

# Detlef Reichert

## List of Publications by Year in descending order

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31  
papers

754  
citations

567281

15  
h-index

526287

27  
g-index

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all docs

31  
docs citations

31  
times ranked

791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Network formation by Michael addition of primary amines to vinyl end groups of enzymatically synthesized poly(glycerol adipate). <i>Polymer International</i> , 2021, 70, 135-144.	3.1	11
2	Polymer Networks Synthesized from Poly(Sorbitol Adipate) and Functionalized Poly(Ethylene Glycol). <i>Gels</i> , 2021, 7, 22.	4.5	8
3	Trajectory-Based Approach for the Analysis of CODEX Solid-State Exchange Experiments in the Slow and Intermediate Motion Regime: Comparison of Experiment, Simulation, and Analytical Treatment. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6839-6850.	3.1	1
4	Tailored Melting Temperatures and Crystallinity of Poly(ethylene oxide) Induced by Designed Chain Defects. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3130-3136.	4.4	1
5	Miniaturized Measurement of Drug-Polymer Interactions via Viscosity Increase for Polymer Selection in Amorphous Solid Dispersions. <i>Molecular Pharmaceutics</i> , 2019, 16, 2214-2225.	4.6	4
6	Crystallization in PEG networks: The importance of network topology and chain tilt in crystals. <i>Polymer</i> , 2019, 165, 72-82.	3.8	41
7	Ion Transport Properties and Ionicity of 1,3-Dimethyl-1,2,3-Triazolium Salts with Fluorinated Anions. <i>Materials</i> , 2018, 11, 1723.	2.9	6
8	Solid State Phase Transitions in Poly(ethylene oxide) Crystals Induced by Designed Chain Defects. <i>Macromolecules</i> , 2018, 51, 4407-4414.	4.8	6
9	Molecular Dynamics in the Crystalline Regions of Poly(ethylene oxide) Containing a Well-Defined Point Defect in the Middle of the Polymer Chain. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4620-4630.	2.6	10
10	Chain Tilt and Crystallization of Ethylene Oxide Oligomers with Midchain Defects. <i>ACS Macro Letters</i> , 2017, 6, 1207-1211.	4.8	12
11	New insights into the interaction of proteins and disaccharides—The effect of pH and concentration. <i>Biopolymers</i> , 2017, 107, 39-45.	2.4	9
12	Crystallization of Poly(ethylene oxide) with a Well-Defined Point Defect in the Middle of the Polymer Chain. <i>Macromolecules</i> , 2016, 49, 6609-6620.	4.8	39
13	Proton conductivity and phase transitions in 1,2,3-triazole. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6153-6163.	2.8	24
14	Helical Jump Motions of Poly(L-Lactic Acid) Chains in the $\beta$ Phase As Revealed by Solid-State NMR. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4552-4563.	2.6	29
15	NMR Characterization of PEG Networks Synthesized by CuAAC Using Reactive Oligomers. <i>Macromolecules</i> , 2013, 46, 6922-6930.	4.8	42
16	Solid-State NMR Approaches to Internal Dynamics of Proteins: From Picoseconds to Microseconds and Seconds. <i>Accounts of Chemical Research</i> , 2013, 46, 2028-2036.	15.6	72
17	The relation of the X-ray B-factor to protein dynamics: insights from recent dynamic solid-state NMR data. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012, 30, 617-627.	3.5	16
18	Microsecond Time Scale Mobility in a Solid Protein As Studied by the $^{15}\text{N}$ Site-Specific NMR Relaxation Rates. <i>Journal of the American Chemical Society</i> , 2010, 132, 11850-11853.	13.7	57

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19	Direct Observation of Millisecond to Second Motions in Proteins by Dipolar CODEX NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 12097-12099.	13.7	45
20	Signal loss in 1D magic-angle spinning exchange NMR (CODEX): radio-frequency limitations and intermediate motions. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7022.	2.8	11
21	CONTRA: Improving the performance of dynamic investigations in natural abundance organic solids by mirror-symmetric constant-time CODEX. <i>Journal of Magnetic Resonance</i> , 2008, 191, 141-147.	2.1	13
22	Slow dynamics in glassy methyl $\beta$ -D-glucopyranoside studied by 1D NMR exchange experiments. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 542-549.	2.8	5
23	Solid-state NMR and protein dynamics. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2005, 47, 1-25.	7.5	98
24	Molecular dynamics in solid polymers. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2005, 47, 137-164.	7.5	52
25	Simultaneous processing of solid-state NMR relaxation and 1D-MAS exchange data: the backbone dynamics of free vs. binase-bound barstar. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1650, 117-127.	2.3	17
26	Identification of Slow Dynamic Processes in Poly(n-hexyl Methacrylate) by Solid-State 1D-MAS Exchange NMR. <i>Macromolecules</i> , 2003, 36, 3992-4003.	4.8	37
27	Investigation of slow dynamic processes in natural abundance polymeric systems by novel 1D-MAS exchange NMR methods. <i>Macromolecular Symposia</i> , 2002, 184, 175-182.	0.7	5
28	Receiver imperfections and CYCLOPS: An alternative description. <i>Concepts in Magnetic Resonance</i> , 2002, 14, 130-139.	1.3	14
29	Slow exchange involving equivalent sites in solids by one-dimensional MAS NMR techniques. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2002, 41, 83-113.	7.5	41
30	Dynamic Carbon-13 MAS NMR: Application to Benzene Ring Flips in Polyaryl Ethers. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 18, 17-36.	2.3	28
31	Solid-state formation of centrosymmetric cage dimeric 4-aryl-1,4-dihydropyridines via non-symmetric syn-dimers studied by $^{13}\text{C}$ cross-polarization magic angle spinning NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 1999, 37, 376-381.	1.9	0