Steffen Jeschke

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5245084/publications.pdf

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20	502	759233 12	794594 19
papers	citations	h-index	g-index

21	21	21	941
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorinated Ether Based Electrolyte for High-Energy Lithiumâ€“Sulfur Batteries: Li⁺ Solvation Role Behind Reduced Polysulfide Solubility. Chemistry of Materials, 2017, 29, 10037-10044.	6.7	75
2	Graphitic microstructure and performance of carbon fibre Li-ion structural battery electrodes. Multifunctional Materials, 2018, 1, 015003.	3.7	65
3	Solvation structure in dilute to highly concentrated electrolytes for lithium-ion and sodium-ion batteries. Electrochimica Acta, 2017, 233, 134-141.	5.2	60
4	PVDF-HFP/ether-modified polysiloxane membranes obtained via airbrush spraying as active separators for application in lithium ion batteries. Chemical Communications, 2015, 51, 12048-12051.	4.1	50
5	Synthesis and electrochemistry of polymer based electrolytes forÂlithium batteries. Progress in Solid State Chemistry, 2014, 42, 85-105.	7.2	45
6	Study of Carbamateâ€Modified Disiloxane in Porous PVDFâ€HFP Membranes: New Electrolytes/Separators for Lithiumâ€Ion Batteries. ChemPhysChem, 2014, 15, 1761-1771.	2.1	42
7	Predicting the Solubility of Sulfur: A COSMOâ€RSâ€Based Approach to Investigate Electrolytes for Liâ€“S Batteries. Chemistry - A European Journal, 2017, 23, 9130-9136.	3.3	23
8	Towards more thermally stable Li-ion battery electrolytes with salts and solvents sharing nitrile functionality. Journal of Power Sources, 2016, 332, 204-212.	7.8	22
9	Semi-interpenetrating polymer network of poly(methyl methacrylate) and ether-modified polysiloxane. Solid State Ionics, 2015, 274, 55-63.	2.7	21
10	Disiloxanes with cyclic or non-cyclic carbamate moieties as electrolytes for lithium-ion batteries. Chemical Communications, 2013, 49, 1190.	4.1	20
11	Highly-fluorous pyrazolide-based lithium salt in PVDF-HFP as solid polymer electrolyte. Solid State Ionics, 2016, 292, 45-51.	2.7	18
12	3D-QSAR for binding constants of Î²-cyclodextrin host-guest complexes by utilising spectrophores as molecular descriptors. Chemosphere, 2019, 225, 135-138.	8.2	12
13	Improved synthesis of perfluoroalkyl substituted 1,3,4-oxadiazoles as precursors for corresponding 1,2,4-triazoles. Journal of Fluorine Chemistry, 2016, 183, 30-35.	1.7	10
14	Characterization of semi-interpenetrating polymer electrolytes containing poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	2.7	9
15	3D laser scanning confocal microscopy of siloxane-based comb and double-comb polymers in PVDF-HFP thin films. Journal of Coatings Technology Research, 2016, 13, 577-587.	2.5	7
16	FTIR and DFT studies of LiTFSI solvation in 3-methyl-2-oxazolidinone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 157, 220-226.	3.9	7
17	Supervised Machine Learningâ€Based Classification of Liâ^'S Battery Electrolytes. Batteries and Supercaps, 2021, 4, 1156-1162.	4.7	7
18	Computational study of structural properties of lithium cation complexes with carbamate-modified disiloxanes. Physical Chemistry Chemical Physics, 2014, 16, 14236-14243.	2.8	5

#	Article	IF	Citations
19	Catching TFSI: A Computationalâ€“Experimental Approach to Î²â€Cyclodextrinâ€Based Hostâ€“Guest Systems as electrolytes for Liâ€Ion Batteries. ChemSusChem, 2018, 11, 1942-1949.	6.8	3
20	Transport of Ions in Salt-in-Polymer Membranes. , 2016, 8, 129-155.		1