Deionization Using Lignin-Derived, Low-Cost Activated Carbon Electrodes. <i>ChemSusChem</i> , 2018, 11, 2101-2113.	6.8	68
4	Electrospinning and electrospraying of silicon oxycarbide-derived nanoporous carbon for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2016, 313, 178-188.	7.8	53
5	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.	10.3	51
6	Hydrogen-treated, sub-micrometer carbon beads for fast capacitive deionization with high performance stability. <i>Carbon</i> , 2017, 117, 46-54.	10.3	50
7	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.	6.7	44
8	Carbide-derived carbon beads with tunable nanopores from continuously produced polysilsesquioxanes for supercapacitor electrodes. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1588-1600.	4.9	35
9	Tailored Mesoporous Carbon/Vanadium Pentoxide Hybrid Electrodes for High Power Pseudocapacitive Lithium and Sodium Intercalation. <i>Chemistry of Materials</i> , 2017, 29, 8653-8662.	6.7	34
10	Microporous novolac-derived carbon beads/sulfur hybrid cathode for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2017, 357, 198-208.	7.8	33
11	Continuous silicon oxycarbide fiber mats with tin nanoparticles as a high capacity anode for lithium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 215-228.	4.9	32
12	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.	5.1	31
13	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.	3.1	23
14	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.	10.3	19
15	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.	4.7	17
16	Gyroidal Porous Carbon Activated with $\text{NH}_3$ or $\text{CO}_2$ as Lithium-Sulfur Battery Cathodes. <i>Batteries and Supercaps</i> , 2018, 1, 83-94.	4.7	11