

# Lysander De Sutter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/216688/publications.pdf>

Version: 2024-02-01

11  
papers

229  
citations

1307594

7  
h-index

1474206

9  
g-index

11  
all docs

11  
docs citations

11  
times ranked

253  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the effect of applying external mechanical pressure on next generation silicon alloy lithium-ion cells. <i>Electrochimica Acta</i> , 2019, 306, 387-395.	5.2	52
2	Battery aging assessment and parametric study of lithium-ion batteries by means of a fractional differential model. <i>Electrochimica Acta</i> , 2019, 305, 24-36.	5.2	46
3	Comprehensive Aging Analysis of Volumetric Constrained Lithium-Ion Pouch Cells with High Concentration Silicon-Alloy Anodes. <i>Energies</i> , 2018, 11, 2948.	3.1	39
4	Mechanical behavior of Silicon-Graphite pouch cells under external compressive load: Implications and opportunities for battery pack design. <i>Journal of Power Sources</i> , 2020, 451, 227774.	7.8	31
5	Electrical Characterization and Micro X-ray Computed Tomography Analysis of Next-Generation Silicon Alloy Lithium-Ion Cells. <i>World Electric Vehicle Journal</i> , 2018, 9, 43.	3.0	19
6	A high current electro-thermal model for lithium-ion capacitor technology in a wide temperature range. <i>Journal of Energy Storage</i> , 2020, 31, 101624.	8.1	13
7	Effects analysis on energy density optimization and thermal efficiency enhancement of the air-cooled Li-ion battery modules. <i>Journal of Energy Storage</i> , 2022, 48, 103847.	8.1	11
8	Experimental and Numerical Study on the Thermal Behavior of a Large Lithium-Ion Prismatic Cell With Natural Air Convection. <i>IEEE Transactions on Industry Applications</i> , 2021, 57, 6475-6482.	4.9	8
9	Online Multi Chemistry SoC Estimation Technique Using Data Driven Battery Model Parameter Estimation. <i>World Electric Vehicle Journal</i> , 2018, 9, 16.	3.0	6
10	Investigation of Thermal Behavior of Large Lithium-Ion Prismatic Cell in Natural Air Convection. , 2020, , .		4
11	Incremental Pressure Curves to Assess Capacity Fade in Next-Generation Li-Ion Pouch Cells. , 2019, , .		0