

# Maik Naumann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3350974/publications.pdf>

Version: 2024-02-01

14  
papers

1,114  
citations

758635

12  
h-index

1125271

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis and modeling of calendar aging of a commercial LiFePO <sub>4</sub> /graphite cell. Journal of Energy Storage, 2018, 17, 153-169.	3.9	136
2	Experimental investigation of parametric cell-to-cell variation and correlation based on 1100 commercial lithium-ion cells. Journal of Energy Storage, 2017, 14, 224-243.	3.9	135
3	Comprehensive Modeling of Temperature-Dependent Degradation Mechanisms in Lithium Iron Phosphate Batteries. Journal of the Electrochemical Society, 2018, 165, A181-A193.	1.3	135
4	Economic Optimization of Component Sizing for Residential Battery Storage Systems. Energies, 2017, 10, 835.	1.6	132
5	Economics of Residential Photovoltaic Battery Systems in Germany: The Case of Tesla's Powerwall. Batteries, 2016, 2, 14.	2.1	115
6	Lithium-ion Battery Cost Analysis in PV-household Application. Energy Procedia, 2015, 73, 37-47.	1.8	104
7	Energy efficiency evaluation of a stationary lithium-ion battery container storage system via electro-thermal modeling and detailed component analysis. Applied Energy, 2018, 210, 211-229.	5.1	101
8	Analysis and modeling of cycle aging of a commercial LiFePO <sub>4</sub> /graphite cell. Journal of Power Sources, 2020, 451, 227666.	4.0	83
9	Fundamentals of Using Battery Energy Storage Systems to Provide Primary Control Reserves in Germany. Batteries, 2016, 2, 29.	2.1	81
10	Design and analysis of an aging-aware energy management system for islanded grids using mixed-integer quadratic programming. International Journal of Energy Research, 2019, 43, 4127-4147.	2.2	26
11	Capacity Recovery Effect in Commercial LiFePO <sub>4</sub> / Graphite Cells. Journal of the Electrochemical Society, 2020, 167, 040526.	1.3	26
12	A PSO-Optimized Fuzzy Logic Control-Based Charging Method for Individual Household Battery Storage Systems within a Community. Energies, 2018, 11, 469.	1.6	23
13	Comprehensive Modeling of Temperature-Dependent Degradation Mechanisms in Lithium Iron Phosphate Batteries. ECS Transactions, 2017, 80, 147-170.	0.3	9
14	Marginal Costs of Battery System Operation in Energy Arbitrage Based on Energy Losses and Cell Degradation. , 2018, , .		8