

Johannes Landesfeind

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,445
citations

567281

15
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

1440
citing authors

#	ARTICLE	IF	CITATIONS
1	Tortuosity Determination of Battery Electrodes and Separators by Impedance Spectroscopy. Journal of the Electrochemical Society, 2016, 163, A1373-A1387.	2.9	419
2	Temperature and Concentration Dependence of the Ionic Transport Properties of Lithium-Ion Battery Electrolytes. Journal of the Electrochemical Society, 2019, 166, A3079-A3097.	2.9	132
3	An Analysis Protocol for Three-Electrode Li-Ion Battery Impedance Spectra: Part I. Analysis of a High-Voltage Positive Electrode. Journal of the Electrochemical Society, 2017, 164, A1773-A1783.	2.9	120
4	A Gold Micro-Reference Electrode for Impedance and Potential Measurements in Lithium Ion Batteries. Journal of the Electrochemical Society, 2016, 163, A2265-A2272.	2.9	117
5	Tortuosity of Battery Electrodes: Validation of Impedance-Derived Values and Critical Comparison with 3D Tomography. Journal of the Electrochemical Society, 2018, 165, A469-A476.	2.9	114
6	Influence of the Binder on Lithium Ion Battery Electrode Tortuosity and Performance. Journal of the Electrochemical Society, 2018, 165, A1122-A1128.	2.9	87
7	Determination of Transport Parameters in Liquid Binary Lithium Ion Battery Electrolytes. Journal of the Electrochemical Society, 2017, 164, A826-A836.	2.9	76
8	Detection of Binder Gradients Using Impedance Spectroscopy and Their Influence on the Tortuosity of Li-Ion Battery Graphite Electrodes. Journal of the Electrochemical Society, 2018, 165, A3459-A3467.	2.9	74
9	Lithium Ion Mobility in Lithium Phosphidosilicates: Crystal Structure, ^{7}Li , ^{29}Si , and ^{31}P MAS NMR Spectroscopy, and Impedance Spectroscopy of Li_8SiP_4 and Li_2SiP_2 . Chemistry - A European Journal, 2016, 22, 17635-17645.	3.3	62
10	An Analysis Protocol for Three-Electrode Li-Ion Battery Impedance Spectra: Part II. Analysis of a Graphite Anode Cycled vs. LNMO. Journal of the Electrochemical Society, 2018, 165, A2145-A2153.	2.9	54
11	Identifying Contact Resistances in High-Voltage Cathodes by Impedance Spectroscopy. Journal of the Electrochemical Society, 2019, 166, A582-A590.	2.9	48
12	Direct Electrochemical Determination of Thermodynamic Factors in Aprotic Binary Electrolytes. Journal of the Electrochemical Society, 2016, 163, A1254-A1264.	2.9	41
13	Determination of Transport Parameters in Liquid Binary Electrolytes: Part II. Transference Number. Journal of the Electrochemical Society, 2017, 164, A2716-A2731.	2.9	33
14	Method to Determine the In-Plane Tortuosity of Porous Electrodes. Journal of the Electrochemical Society, 2018, 165, A2008-A2018.	2.9	24
15	Comparison of Ionic Transport Properties of Non-Aqueous Lithium and Sodium Hexafluorophosphate Electrolytes. Journal of the Electrochemical Society, 2021, 168, 040538.	2.9	24
16	Monitoring SEI Formation on Graphite Electrodes in Lithium-Ion Cells by Impedance Spectroscopy. Journal of the Electrochemical Society, 2021, 168, 110503.	2.9	13
17	Effective Ionic Resistance in Battery Separators. ECS Transactions, 2015, 69, 135-140.	0.5	5
18	Comment on "Direct Electrochemical Determination of Thermodynamic Factors in Aprotic Binary Electrolytes" [J. Electrochem. Soc., 163, A1254 (2018)]. Journal of the Electrochemical Society, 2019, 166, Y33-Y34.	2.9	0