

Mohammed B Effat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11925181/publications.pdf>

Version: 2024-02-01

14
papers

636
citations

759233

12
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

776
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian and Hierarchical Bayesian Based Regularization for Deconvolving the Distribution of Relaxation Times from Electrochemical Impedance Spectroscopy Data. <i>Electrochimica Acta</i> , 2017, 247, 1117-1129.	5.2	109
2	Enabling room-temperature solid-state lithium-metal batteries with fluoroethylene carbonate-modified plastic crystal interlayers. <i>Energy Storage Materials</i> , 2019, 18, 311-319.	18.0	94
3	Ultrathin and Non-flammable Dual-salt Polymer Electrolyte for High-energy-density Lithium-metal Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2010261.	14.9	78
4	Rechargeable Battery Electrolytes Capable of Operating over Wide Temperature Windows and Delivering High Safety. <i>Advanced Energy Materials</i> , 2020, 10, 2001235.	19.5	75
5	A Ceramic-PVDF Composite Membrane with Modified Interfaces as an Ion-conducting Electrolyte for Solid-state Lithium-ion Batteries Operating at Room Temperature. <i>ChemElectroChem</i> , 2018, 5, 2873-2881.	3.4	69
6	Enabling non-flammable Li-metal batteries via electrolyte functionalization and interface engineering. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17995-18002.	10.3	46
7	A general model for the impedance of batteries and supercapacitors: The non-linear distribution of diffusion times. <i>Electrochimica Acta</i> , 2019, 324, 134853.	5.2	35
8	Stability, Elastic Properties, and the Li Transport Mechanism of the Protonated and Fluorinated Antiperovskite Lithium Conductors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55011-55022.	8.0	28
9	A theoretical study on the stability and ionic conductivity of the Na ₁₁ M ₂ PS ₁₂ (M = Sn, Ge) superionic conductors. <i>Journal of Power Sources</i> , 2019, 409, 94-101.	7.8	27
10	Modeling efforts in the key areas of thermal management and safety of lithium ion battery cells: a mini review. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 399-406.	1.5	25
11	Towards succinonitrile-based lithium metal batteries with long cycle life: The influence of fluoroethylene carbonate loading and the separator. <i>Journal of Power Sources</i> , 2019, 436, 226802.	7.8	19
12	Stabilizing Na-metal batteries with a manganese oxide cathode using a solid-state composite electrolyte. <i>Journal of Power Sources</i> , 2019, 416, 21-28.	7.8	19
13	Electrical Conductivity Relaxation in the Nonlinear Regime. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1671-F1689.	2.9	6
14	Introducing Ag in Ba _{0.9} La _{0.1} FeO _{3-δ} : Combining cationic substitution with metal particle decoration. <i>Materials Reports Energy</i> , 2021, 1, 100018.	3.2	6