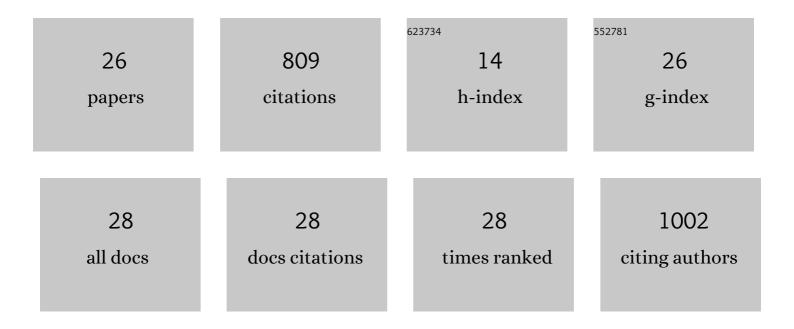
Gregory Lars Olsen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A novel sample handling system for dissolution dynamic nuclear polarization experiments. Magnetic Resonance, 2021, 2, 387-394.	1.9	9
2	Sensitivity-enhanced three-dimensional and carbon-detected two-dimensional NMR of proteins using hyperpolarized water. Journal of Biomolecular NMR, 2020, 74, 161-171.	2.8	17
3	A 300-fold enhancement of imino nucleic acid resonances by hyperpolarized water provides a new window for probing RNA refolding by 1D and 2D NMR. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2449-2455.	7.1	29
4	Assessing Site-Specific Enhancements Imparted by Hyperpolarized Water in Folded and Unfolded Proteins by 2D HMQC NMR. Journal of the American Chemical Society, 2020, 142, 9267-9284.	13.7	17
5	Natural Abundance, Single-Scan13C–13C-Based Structural Elucidations by Dissolution DNP NMR. Journal of the American Chemical Society, 2019, 141, 1857-1861.	13.7	10
6	High-Resolution 2D NMR of Disordered Proteins Enhanced by Hyperpolarized Water. Analytical Chemistry, 2018, 90, 6169-6177.	6.5	36
7	Sensitivity-enhanced detection of non-labile proton and carbon NMR spectra on water resonances. Physical Chemistry Chemical Physics, 2018, 20, 56-62.	2.8	9
8	Identification and Rationalization of Kinetic Folding Intermediates for a Low-Density Lipoprotein Receptor Ligand-Binding Module. Biochemistry, 2018, 57, 4776-4787.	2.5	4
9	Heteronuclear 1D and 2D NMR Resonances Detected by Chemical Exchange Saturation Transfer to Water. Angewandte Chemie - International Edition, 2017, 56, 3521-3525.	13.8	10
10	Heteronuclear 1D and 2D NMR Resonances Detected by Chemical Exchange Saturation Transfer to Water. Angewandte Chemie, 2017, 129, 3575-3579.	2.0	0
11	Acquiring and processing ultrafast biomolecular 2D NMR experiments using a referenced-based correction. Journal of Biomolecular NMR, 2016, 66, 141-157.	2.8	6
12	On The Potential of Dynamic Nuclear Polarization Enhanced Diamonds in Solid tate and Dissolution ¹³ Câ€NMR Spectroscopy. ChemPhysChem, 2016, 17, 2691-2701.	2.1	21
13	Optimizing water hyperpolarization and dissolution for sensitivity-enhanced 2D biomolecular NMR. Journal of Magnetic Resonance, 2016, 264, 49-58.	2.1	44
14	Nanoporous frameworks exhibiting multiple stimuli responsiveness. Nature Communications, 2014, 5, 3588.	12.8	146
15	Homonuclear Decoupling of ¹ H Dipolar Interactions in Solids by means of Heteronuclear Recoupling. Israel Journal of Chemistry, 2014, 54, 154-162.	2.3	2
16	Monitoring Mechanistic Details in the Synthesis of Pyrimidines via Real-Time, Ultrafast Multidimensional NMR Spectroscopy. Journal of the American Chemical Society, 2012, 134, 2706-2715.	13.7	56
17	Toward single-shot pure-shift solution 1H NMR by trains of BIRD-based homonuclear decoupling. Journal of Magnetic Resonance, 2012, 218, 141-146.	2.1	128
18	Deuterium Magic Angle Spinning NMR Used To Study the Dynamics of Peptides Adsorbed onto Polystyrene and Functionalized Polystyrene Surfaces. Journal of Physical Chemistry B, 2011, 115, 9452-9460.	2.6	8

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19	Theory of Nonrigid Rotational Motion Applied to NMR Relaxation in RNA. Journal of Physical Chemistry A, 2011, 115, 12055-12069.	2.5	10
20	Slow Exchange Model of Nonrigid Rotational Motion in RNA for Combined Solid-State and Solution NMR Studies. Journal of Physical Chemistry B, 2010, 114, 15991-16002.	2.6	11
21	Intermediate Rate Atomic Trajectories of RNA by Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2010, 132, 303-308.	13.7	38
22	Hydration dependent dynamics in RNA. Journal of Biomolecular NMR, 2009, 45, 133-142.	2.8	35
23	Solid-State Deuterium NMR Studies Reveal μs-ns Motions in the HIV-1 Transactivation Response RNA Recognition Site. Journal of the American Chemical Society, 2008, 130, 2896-2897.	13.7	47
24	A REDOR study of diammonium hydrogen phosphate: A model for distance measurements from adsorbed molecules to surfaces. Solid State Nuclear Magnetic Resonance, 2006, 29, 242-250.	2.3	13
25	Monitoring tat peptide binding to TAR RNA by solid-state 31P-19F REDOR NMR. Nucleic Acids Research, 2005, 33, 3447-3454.	14.5	63
26	Determination of DNA minor groove width in distamycin-DNA complexes by solid-state NMR. Nucleic Acids Research, 2003, 31, 5084-5089.	14.5	38