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	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
2	Unexpected Acidâ€Triggered Formation of Reversibly Photoswitchable Stenhouse Salts from Donorâ€Acceptor Stenhouse Adducts. Chemistry - A European Journal, 2022, 28, .	3.3	5
3	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
4	Spatio-temporal encoding by quadratic gradients in magnetic resonance imaging. Journal of Magnetic Resonance Open, 2020, 4-5, 100008.	1.1	0
5	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
6	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
7	Advances in single-scan time-encoding magnetic resonance imaging. Scientific Reports, 2018, 8, 10891.	3.3	1
8	Susceptibility contrast by echo shifting in spatially encoded single-scan MRI. Physical Chemistry Chemical Physics, 2017, 19, 14210-14213.	2.8	3
9	The effects of molecular diffusion in spatially encoded magnetic resonance imaging. Journal of Magnetic Resonance, 2016, 273, 98-104.	2.1	3
10	Recovering Invisible Signals by Twoâ€Field NMR Spectroscopy. Angewandte Chemie, 2016, 128, 10040-10043.	2.0	3
11	Recovering Invisible Signals by Twoâ€Field NMR Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 9886-9889.	13.8	23
12	High-resolution two-field nuclear magnetic resonance spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 33187-33194.	2.8	26
13	Kinetic isotope effects for fast deuterium and proton exchange rates. Physical Chemistry Chemical Physics, 2016, 18, 10144-10151.	2.8	8
14	Distribution of Pico- and Nanosecond Motions in Disordered Proteins from Nuclear Spin Relaxation. Biophysical Journal, 2015, 109, 988-999.	0.5	77
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	High-Resolution NMR in Magnetic Fields with Unknown Spatiotemporal Variations. Science, 2009, 324, 1693-1697.	12.6	72
20	Exchange Rate Constants of Invisible Protons in Proteins Determined by NMR Spectroscopy. ChemBioChem, 2009, 10, 782-782.	2.6	0
21	Cross-encoded magnetic resonance imaging in inhomogeneous fields. Journal of Magnetic Resonance, 2009, 201, 199-204.	2.1	14
22	Exchange Rate Constants of Invisible Protons in Proteins Determined by NMR Spectroscopy. ChemBioChem, 2008, 9, 537-542.	2.6	47
23	Improving resolution in single-scan 2D spectroscopy. Journal of Magnetic Resonance, 2008, 194, 169-174.	2.1	53
24	Accurate measurement of longitudinal cross-relaxation rates in nuclear magnetic resonance. Journal of Chemical Physics, 2007, 126, 134508.	3.0	35
25	Measuring fast hydrogen exchange rates by NMR spectroscopy. Journal of Magnetic Resonance, 2007, 184, 108-113.	2.1	37
26	Protein Backbone Dynamics through13Câ€˜â˜’13CÎ±Cross-Relaxation in NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 11072-11078.	13.7	28
27	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
28	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
29	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
30	Symmetrical reconversion: measuring cross-correlation rates with enhanced accuracy. Journal of Magnetic Resonance, 2003, 161, 258-264.	2.1	58
31	Adiabatic Single Scan Two-Dimensional NMR Spectrocopy. Journal of the American Chemical Society, 2003, 125, 12345-12350.	13.7	179
32	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