

# Alexandra Lex-Balducci

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10803208/publications.pdf>

Version: 2024-02-01

17  
papers

704  
citations

759233

12  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

978  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigations on novel electrolytes, solvents and SEI additives for use in lithium-ion batteries: Systematic electrochemical characterization and detailed analysis by spectroscopic methods. <i>Progress in Solid State Chemistry</i> , 2014, 42, 65-84.	7.2	176
2	Sustainable Energy Storage: Recent Trends and Developments toward Fully Organic Batteries. <i>ChemSusChem</i> , 2019, 12, 4093-4115.	6.8	128
3	Electrochemical characterization of electrolytes for lithium-ion batteries based on lithium difluoromon(oxalato)borate. <i>Journal of Power Sources</i> , 2011, 196, 1417-1424.	7.8	73
4	SEI investigations on copper electrodes after lithium plating with Raman spectroscopy and mass spectrometry. <i>Journal of Power Sources</i> , 2013, 233, 110-114.	7.8	58
5	1,3,2-Dioxathiolane-2,2-dioxide as film-forming agent for propylene carbonate based electrolytes for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 125, 101-106.	5.2	38
6	Evaluation of the wetting time of porous electrodes in electrolytic solutions containing ionic liquid. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 697-704.	2.9	37
7	Printable ionic liquid-based gel polymer electrolytes for solid state all-organic batteries. <i>Energy Storage Materials</i> , 2020, 25, 750-755.	18.0	36
8	Boehmite-based ceramic separator for lithium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 69-76.	2.9	34
9	Carbene Adduct as Overcharge Protecting Agent in Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1587-A1590.	2.9	27
10	Methyl tetrafluoro-2-(methoxy) propionate as co-solvent for propylene carbonate-based electrolytes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012, 205, 408-413.	7.8	25
11	Emulsion Polymerizations for a Sustainable Preparation of Efficient TEMPO-based Electrodes. <i>ChemSusChem</i> , 2021, 14, 449-455.	6.8	23
12	(Invited) Lithium Borates for Lithium-Ion Battery Electrolytes. <i>ECS Transactions</i> , 2010, 25, 13-17.	0.5	12
13	pNTQS: Easily Accessible High-Capacity Redox-Active Polymer for Organic Battery Electrodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 3554-3559.	5.1	11
14	New Diglyme-based Gel Polymer Electrolytes for Na-based Energy Storage Devices. <i>ChemSusChem</i> , 2021, 14, 4836-4845.	6.8	9
15	Adaptation of electrodes and printable gel polymer electrolytes for optimized fully organic batteries. <i>Journal of Polymer Science</i> , 2021, 59, 494-501.	3.8	7
16	Aging processes in high voltage lithium-ion capacitors containing liquid and gel-polymer electrolytes. <i>Journal of Power Sources</i> , 2021, 496, 229797.	7.8	7
17	Into a Future of Electromobility. <i>German Research</i> , 2010, 32, 20-24.	0.0	3