Karsten Seidel

List of Publications by Year
in descending order

22	1,612	471509 17	610901 24
papers	citations	h-index	g-index

24	24	24	1339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of Membrane Protein Structure and Dynamics by Magic-Angle-Spinning Solid-State NMR Spectroscopyâ€. Journal of the American Chemical Society, 2005, 127, 12965-12974.	13.7	292
2	Secondary Structure, Dynamics, and Topology of a Seven-Helix Receptor in Native Membranes, Studied by Solid-State NMR Spectroscopy. Angewandte Chemie - International Edition, 2007, 46, 459-462.	13.8	184
3	Characterization of Alzheimerâ€™s-like Paired Helical Filaments from the Core Domain of Tau Protein Using Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2008, 130, 5922-5928.	13.7	147
4	A Concept for Rapid Protein-Structure Determination by Solid-State NMR Spectroscopy. Angewandte Chemie - International Edition, 2005, 44, 2089-2092.	13.8	144
5	Analysis of Protonâ^'Proton Transfer Dynamics in Rotating Solids and Their Use for 3D Structure Determination. Journal of the American Chemical Society, 2003, 125, 12640-12648.	13.7	130
6	Structural Rearrangements of Membrane Proteins Probed by Water-Edited Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 170-176.	13.7	103
7	High-Resolution Solid-State NMR Studies on Uniformly [13C,15N]-Labeled Ubiquitin. ChemBioChem, 2005, 6, 1638-1647.	2.6	79
8	Protein refolding is required for assembly of the type three secretion needle. Nature Structural and Molecular Biology, 2010, 17, 788-792.	8.2	79
9	3D NMR spectroscopy for resonance assignment and structure elucidation of proteins under MAS: novel pulse schemes and sensitivity considerations. Journal of Magnetic Resonance, 2005, 173, 64-74.	2.1	61
10	Protein solid-state NMR resonance assignments from (13C,13C) correlation spectroscopy. Physical Chemistry Chemical Physics, 2004, 6, 5090.	2.8	57
11	Structural Characterization of Ca²⁺-ATPase-Bound Phospholamban in Lipid Bilayers by Solid-State Nuclear Magnetic Resonance (NMR) Spectroscopy[,]. Biochemistry, 2008, 47, 4369-4376.	2.5	55
12	Complex Formation and Light Activation in Membrane-Embedded Sensory Rhodopsin II as Seen by Solid-State NMR Spectroscopy. Structure, 2010, 18, 293-300.	3.3	49
13	Studying Molecular 3D Structure and Dynamics by High-Resolution Solid-State NMR:Â Application to l-Tyrosine-Ethylester. Journal of Physical Chemistry A, 2005, 109, 2436-2442.	2.5	36
14	Comparative analysis of NMR chemical shift predictions for proteins in the solid phase. Solid State Nuclear Magnetic Resonance, 2009, 35, 235-242.	2.3	35
15	Probing Molecular Motion by Double-Quantum (¹³C,¹³C) Solid-State NMR Spectroscopy: Application to Ubiquitin. Journal of the American Chemical Society, 2010, 132, 223-233.	13.7	34
16	Solubilization of active ingredients of different polarity in PluronicÂ® micellar solutions â€“ Correlations between solubilizate polarity and solubilization site. Journal of Colloid and Interface Science, 2016, 477, 94-102.	9.4	29
17	High strength, epoxy cross-linked high sulfur content polymers from one-step reactive compatibilization inverse vulcanization. Chemical Science, 2022, 13, 566-572.	7.4	14
18	Cross-examining Polyurethane Nanodomain Formation and Internal Structure. Macromolecules, 2020, 53, 9065-9073.	4.8	13

#	Article	IF	Citations
19	Determining nanoform similarity via assessment of surface reactivity by abiotic and in vitro assays. NanoImpact, 2022, 26, 100390.	4.5	10
20	Mayenite-based electride C12A7eâ¯: an innovative synthetic method via plasma arc melting. Materials Chemistry Frontiers, 2021, 5, 1301-1314.	5.9	9
21	Ion distribution in copper exchanged zeolites by using Si-29 spin lattice relaxation analysis. Journal of Magnetic Resonance, 2016, 267, 9-14.	2.1	5
22	Mayenite-Based Electride C12A7eâ¯: A Reactivity and Stability Study. Catalysts, 2021, 11, 334.	3.5	5