

# Lucienne

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8643636/publications.pdf>

Version: 2024-02-01

15  
papers

1,258  
citations

623734

14  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

2043  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dense freeze-dried $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ solid electrolytes with oriented open porosity and contiguous ceramic scaffold. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1021-1029.	3.8	27
2	Garnet-Polymer Composite Electrolytes: New Insights on Local Li-Ion Dynamics and Electrodeposition Stability with Li Metal Anodes. <i>ACS Applied Energy Materials</i> , 2019, 2, 1734-1746.	5.1	99
3	The Cathode Composition, A Key Player in the Success of Li-Metal Solid-State Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3270-3278.	3.1	24
4	Mechanical failure of garnet electrolytes during Li electrodeposition observed by in-operando microscopy. <i>Journal of Power Sources</i> , 2019, 412, 287-293.	7.8	122
5	Proton distribution in Sc-doped $\text{BaZrO}_3$ : a solid state NMR and first principle calculations analysis. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4317-4328.	2.8	21
6	Will the competitive future of solid state Li metal batteries rely on a ceramic or a composite electrolyte?. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2325-2334.	4.9	14
7	Dual Substitution Strategy to Enhance $\text{Li}^+$ Ionic Conductivity in $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ Solid Electrolyte. <i>Chemistry of Materials</i> , 2017, 29, 1769-1778.	6.7	169
8	Investigating the Dendritic Growth during Full Cell Cycling of Garnet Electrolyte in Direct Contact with Li Metal. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3808-3816.	8.0	307
9	Crystal structure and proton conductivity of $\text{BaSn}_{0.6}\text{Sc}_{0.4}\text{O}_{3-\delta}$ : insights from neutron powder diffraction and solid-state NMR spectroscopy. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5088-5101.	10.3	18
10	Li-Rich Mn/Ni Layered Oxide as Electrode Material for Lithium Batteries: A $^7\text{Li}$ MAS NMR Study Revealing Segregation into (Nanoscale) Domains with Highly Different Electrochemical Behaviors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19049-19063.	3.1	13
11	Electrochemical performances and gassing behavior of high surface area titanium niobium oxides. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11531-11541.	10.3	37
12	Proton trapping in yttrium-doped barium zirconate. <i>Nature Materials</i> , 2013, 12, 647-651.	27.5	297
13	Probing Cation and Vacancy Ordering in the Dry and Hydrated Yttrium-Substituted $\text{BaSnO}_3$ Perovskite by NMR Spectroscopy and First Principles Calculations: Implications for Proton Mobility. <i>Journal of the American Chemical Society</i> , 2012, 134, 14483-14498.	13.7	46
14	Thermal phase transformations in $\text{LaGaO}_3$ and $\text{LaAlO}_3$ perovskites: An experimental and computational solid-state NMR study. <i>Solid State Nuclear Magnetic Resonance</i> , 2012, 42, 87-97.	2.3	29
15	Probing the local structures and protonic conduction pathways in scandium substituted $\text{BaZrO}_3$ by multinuclear solid-state NMR spectroscopy. <i>Journal of Materials Chemistry</i> , 2010, 20, 6322.	6.7	35