Qamar Abbas

List of Publications by Year in descending order

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32 papers	2,041 citations	361045 20 h-index	414034 32 g-index
34 all docs	34 docs citations	34 times ranked	2787 citing authors

#	Article	IF	Citations
1	Appropriate methods for evaluating the efficiency and capacitive behavior of different types of supercapacitors. Electrochemistry Communications, 2015, 60, 21-25.	2.3	556
2	Carbon/carbon supercapacitors. Journal of Energy Chemistry, 2013, 22, 226-240.	7.1	275
3	Effect of binder on the performance of carbon/carbon symmetric capacitors in salt aqueous electrolyte. Electrochimica Acta, 2014, 140, 132-138.	2.6	152
4	Carbons with narrow pore size distribution prepared by simultaneous carbonization and self-activation of tobacco stems and their application to supercapacitors. Carbon, 2015, 81, 148-157.	5.4	144
5	Effect of accelerated ageing on the performance of high voltage carbon/carbon electrochemical capacitors in salt aqueous electrolyte. Electrochimica Acta, 2014, 130, 344-350.	2.6	112
6	Strategies to Improve the Performance of Carbon/Carbon Capacitors in Salt Aqueous Electrolytes. Journal of the Electrochemical Society, 2015, 162, A5148-A5157.	1.3	103
7	High voltage AC/AC electrochemical capacitor operating at low temperature in salt aqueous electrolyte. Journal of Power Sources, 2016, 318, 235-241.	4.0	62
8	Recent developments for antimicrobial applications of graphene-based polymeric composites: A review. Journal of Industrial and Engineering Chemistry, 2021, 100, 40-58.	2.9	57
9	Persistent and reversible solid iodine electrodeposition in nanoporous carbons. Nature Communications, 2020, 11, 4838.	5.8	52
10	Sustainable AC/AC hybrid electrochemical capacitors in aqueous electrolyte approaching the performance of organic systems. Journal of Power Sources, 2016, 326, 652-659.	4.0	48
11	Synthesis and Characterization of Choline Chloride Based Binary Mixtures. ECS Transactions, 2010, 33, 49-59.	0.3	46
12	Sustainable Carbon/Carbon Supercapacitors Operating Down to â˜40â€‰Â°C in Aqueous Electrolyte Made with Cholinium Salt. ChemSusChem, 2018, 11, 975-984.	3.6	45
13	UV-Accelerated Photocatalytic Degradation of Pesticide over Magnetite and Cobalt Ferrite Decorated Graphene Oxide Composite. Plants, 2021, 10, 6.	1.6	43
14	Coal fly ash-based copper ferrite nanocomposites as potential heterogeneous photocatalysts for wastewater remediation. Applied Surface Science, 2021, 565, 150542.	3.1	40
15	Capacitance enhancement of hybrid electrochemical capacitor with asymmetric carbon electrodes configuration in neutral aqueous electrolyte. Electrochimica Acta, 2018, 269, 640-648.	2.6	32
16	Sodium molybdate â€“ an additive of choice for enhancing the performance of AC/AC electrochemical capacitors in a salt aqueous electrolyte. Faraday Discussions, 2014, 172, 199-214.	1.6	31
17	Confinement of iodides in carbon porosity to prevent from positive electrode oxidation in high voltage aqueous hybrid electrochemical capacitors. Carbon, 2017, 125, 391-400.	5.4	30
18	Influence of the iodide/iodine redox system on the self-discharge of AC/AC electrochemical capacitors in salt aqueous electrolyte. Progress in Natural Science: Materials International, 2015, 25, 622-630.	1.8	27

#	Article	IF	Citations
19	Electrochemical aspects of interconnect materials in PEMFCs. International Journal of Hydrogen Energy, 2021, 46, 35420-35447.	3.8	25
20	High-energy hybrid electrochemical capacitor operating down to â˜'40â€¯Â°C with aqueous redox electrolyte based on choline salts. Journal of Power Sources, 2019, 427, 283-292.	4.0	24
21	Reduced Faradaic Contributions and Fast Charging of Nanoporous Carbon Electrodes in a Concentrated Sodium Nitrate Aqueous Electrolyte for Supercapacitors. Energy Technology, 2019, 7, 1900430.	1.8	20
22	The electrochemical dissolution of molybdenum in non-aqueous media. International Journal of Refractory Metals and Hard Materials, 2011, 29, 542-546.	1.7	17
23	Towards an optimized hybrid electrochemical capacitor in iodide based aqueous redox-electrolyte: Shift of equilibrium potential by electrodes mass-balancing. Electrochimica Acta, 2020, 337, 135785.	2.6	17
24	Hybrid electrochemical capacitors in aqueous electrolytes: Challenges and prospects. Current Opinion in Electrochemistry, 2020, 21, 167-174.	2.5	15
25	Tuning the Nanoporous Structure of Carbons Derived from the Composite of Cross-Linked Polymers for Charge Storage Applications. ACS Applied Energy Materials, 2021, 4, 1763-1773.	2.5	13
26	Immobilization of Polyiodide Redox Species in Porous Carbon for Battery-Like Electrodes in Eco-Friendly Hybrid Electrochemical Capacitors. Nanomaterials, 2019, 9, 1413.	1.9	11
27	Anodic Dissolution of Refractory Metals in Choline Chloride Based Binary Mixtures. ECS Transactions, 2011, 33, 57-67.	0.3	9
28	Benefits of Organoâ€Aqueous Binary Solvents for Redox Supercapacitors Based on Polyoxometalates. ChemElectroChem, 2020, 7, 2466-2476.	1.7	8
29	Applications of graphene-based tungsten oxide nanocomposites: a review. Journal of Nanostructure in Chemistry, 2023, 13, 167-196.	5.3	8
30	An asymmetric MnO2 | activated carbon supercapacitor with highly soluble choline nitrate-based aqueous electrolyte for sub-zero temperatures. Electrochimica Acta, 2022, 425, 140708.	2.6	8
31	Less Water, Naked Choline, and Solid Iodine for Superior Ecofriendly Hybrid Energy Storage. Advanced Energy and Sustainability Research, 2021, 2, 2100115.	2.8	7
32	Elaborating the Iodine/Polyiodide Equilibrium Effects in Nanoporous Carbonâ€based Battery Electrode via Extreme Mass Asymmetry in Hybrid Cells. ChemElectroChem, 2021, 8, 3155-3160.	1.7	4