Leo van Wüllen

List of Publications by Year
in descending order

37 papers	784 citations	516710 16 h-index	526287 27 g-index
37 all docs	37 docs citations	37 times ranked	993 citing authors

#	Article	IF	Citations
1	Investigation of the chemical changes during the thermal treatment of acrylonitrile‹scp›‒co‒‹/scp›methyl acrylate‒polymer (polyacrylonitrile‒precursor) focusing on the fate of the methyl acrylate moiety. Journal of Applied Polymer Science, 2022, 139, .	2.6	2
2	Synthesis, structure and diffusion pathways of fast lithium-ion conductors in the polymorphs α- and β-Li$_8$SnP$_4$. Journal of Materials Chemistry A, 2021, 9, 15254-15268.	10.3	8
3	Structure and Dynamics of LiPON and NaPON Oxynitride Phosphate Glasses by Solid-State NMR. Journal of Physical Chemistry C, 2021, 125, 4077-4085.	3.1	10
4	Fast Lithium-Ion Conduction in Phosphide Li$_9$GaP$_4$. Chemistry of Materials, 2021, 33, 2957-2966.	6.7	7
5	Tribute to Hellmut Eckert. Journal of Physical Chemistry C, 2021, 125, 8919-8920.	3.1	0
6	Li 5 SnP 3 – a Member of the Series Li 10+4 x Sn 2−x P 6 for x =0 Comprising the Fast Lithium‒Ion		

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19	Solid state NMR at very high temperatures. Progress in Nuclear Magnetic Resonance Spectroscopy, 2019, 114-115, 71-85.	7.5	10
20	Electrospun Li(TFSI)@Polyethylene Oxide Membranes as Solid Electrolytes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1863-1874.	1.2	19
21	Lithium Phosphidogermanates α- and β-Li$_8$GeP$_4$—A Novel Compound Class with Mixed Li$^+$ Ionic and Electronic Conductivity. Chemistry of Materials, 2018, 30, 6440-6448.	6.7	30
22	Enhancement of Li Ion Conductivity by Electrospun Polymer Fibers and Direct Fabrication of Solvent-Free Separator Membranes for Li Ion Batteries. Inorganic Chemistry, 2017, 56, 2100-2107.	4.0	44
23	Development and application of novel NMR methodologies for the in situ characterization of crystallization processes of metastable crystalline materials. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 141-159.	0.8	4
24	Substitution of Lithium for Magnesium, Zinc, and Aluminum in Li$_{15}$Si$_4$: Crystal Structures, Thermodynamic Properties, as well as ^{6}Li and ^{7}Li NMR Spectroscopy of Li$_{15}$Si$_4$ and Li$_{15-x}$M$_x$Si$_4$ (M=Mg, Zn, and Al). Chemistry - A European Journal, 2016, 22, 6598-6609.	3.3	13
25	Study of the glass-to-crystal transformation of the NASICON-type solid electrolyte Li 1+x Al x Ge 2−x (PO 4) 3. Solid State Ionics, 2016, 295, 32-40.	2.7	32
26	Lithium Ion Mobility in Lithium Phosphidosilicates: Crystal Structure, ^{7}Li, ^{29}Si, and ^{31}P MAS NMR Spectroscopy, and Impedance Spectroscopy of Li$_8$SiP$_4$ and Li$_2$SiP$_2$. Chemistry - A European Journal, 2016, 22, 17635-17645.	3.3	62
27	High-temperature MAS-NMR at high spinning speeds. Solid State Nuclear Magnetic Resonance, 2016, 78, 37-39.	2.3	10
28	Structure, phase separation and Li dynamics in sol–gel-derived Li1+xAlxGe2−x(PO4)3. Solid State Ionics, 2015, 276, 47-55.	2.7	41
29	Direct determination of ionic transference numbers in ionic liquids by electrophoretic NMR. Physical Chemistry Chemical Physics, 2015, 17, 30680-30686.	2.8	95
30	Relationships between fragility and structure through viscosity and high temperature NMR measurements in Li 2 O–ZnO–P 2 O 5 phosphate glasses. Journal of Non-Crystalline Solids, 2015, 428, 54-61.	3.1	15
31	Synthesis and Characterization of an Azobenzene–Functionalized Ethene–Bridged PMO. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 561-564.	1.2	2
32	Incorporation of niobium into bridged silsesquioxane based silica networks. Journal of Sol-Gel Science and Technology, 2014, 70, 473-481.	2.4	8
33	The effect of plastic-crystalline succinonitrile on the electrolyte system PEO:LiBF4: Insights from solid state NMR. Solid State Ionics, 2014, 260, 65-75.	2.7	39
34	Stabilizing the Phase Li$_{15}$Si$_4$ through Lithium–Aluminum Substitution in Li$_{15-x}$Al$_x$Si$_4$ (0.4 < x < 0.8)—Single Crystal X-ray Structure Determination of Li$_{15}$Si$_4$ and Li$_{14.37}$Al$_{0.63}$Si$_4$. Chemistry of Materials, 2013, 25, 4113-4121.	6.7	42
35	Local Li Coordination and Ionic Transport in Methacrylate–Based Gel Polymer Electrolytes. ChemPhysChem, 2013, 14, 3113-3120.	2.1	5
36	The Route to the Structure Determination of Amorphous Solids: A Case Study of the Ceramic Si3B3N7. Angewandte Chemie - International Edition, 2006, 45, 4244-4263.	13.8	38

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37	Random inorganic networks: a novel class of high-performance ceramics. Journal of Materials Chemistry, 2001, 11, 223-229.	6.7	36