

Patrick G Campbell

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,292
citations

394421

19
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

2219
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Azaborine Chemistry. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6074-6092.	13.8	654
2	A Single-Component Liquid-Phase Hydrogen Storage Material. <i>Journal of the American Chemical Society</i> , 2011, 133, 19326-19329.	13.7	203
3	Performance metrics for the objective assessment of capacitive deionization systems. <i>Water Research</i> , 2019, 152, 126-137.	11.3	201
4	Hydrogen Storage by Boron-Nitrogen Heterocycles: A Simple Route for Spent Fuel Regeneration. <i>Journal of the American Chemical Society</i> , 2010, 132, 3289-3291.	13.7	152
5	Energy consumption analysis of constant voltage and constant current operations in capacitive deionization. <i>Desalination</i> , 2016, 400, 18-24.	8.2	123
6	Using Ultramicroporous Carbon for the Selective Removal of Nitrate with Capacitive Deionization. <i>Environmental Science & Technology</i> , 2019, 53, 10863-10870.	10.0	118
7	Resonance Stabilization Energy of 1,2-Azaborines: A Quantitative Experimental Study by Reaction Calorimetry. <i>Journal of the American Chemical Society</i> , 2010, 132, 18048-18050.	13.7	85
8	Quantifying the flow efficiency in constant-current capacitive deionization. <i>Water Research</i> , 2018, 129, 327-336.	11.3	66
9	Specific ion effects at graphitic interfaces. <i>Nature Communications</i> , 2019, 10, 4858.	12.8	62
10	Battery/supercapacitor hybrid via non-covalent functionalization of graphene macro-assemblies. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17764-17770.	10.3	59
11	Cation Selectivity in Capacitive Deionization: Elucidating the Role of Pore Size, Electrode Potential, and Ion Dehydration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42644-42652.	8.0	40
12	Comments on "Comparison of energy consumption in desalination by capacitive deionization and reverse osmosis". <i>Desalination</i> , 2019, 461, 30-36.	8.2	37
13	Charging and Transport Dynamics of a Flow-Through Electrode Capacitive Deionization System. <i>Journal of Physical Chemistry B</i> , 2018, 122, 240-249.	2.6	36
14	Optimizing supercapacitor electrode density: achieving the energy of organic electrolytes with the power of aqueous electrolytes. <i>RSC Advances</i> , 2014, 4, 42942-42946.	3.6	26
15	Synthesis and Characterization of 1,2-Azaborine-Containing Phosphine Ligands: A Comparative Electronic Structure Analysis. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2207-2210.	2.0	23
16	Origins and Implications of Interfacial Capacitance Enhancements in C ₆₀ -Modified Graphene Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36860-36865.	8.0	23
17	Surpassing the conventional limitations of CO ₂ separation membranes with hydroxide/ceramic dual-phase membranes. <i>Journal of Membrane Science</i> , 2018, 567, 191-198.	8.2	22
18	3D-printed nanoporous ceramics: Tunable feedstock for direct ink write and projection microstereolithography. <i>Materials and Design</i> , 2021, 198, 109337.	7.0	20

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19	Solvent-directed sol-gel assembly of 3-dimensional graphene-tented metal oxides and strong synergistic disparities in lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4032-4043.	10.3	19
20	Energy transfer for storage or recovery in capacitive deionization using a DC-DC converter. <i>Journal of Power Sources</i> , 2020, 448, 227409.	7.8	16
21	Universal roles of hydrogen in electrochemical performance of graphene: high rate capacity and atomistic origins. <i>Scientific Reports</i> , 2015, 5, 16190.	3.3	15
22	B-Methyl Amine Borane Derivatives: Synthesis, Characterization, and Hydrogen Release. <i>Australian Journal of Chemistry</i> , 2014, 67, 521.	0.9	14
23	ROMP crosslinkers for the preparation of aliphatic aerogels. <i>Journal of Non-Crystalline Solids</i> , 2015, 408, 98-101.	3.1	12
24	Integration of Fullerenes as Electron Acceptors in 3D Graphene Networks: Enhanced Charge Transfer and Stability through Molecular Design. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28818-28822.	8.0	12
25	Selectivity of nitrate and chloride ions in microporous carbons: the role of anisotropic hydration and applied potentials. <i>Nanoscale</i> , 2020, 12, 20292-20299.	5.6	11
26	Understanding resistances in capacitive deionization devices. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1842-1854.	2.4	5
27	Structural Anomalies and Electronic Properties of an Ionic Liquid under Nanoscale Confinement. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6150-6155.	4.6	5
28	Unraveling the Ion Adsorption Kinetics in Microporous Carbon Electrodes: A Multiscale Quantum-Continuum Simulation and Experimental Approach. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23567-23574.	8.0	4
29	Synthesis and Functionalization of 3D Nano-graphene Materials: Graphene Aerogels and Graphene Macro Assemblies. <i>Journal of Visualized Experiments</i> , 2015, , e53235.	0.3	3
30	Back Cover: Recent Advances in Azaborine Chemistry (<i>Angew. Chem. Int. Ed.</i> 25/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6280-6280.	13.8	1