Christian Koczwara

List of Publications by Year
in descending order

11 papers	552 citations	1039880 9 h-index	1281743 11 g-index
12 all docs	12 docs citations	12 times ranked	864 citing authors

#	Article	IF	Citations
1	Quantification of ion confinement and desolvation in nanoporous carbon supercapacitors with modelling and in situ X-ray scattering. Nature Energy, 2017, 2, .	19.8	210
2	Nanoporous activated carbon cloth as a versatile material for hydrogen adsorption, selective gas separation and electrochemical energy storage. Nano Energy, 2017, 40, 49-64.	8.2	101
3	Salt concentration and charging velocity determine ion charge storage mechanism in nanoporous supercapacitors. Nature Communications, 2018, 9, 4145.	5.8	85
4	A carbon nanopore model to quantify structure and kinetics of ion electrosorption with in situ small-angle X-ray scattering. Physical Chemistry Chemical Physics, 2017, 19, 15549-15561.	1.3	39
5	Nanoporous polymer-derived activated carbon for hydrogen adsorption and electrochemical energy storage. Chemical Engineering Journal, 2022, 427, 131730.	6.6	38
6	In Situ Measurement of Electrosorption-Induced Deformation Reveals the Importance of Micropores in Hierarchical Carbons. ACS Applied Materials & Interfaces, 2017, 9, 23319-23324.	4.0	29
7	Nanofibers versus Nanopores: A Comparison of the Electrochemical Performance of Hierarchically Ordered Porous Carbons. ACS Applied Energy Materials, 2019, 2, 5279-5291.	2.5	15
8	Towards Real-Time Ion-Specific Structural Sensitivity in Nanoporous Carbon Electrodes Using In Situ Anomalous Small-Angle X-ray Scattering. ACS Applied Materials & Interfaces, 2019, 11, 42214-42220.	4.0	13
9	Investigating the Impact of E-Mobility on the Electrical Power Grid Using a Simplified Grid Modelling Approach. Energies, 2020, 13, 39.	1.6	12
10	Plasma-Derived Graphene-Based Materials for Water Purification and Energy Storage. Journal of Carbon Research, 2019, 5, 16.	1.4	7
11	A Facile One€Pot Synthesis of Hierarchically Organized Carbon/TiO$_2$ Monoliths with Ordered Mesopores. ChemPlusChem, 2021, 86, 275-283.	1.3	3