

Manuel Becher

List of Publications by Year in descending order

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169
citing authors

#	ARTICLE	IF	CITATIONS
1	Field-cycling ^{31}P and ^1H NMR relaxometry studying the reorientational dynamics of glass forming organophosphates. <i>Journal of Chemical Physics</i> , 2022, 156, 074502.	3.0	5
2	NMR Relaxometry Accessing the Relaxation Spectrum in Molecular Glass Formers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5118.	4.1	9
3	A Relation between the Formation of a Hydrogen-Bond Network and a Time-Scale Separation of Translation and Rotation in Molecular Liquids. <i>Journal of Physical Chemistry Letters</i> , 2022, , 4556-4562.	4.6	4
4	Molecular dynamics simulations vs field-cycling NMR relaxometry: Structural relaxation mechanisms in the glass-former glycerol revisited. <i>Journal of Chemical Physics</i> , 2021, 154, 124503.	3.0	15
5	Nuclear Spin Relaxation in Viscous Liquids: Relaxation Stretching of Single-Particle Probes. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13519-13532.	2.6	16
6	On the molecular mechanisms of $\langle i \rangle^{\pm}$ and $\langle i \rangle^2$ relaxations in ionic liquids. <i>Journal of Chemical Physics</i> , 2020, 153, 104507.	3.0	7
7	From Local to Diffusive Dynamics in Polymer Electrolytes: NMR Studies on Coupling of Polymer and Ion Dynamics across Length and Time Scales. <i>Macromolecules</i> , 2019, 52, 9128-9139.	4.8	15
8	On the relation between reorientation and diffusion in glass-forming ionic liquids with micro-heterogeneous structures. <i>Journal of Chemical Physics</i> , 2019, 151, 194503.	3.0	22
9	Spatially resolved magnetic resonance studies of swift heavy ion induced defects and radiolysis products in LiF crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 441, 70-78.	1.4	8
10	Mobility of water molecules in sodium- and copper-exchanged mordenites: Thermal analysis and ^1H NMR study. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 132-142.	4.4	18
11	^1H NMR at Larmor frequencies down to 3 Hz by means of Field-Cycling techniques. <i>Journal of Magnetic Resonance</i> , 2017, 277, 79-85.	2.1	29
12	Perspectives of Deuteron Field-Cycling NMR Relaxometry for Probing Molecular Dynamics in Soft Matter. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7754-7766.	2.6	24