Philippe Pelupessy

List of Publications by Year
in descending order

32	1,053	471509 17	501196 28
papers	citations	h-index	g-index

38	38	38	890
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adiabatic Single Scan Two-Dimensional NMR Spectrocopy. Journal of the American Chemical Society, 2003, 125, 12345-12350.	13.7	179
2	Chemical Shift Anisotropy Tensors of Carbonyl, Nitrogen, and Amide Proton Nuclei in Proteins through Cross-Correlated Relaxation in NMR Spectroscopy. Journal of the American Chemical Society, 2005, 127, 6062-6068.	13.7	107
3	Nanosecond Time Scale Motions in Proteins Revealed by High-Resolution NMR Relaxometry. Journal of the American Chemical Society, 2013, 135, 18665-18672.	13.7	80
4	Distribution of Pico- and Nanosecond Motions in Disordered Proteins from Nuclear Spin Relaxation. Biophysical Journal, 2015, 109, 988-999.	0.5	77
5	High-Resolution NMR in Magnetic Fields with Unknown Spatiotemporal Variations. Science, 2009, 324, 1693-1697.	12.6	72
6	Relaxation of Two-Spin Coherence Due to Cross-Correlated Fluctuations of Dipoleâ^'Dipole Couplings and Anisotropic Shifts in NMR of 15N,13C-Labeled Biomolecules. Journal of the American Chemical Society, 1999, 121, 6876-6883.	13.7	68
7	Symmetrical reconversion: measuring cross-correlation rates with enhanced accuracy. Journal of Magnetic Resonance, 2003, 161, 258-264.	2.1	58
8	Improving resolution in single-scan 2D spectroscopy. Journal of Magnetic Resonance, 2008, 194, 169-174.	2.1	53
9	Exchange Rate Constants of Invisible Protons in Proteins Determined by NMR Spectroscopy. ChemBioChem, 2008, 9, 537-542.	2.6	47
10	Measuring fast hydrogen exchange rates by NMR spectroscopy. Journal of Magnetic Resonance, 2007, 184, 108-113.	2.1	37
11	Accurate measurement of longitudinal cross-relaxation rates in nuclear magnetic resonance. Journal of Chemical Physics, 2007, 126, 134508.	3.0	35
12	Determination of Chemical Shift Anisotropy Tensors of Carbonyl Nuclei in Proteins through Cross-Correlated Relaxation in NMR. ChemPhysChem, 2004, 5, 807-814.	2.1	33
13	Challenges in preparing, preserving and detecting para-water in bulk: overcoming proton exchange and other hurdles. Physical Chemistry Chemical Physics, 2015, 17, 26819-26827.	2.8	29
14	Protein Backbone Dynamics through13Câ€˜â^'13CÎ±Cross-Relaxation in NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 11072-11078.	13.7	28
15	High-resolution two-field nuclear magnetic resonance spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 33187-33194.	2.8	26
16	Recovering Invisible Signals by Twoâ€Field NMR Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 9886-9889.	13.8	23
17	Fast Proton Exchange in Histidine: Measurement of Rate Constants through Indirect Detection by NMR Spectroscopy. Chemistry - A European Journal, 2014, 20, 6332-6338.	3.3	19
18	Theoretical and computational framework for the analysis of the relaxation properties of arbitrary spin systems. Application to high-resolution relaxometry. Journal of Magnetic Resonance, 2020, 313, 106718.	2.1	18

#	Article	IF	Citations
19	Cross-encoded magnetic resonance imaging in inhomogeneous fields. Journal of Magnetic Resonance, 2009, 201, 199-204.	2.1	14
20	Determination of the antisymmetric part of the chemical shift anisotropy tensor via spin relaxation in nuclear magnetic resonance. Journal of Chemical Physics, 2010, 133, 034506.	3.0	12
21	An easy-to-implement combinatorial approach involving an activity-based assay for the discovery of a peptidyl copper complex mimicking superoxide dismutase. Chemical Communications, 2020, 56, 399-402.	4.1	10
22	Kinetic isotope effects for fast deuterium and proton exchange rates. Physical Chemistry Chemical Physics, 2016, 18, 10144-10151.	2.8	8
23	Unexpected Acidâ€Triggered Formation of Reversibly Photoswitchable Stenhouse Salts from Donorâ€Acceptor Stenhouse Adducts. Chemistry - A European Journal, 2022, 28, .	3.3	5
24	Cross-correlation between a carbonyl C' chemical shift anisotropy and a long-range dipolar C'HA coupling in proteins using symmetrical reconversion. Journal of Biomolecular NMR, 2003, 27, 159-163.	2.8	3
25	The effects of molecular diffusion in spatially encoded magnetic resonance imaging. Journal of Magnetic Resonance, 2016, 273, 98-104.	2.1	3
26	Recovering Invisible Signals by Twoâ€Field NMR Spectroscopy. Angewandte Chemie, 2016, 128, 10040-10043.	2.0	3
27	Susceptibility contrast by echo shifting in spatially encoded single-scan MRI. Physical Chemistry Chemical Physics, 2017, 19, 14210-14213.	2.8	3
28	Advances in single-scan time-encoding magnetic resonance imaging. Scientific Reports, 2018, 8, 10891.	3.3	1
29	Exchange Rate Constants of Invisible Protons in Proteins Determined by NMR Spectroscopy. ChemBioChem, 2009, 10, 782-782.	2.6	0
30	Spatio-temporal encoding by quadratic gradients in magnetic resonance imaging. Journal of Magnetic Resonance Open, 2020, 4-5, 100008.	1.1	0
31	Two-field transverse relaxation-optimized spectroscopy for the study of large biomolecules â€“ An in silico investigation. Journal of Magnetic Resonance Open, 2020, 4-5, 100007.	1.1	0
32	A Direct NMR Method To Measure Selfâ€Diffusion Coefficients in Liquids by Monitoring Diffusing Molecules through Oneâ€Dimensional Imaging. ChemPhysChem, 2022, 23, .	2.1	0