Ran Attias

List of Publications by Year
in descending order

23 papers	1,970 citations	12 h-index (759233)	23 g-index (642732)
24 all docs	24 docs citations	24 times ranked	3200 citing authors

#	Article	IF	Citations
1	Carbon-based composite materials for supercapacitor electrodes: a review. Journal of Materials Chemistry A, 2017, 5, 12653-12672.	10.3	1,152
2	Anode-Electrolyte Interfaces in Secondary Magnesium Batteries. Joule, 2019, 3, 27-52.	24.0	275
3	Metalâ€“Sulfur Batteries: Overview and Research Methods. ACS Energy Letters, 2019, 4, 436-446.	17.4	108
4	On the Feasibility of Practical Mgâ€“S Batteries: Practical Limitations Associated with Metallic Magnesium Anodes. ACS Applied Materials & Interfaces, 2018, 10, 36910-36917.	8.0	51
5	The Sodium Storage Mechanism in Tunnelâ€Type Na_{0.44}MnO₂ Cathodes and the Way to Ensure Their Durable Operation. Advanced Energy Materials, 2020, 10, 2000564.	19.5	51
6	Asymmetric Supercapacitors Using Chemically Prepared MnO₂as Positive Electrode Materials. Journal of the Electrochemical Society, 2017, 164, A2231-A2237.	2.9	48
7	Solvent Effects on the Reversible Intercalation of Magnesiumâ€Ions into V₂O₅ Electrodes. ChemElectroChem, 2018, 5, 3514-3524.	3.4	46
8	Anion Effects on Cathode Electrochemical Activity in Rechargeable Magnesium Batteries: A Case Study of V₂O₅. ACS Energy Letters, 2019, 4, 209-214.	17.4	45
9	Vacancyâ€Driven High Rate Capabilities in Calciumâ€Doped Na_{0.4}MnO₂ Cathodes for Aqueous Sodiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2002077.	19.5	37
10	Anomalous Sodium Storage Behavior in Al/F Dualâ€Doped P2â€Type Sodium Manganese Oxide Cathode for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2002205.	19.5	36
11	The Role of Surface Adsorbed Cl^{â€“} Complexes in Rechargeable Magnesium Batteries. ACS Catalysis, 2020, 10, 7773-7784.	11.2	35
12	Changes in the interfacial charge-transfer resistance of Mg metal electrodes, measured by dynamic electrochemical impedance spectroscopy. Electrochemistry Communications, 2021, 124, 106952.	4.7	21
13	Evaluation of Mg[B(HFIP)₄]₂-Based Electrolyte Solutions for Rechargeable Mg Batteries. ACS Applied Materials & Interfaces, 2021, 13, 54894-54905.	8.0	15
14	How solution chemistry affects the electrochemical behavior of cathodes for Mg batteries, a classical electroanalytical study. Electrochimica Acta, 2020, 334, 135614.	5.2	11
15	Solid state synthesis of Li0.33MnO2 as positive electrode material for highly stable 2V aqueous hybrid supercapacitors:. Electrochimica Acta, 2017, 254, 155-164.	5.2	9
16	Horizons for Modern Electrochemistry Related to Energy Storage and Conversion, a Review. Israel Journal of Chemistry, 2021, 61, 11-25.	2.3	6
17	Determination of Average Coulombic Efficiency for Rechargeable Magnesium Metal Anodes in Prospective Electrolyte Solutions. ACS Applied Materials & Interfaces, 2022, 14, 30952-30961.	8.0	6
18	Modulation, Characterization, and Engineering of Advanced Materials for Electrochemical Energy Storage Applications: MoO3/V2O5 Bilayer Model System. Journal of Physical Chemistry C, 2019, 123, 16577-16587.	3.1	5

#	Article	IF	Citations
19	Boosting Tunnel-Type Manganese Oxide Cathodes by Lithium Nitrate for Practical Aqueous Na-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 10744-10751.	5.1	4
20	Multifold Electrochemical Protons and Zinc Ion Storage Behavior in Copper Vanadate Cathodes. ACS Applied Energy Materials, 2021, 4, 10197-10202.	5.1	4
21	Electrolyte Solutions for â€œBeyond Li-Ion Batteriesâ€: Li-S, Li-O₂, and Mg Batteries. Electrochemical Society Interface, 2019, 28, 71-77.	0.4	2
22	Critical Review on the Unique Interactions and Electroanalytical Challenges Related to Cathodes â€• Solutions Interfaces in Nonâ€Aqueous Mg Battery Prototypes. ChemElectroChem, 2021, 8, 3229-3238.	3.4	2
23	Selected future tasks in electrochemical research related to advanced power sources. Journal of Solid State Electrochemistry, 2020, 24, 2027-2029.	2.5	1