

Qamar Abbas

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Applications of graphene-based tungsten oxide nanocomposites: a review. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 167-196. | 5.3 | 8 |
| 2 | An asymmetric MnO ₂ activated carbon supercapacitor with highly soluble choline nitrate-based aqueous electrolyte for sub-zero temperatures. <i>Electrochimica Acta</i> , 2022, 425, 140708. | 2.6 | 8 |
| 3 | Tuning the Nanoporous Structure of Carbons Derived from the Composite of Cross-Linked Polymers for Charge Storage Applications. <i>ACS Applied Energy Materials</i> , 2021, 4, 1763-1773. | 2.5 | 13 |
| 4 | Less Water, Naked Choline, and Solid Iodine for Superior Ecofriendly Hybrid Energy Storage. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100115. | 2.8 | 7 |
| 5 | Recent developments for antimicrobial applications of graphene-based polymeric composites: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 100, 40-58. | 2.9 | 57 |
| 6 | Elaborating the Iodine/Polyiodide Equilibrium Effects in Nanoporous Carbon-based Battery Electrode via Extreme Mass Asymmetry in Hybrid Cells. <i>ChemElectroChem</i> , 2021, 8, 3155-3160. | 1.7 | 4 |
| 7 | Electrochemical aspects of interconnect materials in PEMFCs. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 35420-35447. | 3.8 | 25 |
| 8 | Coal fly ash-based copper ferrite nanocomposites as potential heterogeneous photocatalysts for wastewater remediation. <i>Applied Surface Science</i> , 2021, 565, 150542. | 3.1 | 40 |
| 9 | UV-Accelerated Photocatalytic Degradation of Pesticide over Magnetite and Cobalt Ferrite Decorated Graphene Oxide Composite. <i>Plants</i> , 2021, 10, 6. | 1.6 | 43 |
| 10 | Persistent and reversible solid iodine electrodeposition in nanoporous carbons. <i>Nature Communications</i> , 2020, 11, 4838. | 5.8 | 52 |
| 11 | Benefits of Organo-aqueous Binary Solvents for Redox Supercapacitors Based on Polyoxometalates. <i>ChemElectroChem</i> , 2020, 7, 2466-2476. | 1.7 | 8 |
| 12 | Hybrid electrochemical capacitors in aqueous electrolytes: Challenges and prospects. <i>Current Opinion in Electrochemistry</i> , 2020, 21, 167-174. | 2.5 | 15 |
| 13 | Towards an optimized hybrid electrochemical capacitor in iodide based aqueous redox-electrolyte: Shift of equilibrium potential by electrodes mass-balancing. <i>Electrochimica Acta</i> , 2020, 337, 135785. | 2.6 | 17 |
| 14 | Immobilization of Polyiodide Redox Species in Porous Carbon for Battery-Like Electrodes in Eco-Friendly Hybrid Electrochemical Capacitors. <i>Nanomaterials</i> , 2019, 9, 1413. | 1.9 | 11 |
| 15 | 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 |
| 16 | High-energy hybrid electrochemical capacitor operating down to $\sim 40^{\circ}\text{C}$ with aqueous redox electrolyte based on choline salts. <i>Journal of Power Sources</i> , 2019, 427, 283-292. | 4.0 | 24 |
| 17 | Capacitance enhancement of hybrid electrochemical capacitor with asymmetric carbon electrodes configuration in neutral aqueous electrolyte. <i>Electrochimica Acta</i> , 2018, 269, 640-648. | 2.6 | 32 |
| 18 | Sustainable Carbon/Carbon Supercapacitors Operating Down to $\sim 40^{\circ}\text{C}$ in Aqueous Electrolyte Made with Cholinium Salt. <i>ChemSusChem</i> , 2018, 11, 975-984. | 3.6 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Confinement of iodides in carbon porosity to prevent from positive electrode oxidation in high voltage aqueous hybrid electrochemical capacitors. <i>Carbon</i> , 2017, 125, 391-400. | 5.4 | 30 |
| 20 | Sustainable AC/AC hybrid electrochemical capacitors in aqueous electrolyte approaching the performance of organic systems. <i>Journal of Power Sources</i> , 2016, 326, 652-659. | 4.0 | 48 |
| 21 | High voltage AC/AC electrochemical capacitor operating at low temperature in salt aqueous electrolyte. <i>Journal of Power Sources</i> , 2016, 318, 235-241. | 4.0 | 62 |
| 22 | Influence of the iodide/iodine redox system on the self-discharge of AC/AC electrochemical capacitors in salt aqueous electrolyte. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 622-630. | 1.8 | 27 |
| 23 | Strategies to Improve the Performance of Carbon/Carbon Capacitors in Salt Aqueous Electrolytes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5148-A5157. | 1.3 | 103 |
| 24 | Appropriate methods for evaluating the efficiency and capacitive behavior of different types of supercapacitors. <i>Electrochemistry Communications</i> , 2015, 60, 21-25. | 2.3 | 556 |
| 25 | Carbons with narrow pore size distribution prepared by simultaneous carbonization and self-activation of tobacco stems and their application to supercapacitors. <i>Carbon</i> , 2015, 81, 148-157. | 5.4 | 144 |
| 26 | Effect of accelerated ageing on the performance of high voltage carbon/carbon electrochemical capacitors in salt aqueous electrolyte. <i>Electrochimica Acta</i> , 2014, 130, 344-350. | 2.6 | 112 |
| 27 | Sodium molybdate – an additive of choice for enhancing the performance of AC/AC electrochemical capacitors in a salt aqueous electrolyte. <i>Faraday Discussions</i> , 2014, 172, 199-214. | 1.6 | 31 |
| 28 | Effect of binder on the performance of carbon/carbon symmetric capacitors in salt aqueous electrolyte. <i>Electrochimica Acta</i> , 2014, 140, 132-138. | 2.6 | 152 |
| 29 | Carbon/carbon supercapacitors. <i>Journal of Energy Chemistry</i> , 2013, 22, 226-240. | 7.1 | 275 |
| 30 | Anodic Dissolution of Refractory Metals in Choline Chloride Based Binary Mixtures. <i>ECS Transactions</i> , 2011, 33, 57-67. | 0.3 | 9 |
| 31 | The electrochemical dissolution of molybdenum in non-aqueous media. <i>International Journal of Refractory Metals and Hard Materials</i> , 2011, 29, 542-546. | 1.7 | 17 |
| 32 | Synthesis and Characterization of Choline Chloride Based Binary Mixtures. <i>ECS Transactions</i> , 2010, 33, 49-59. | 0.3 | 46 |