

# Alvaro G Masias

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2085769/publications.pdf>

Version: 2024-02-01

13  
papers

1,253  
citations

1163117

8  
h-index

1281871

11  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Opportunities and Challenges of Lithium Ion Batteries in Automotive Applications. ACS Energy Letters, 2021, 6, 621-630.	17.4	471
2	Elastic, plastic, and creep mechanical properties of lithium metal. Journal of Materials Science, 2019, 54, 2585-2600.	3.7	247
3	Safety modelling and testing of lithium-ion batteries in electrified vehicles. Nature Energy, 2018, 3, 261-266.	39.5	197
4	Comprehensive calorimetry of the thermally-induced failure of a lithium ion battery. Journal of Power Sources, 2015, 280, 516-525.	7.8	141
5	Heat release during thermally-induced failure of a lithium ion battery: Impact of cathode composition. Fire Safety Journal, 2016, 85, 10-22.	3.1	123
6	A Thermo-Kinetic Model of Thermally-Induced Failure of a Lithium Ion Battery: Development, Validation and Application. Journal of the Electrochemical Society, 2018, 165, A2909-A2918.	2.9	29
7	Tracking Lithium Ions via Widefield Fluorescence Microscopy for Battery Diagnostics. ACS Sensors, 2017, 2, 903-908.	7.8	20
8	Characterizing the mechanical behavior of lithium in compression. Journal of Materials Research, 2021, 36, 729-739.	2.6	15
9	Lithium-Ion Battery Design for Transportation. Green Energy and Technology, 2018, , 1-33.	0.6	6
10	Derived Quantities Uncertainty Propagation in High Precision Battery Testing. Journal of the Electrochemical Society, 2017, 164, A2131-A2137.	2.9	3
11	Mechanical Properties of Lithium Metal for Next Generation Batteries. ECS Meeting Abstracts, 2019, MA2019-01, 161-161.	0.0	1
12	Safety Considerations of Lithium Metal Solid State Batteries. ECS Meeting Abstracts, 2021, MA2021-01, 291-291.	0.0	0
13	Safety Assessment of Solid State Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0