

Klemen Pirnat

List of Publications by Year in descending order

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21
papers

1,046
citations

430874

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713466

21
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23
docs citations

23
times ranked

1365
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Practical Applications of the Magnesium Fluorinated Alkoxyaluminate Electrolyte in Mg Battery Cells. ACS Applied Materials & Interfaces, 2022, 14, 26766-26774.	8.0	19
2	Electrochemical Performance and Mechanism of Calcium Metal-Organic Battery. Batteries and Supercaps, 2021, 4, 214-220.	4.7	44
3	Electrochemical Performance of Mg Metal-Quinone Battery in Chloride-Free Electrolyte. Batteries and Supercaps, 2021, 4, 815-822.	4.7	9
4	Electrochemical Mechanism of Al Metal-Organic Battery Based on Phenanthrenequinone. Energy Material Advances, 2021, 2021, .	11.0	21
5	Spectroscopic Insights into the Electrochemical Mechanism of Rechargeable Calcium/Sulfur Batteries. Chemistry of Materials, 2020, 32, 8266-8275.	6.7	29
6	Redox Mechanisms in Li and Mg Batteries Containing Poly(phenanthrene quinone)/Graphene Cathodes using Operando ATR-IR Spectroscopy. ChemSusChem, 2020, 13, 2328-2336.	6.8	23
7	Quinone Based Materials as Renewable High Energy Density Cathode Materials for Rechargeable Magnesium Batteries. Materials, 2020, 13, 506.	2.9	31
8	Synthesis of Redox Polymer Nanoparticles Based on Poly(vinyl catechols) and Their Electroactivity. Macromolecules, 2019, 52, 8155-8166.	4.8	25
9	Effect of salts on the electrochemical performance of Mg metal-organic battery. Journal of Power Sources, 2019, 430, 90-94.	7.8	40
10	Probing electrochemical reactions in organic cathode materials via in operando infrared spectroscopy. Nature Communications, 2018, 9, 661.	12.8	100
11	Electrochemical performance and redox mechanism of naphthalene-hydrazine diimide polymer as a cathode in magnesium battery. Journal of Power Sources, 2018, 395, 25-30.	7.8	76
12	Indirect Synthesis Route toward Cross-Coupled Polymers for High Voltage Organic Positive Electrodes. Chemistry of Materials, 2018, 30, 5726-5732.	6.7	40
13	Fluorinated Ether Based Electrolyte for High-Energy Lithium-Sulfur Batteries: Li ⁺ Solvation Role Behind Reduced Polysulfide Solubility. Chemistry of Materials, 2017, 29, 10037-10044.	6.7	75
14	Poly(hydroquinoyl-benzoquinonyl sulfide) as an active material in Mg and Li organic batteries. Electrochemistry Communications, 2016, 69, 1-5.	4.7	54
15	Quinone-formaldehyde polymer as an active material in Li-ion batteries. Journal of Power Sources, 2016, 315, 169-178.	7.8	43
16	Anthraquinone-Based Polymer as Cathode in Rechargeable Magnesium Batteries. ChemSusChem, 2015, 8, 4128-4132.	6.8	137
17	Redox-Active Functionalized Graphene Nanoribbons as Electrode Material for Li-ion Batteries. ChemElectroChem, 2014, 1, 2131-2137.	3.4	14
18	1,2,4,5-Tetramethoxybenzene as a redox shuttle and their analogues in Li-ion batteries. Journal of Power Sources, 2013, 235, 214-219.	7.8	12

#	ARTICLE	IF	CITATIONS
19	Electrochemically stabilised quinone based electrode composites for Li-ion batteries. Journal of Power Sources, 2012, 199, 308-314.	7.8	67
20	Enamino esters in the synthesis of heterocyclic systems. Transformation of diethyl acetone-1,3-dicarboxylate into poly-substituted 1,2,7,8-tetrahydro-2,7-naphthyridine-4-carboxylates. Arkivoc, 2011, 2011, 120-129.	0.5	0
21	Electroactive Organic Molecules Immobilized onto Solid Nanoparticles as a Cathode Material for Lithium-ion Batteries. Angewandte Chemie - International Edition, 2010, 49, 7222-7224.	13.8	163