

Matthew Genovese

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,105
citations

471371

17
h-index

794469

19
g-index

21
all docs

21
docs citations

21
times ranked

2908
citing authors

#	ARTICLE	IF	CITATIONS
1	Long cycle life and dendrite-free lithium morphology in anode-free lithium pouch cells enabled by a dual-salt liquid electrolyte. <i>Nature Energy</i> , 2019, 4, 683-689.	19.8	603
2	A Wide Range of Testing Results on an Excellent Lithium-Ion Cell Chemistry to be used as Benchmarks for New Battery Technologies. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3031-A3044.	1.3	286
3	High capacitive performance of exfoliated biochar nanosheets from biomass waste corn cob. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2903-2913.	5.2	207
4	Exploring the Impact of Mechanical Pressure on the Performance of Anode-Free Lithium Metal Cells. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1291-A1299.	1.3	189
5	Polyoxometalate modified inorganic-organic nanocomposite materials for energy storage applications: A review. <i>Current Opinion in Solid State and Materials Science</i> , 2015, 19, 126-137.	5.6	143
6	Measuring the Coulombic Efficiency of Lithium Metal Cycling in Anode-Free Lithium Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3321-A3325.	1.3	97
7	Ultrathin all-solid-state supercapacitor devices based on chitosan activated carbon electrodes and polymer electrolytes. <i>Electrochimica Acta</i> , 2018, 273, 392-401.	2.6	93
8	Hot Formation for Improved Low Temperature Cycling of Anode-Free Lithium Metal Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3342-A3347.	1.3	88
9	Cycling Lithium Metal on Graphite to Form Hybrid Lithium-Ion/Lithium Metal Cells. <i>Joule</i> , 2020, 4, 1296-1310.	11.7	80
10	Editors' Choice—Hindering Rollover Failure of $\text{Li}[\text{Ni}_{0.5}\text{Mn}_{0.3}\text{Co}_{0.2}\text{O}_2]/\text{Graphite}$ Pouch Cells during Long-Term Cycling. <i>Journal of the Electrochemical Society</i> , 2019, 166, A711-A724.	1.3	76
11	Ionic Liquid-Derived Imidazolium Cation Linkers for the Layer-by-Layer Assembly of Polyoxometalate-MWCNT Composite Electrodes with High Power Capability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19100-19109.	4.0	45
12	Multilayer Polyoxometalates-Carbon Nanotube Composites for Electrochemical Capacitors. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, M3046-M3050.	0.9	39
13	The unique properties of aqueous polyoxometalate (POM) mixtures and their role in the design of molecular coatings for electrochemical energy storage. <i>Electrochimica Acta</i> , 2016, 199, 261-269.	2.6	35
14	Pseudocapacitive behavior of Keggin type polyoxometalate mixtures. <i>Electrochemistry Communications</i> , 2014, 43, 60-62.	2.3	30
15	Designing Polyoxometalate based Layer-by-Layer Thin Films on Carbon Nanomaterials for Pseudocapacitive Electrodes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5041-A5046.	1.3	26
16	Combinatorial Methods for Improving Lithium Metal Cycling Efficiency. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3000-A3013.	1.3	25
17	Germanomolybdate ($\text{GeMo}_{12}\text{O}_{40}$) Modified Carbon Nanotube Composites for Electrochemical Capacitors. <i>Electrochimica Acta</i> , 2014, 117, 153-158.	2.6	19
18	Investigating Parasitic Reactions in Anode-Free Li Metal Cells with Isothermal Microcalorimetry. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060527.	1.3	12

#	ARTICLE	IF	CITATIONS
19	A Comparative Study of Activated Carbons from Liquid to Solid Polymer Electrolytes for Electrochemical Capacitors. Journal of the Electrochemical Society, 2019, 166, A821-A828.	1.3	10
20	Polyoxometalates. , 2017, , 133-164.		2
21	Sustainable Materials for Solid Flexible Supercapacitors. , 2018, , .		0