

# Claudio Brivio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4558403/publications.pdf>

Version: 2024-02-01

12  
papers

514  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

435  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the use of electrochemical impedance spectroscopy to characterize and model the aging phenomena of lithium-ion batteries: a critical review. <i>Journal of Power Sources</i> , 2021, 505, 229860.	7.8	114
2	Battery energy storage system for primary control reserve and energy arbitrage. <i>Sustainable Energy, Grids and Networks</i> , 2016, 6, 152-165.	3.9	111
3	Effect of load profile uncertainty on the optimum sizing of off-grid PV systems for rural electrification. <i>Sustainable Energy Technologies and Assessments</i> , 2016, 18, 34-47.	2.7	67
4	A sizing methodology based on Levelized Cost of Supplied and Lost Energy for off-grid rural electrification systems. <i>Renewable Energy</i> , 2016, 89, 475-488.	8.9	63
5	Battery Energy Storage Systems in Microgrids: Modeling and Design Criteria. <i>Energies</i> , 2020, 13, 2006.	3.1	31
6	A novel software package for the robust design of off-grid power systems. <i>Journal of Cleaner Production</i> , 2017, 166, 668-679.	9.3	29
7	A Physically-Based Electrical Model for Lithium-Ion Cells. <i>IEEE Transactions on Energy Conversion</i> , 2019, 34, 594-603.	5.2	28
8	The role of electrical energy storage in sub-Saharan Africa. <i>Journal of Energy Storage</i> , 2016, 8, 287-299.	8.1	17
9	Impact of V2G service provision on battery life. <i>Journal of Energy Storage</i> , 2021, 44, 103178.	8.1	17
10	SoC management strategies in Battery Energy Storage System providing Primary Control Reserve. <i>Sustainable Energy, Grids and Networks</i> , 2019, 19, 100230.	3.9	15
11	Application-independent protocol for predicting the efficiency of lithium-ion battery cells in operations. <i>Journal of Energy Storage</i> , 2018, 15, 415-422.	8.1	12
12	EIS2MOD: A DRT-Based Modeling Framework for Li-Ion Cells. <i>IEEE Transactions on Industry Applications</i> , 2022, 58, 1429-1439.	4.9	10