

Muhammad E Abdelhamid

List of Publications by Year in descending order

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20
papers

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times ranked

1099
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#	ARTICLE	IF	CITATIONS
1	Advanced and Emerging Negative Electrodes for Li-Ion Capacitors: Pragmatism vs. Performance. <i>Energies</i> , 2021, 14, 3010.	1.6	4
2	Concept and electrochemical mechanism of an Al metal anode – organic cathode battery. <i>Energy Storage Materials</i> , 2020, 24, 379-383.	9.5	138
3	Water-in-Bisalt Electrolyte with Record Salt Concentration and Widened Electrochemical Stability Window. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4942-4946.	2.1	29
4	Electrochemically Controlled Deposition of Ultrathin Polymer Electrolyte on Complex Microbattery Electrode Architectures. <i>Journal of the Electrochemical Society</i> , 2019, 166, A5462-A5469.	1.3	3
5	Solvent-free lithium and sodium containing electrolytes based on pseudo-delocalized anions. <i>Chemical Communications</i> , 2019, 55, 632-635.	2.2	9
6	A free-standing reduced graphene oxide aerogel as supporting electrode in a fluorine-free Li2S8 catholyte Li-S battery. <i>Journal of Power Sources</i> , 2019, 416, 111-117.	4.0	45
7	On the Feasibility of Sodium Metal as Pseudo–Reference Electrode in Solid State Electrochemical Cells. <i>ChemElectroChem</i> , 2017, 4, 2717-2721.	1.7	13
8	Structural, Spectroscopic, and Electrochemical Characterization of Semi-Conducting, Solvated [Pt(NH3)4](TCNQ)2·(DMF)2 and Non-Solvated [Pt(NH3)4](TCNQ)2. <i>Australian Journal of Chemistry</i> , 2017, 70, 997.	0.5	2
9	Electropolymerisation of N-Ethylanilinium Trifluoroacetate Ionic Liquid into Poly(N-Ethylaniline) and Control of its Morphology. <i>Australian Journal of Chemistry</i> , 2017, 70, 985.	0.5	1
10	Fabrication and performance of electrochemically grafted thiophene silicon nanoparticle anodes for Li-ion batteries. <i>Journal of Power Sources</i> , 2016, 324, 97-105.	4.0	6
11	Electrochemical Tailoring of Fibrous Polyaniline and Electroless Decoration with Gold and Platinum Nanoparticles. <i>Langmuir</i> , 2016, 32, 8834-8842.	1.6	10
12	Mechanistic Details of the Membrane Perforation and Passive Translocation of TAT Peptides. <i>ChemPlusChem</i> , 2015, 80, 83-90.	1.3	12
13	Storing energy in plastics: a review on conducting polymers & their role in electrochemical energy storage. <i>RSC Advances</i> , 2015, 5, 11611-11626.	1.7	192
14	High-throughput approach for the identification of anilinium-based ionic liquids that are suitable for electropolymerisation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17967-17972.	1.3	17
15	Voltammetric studies on the inter-relationship between the redox chemistry of TTF, TTF ⁺ , TTF ²⁺ and HTTF ⁺ in acidic media. <i>RSC Advances</i> , 2015, 5, 18384-18390.	1.7	12
16	Electropolymerisation of Catalytically Active PEDOT from an Ionic Liquid on a Flexible Carbon Cloth Using a Sandwich Cell Configuration. <i>ChemPlusChem</i> , 2015, 80, 74-82.	1.3	19
17	An SECM study on the influence of cationic, membrane-active peptides on a gold-supported self-assembled monolayer. <i>Electrochemistry Communications</i> , 2015, 51, 11-14.	2.3	12
18	Electrocatalytic and SERS activity of Pt rich Pt-Pb nanostructures formed via the utilisation of in-situ underpotential deposition of lead. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3345-3357.	1.2	15

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19	Mechanistic Insights Gained by Monitoring Carbon Nanotube/Prussian Blue Nanocomposite Formation With in Situ Electrochemically Based Techniques. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13157-13167.	1.5	17
20	Role of H ⁺ in Polypyrrole and Poly(3,4-ethylenedioxythiophene) Formation Using FeCl ₃ ·6H ₂ O in the Room Temperature Ionic Liquid, C ₄ mpyrTFSI. <i>Australian Journal of Chemistry</i> , 2012, 65, 1513.	0.5	16