Lysander De Sutter

List of Publications by Year
in descending order

11	229	1307366 7	1474057 9
papers	citations	h-index	g-index

11	11	11	253
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects analysis on energy density optimization and thermal efficiency enhancement of the air-cooled Li-ion battery modules. Journal of Energy Storage, 2022, 48, 103847.	3.9	11
2	Experimental and Numerical Study on the Thermal Behavior of a Large Lithium-Ion Prismatic Cell With Natural Air Convection. IEEE Transactions on Industry Applications, 2021, 57, 6475-6482.	3.3	8
3	Investigation of Thermal Behavior of Large Lithium-Ion Prismatic Cell in Natural Air Convection. , 2020, , .		4
4	A high current electro-thermal model for lithium-ion capacitor technology in a wide temperature range. Journal of Energy Storage, 2020, 31, 101624.	3.9	13
5	Mechanical behavior of Silicon-Graphite pouch cells under external compressive load: Implications and opportunities for battery pack design. Journal of Power Sources, 2020, 451, 227774.	4.0	31
6	Battery aging assessment and parametric study of lithium-ion batteries by means of a fractional differential model. Electrochimica Acta, 2019, 305, 24-36.	2.6	46
7	Analysis of the effect of applying external mechanical pressure on next generation silicon alloy lithium-ion cells. Electrochimica Acta, 2019, 306, 387-395.	2.6	52
8	Incremental Pressure Curves to Assess Capacity Fade in Next-Generation Li-Ion Pouch Cells. , 2019, , .		0
9	Comprehensive Aging Analysis of Volumetric Constrained Lithium-Ion Pouch Cells with High Concentration Silicon-Alloy Anodes. Energies, 2018, 11, 2948.	1.6	39
10	Electrical Characterization and Micro X-ray Computed Tomography Analysis of Next-Generation Silicon Alloy Lithium-Ion Cells. World Electric Vehicle Journal, 2018, 9, 43.	1.6	19
11	Online Multi Chemistry SoC Estimation Technique Using Data Driven Battery Model Parameter Estimation. World Electric Vehicle Journal, 2018, 9, 16.	1.6	6