

# Manuel Becher

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

172  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

169  
citing authors

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