

Axel Meissner

List of Publications by Year in descending order

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37
papers

1,712
citations

257450

24
h-index

330143

37
g-index

39
all docs

39
docs citations

39
times ranked

1979
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of $J(\text{H},\text{H})$ and long-range $J(\text{X},\text{H})$ coupling constants in small molecules. Broadband XLOC and J-HMBC. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 49-52.	1.9	157
2	Spin-State-Selective Excitation. Application for E.COSY-Type Measurement of $J(\text{H},\text{H})$ Coupling Constants. <i>Journal of Magnetic Resonance</i> , 1997, 128, 92-97.	2.1	150
3	Integration of spin-state-selective excitation into 2D NMR correlation experiments with the heteronuclear ZQ/2Q pi rotations for $1J(\text{X},\text{H})$ -resolved E.COSY-type measurements of heteronuclear coupling constants in proteins. <i>Journal of Biomolecular NMR</i> , 1997, 10, 89-94.	2.8	134
4	Metabolic classification of South American <i>Ilex</i> species by NMR-based metabolomics. <i>Phytochemistry</i> , 2010, 71, 773-784.	2.9	130
5	Title is missing!. <i>Journal of Biomolecular NMR</i> , 1997, 10, 181-186.	2.8	126
6	Kinetic Models of Cyclosporin A in Polar and Apolar Environments Reveal Multiple Congruent Conformational States. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 1547-1562.	5.4	95
7	A metabolomic profile is associated with the risk of incident coronary heart disease. <i>American Heart Journal</i> , 2014, 168, 45-52.e7.	2.7	74
8	Insight in Genome-Wide Association of Metabolite Quantitative Traits by Exome Sequence Analyses. <i>PLoS Genetics</i> , 2015, 11, e1004835.	3.5	70
9	Pulse Sequences for Measurement of One-Bond ^{15}N - ^1H Coupling Constants in the Protein Backbone. <i>Journal of Magnetic Resonance</i> , 1999, 140, 259-263.	2.1	67
10	Economizing spectrometer time and broadband excitation in small-molecule heteronuclear NMR correlation spectroscopy. Broadband HMBC. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 981-984.	1.9	61
11	Metabonomic investigation of human <i>Schistosoma mansoni</i> infection. <i>Molecular BioSystems</i> , 2011, 7, 1473.	2.9	57
12	Interconversion Rates between Conformational States as Rationale for the Membrane Permeability of Cyclosporines. <i>ChemPhysChem</i> , 2017, 18, 3309-3314.	2.1	53
13	^{13}C Natural Abundance S3E and S3CT Experiments for Measurement of Coupling Constants between ^{13}C or ^1H and Other Protons in a Protein. <i>Journal of Magnetic Resonance</i> , 1999, 137, 237-242.	2.1	46
14	Metabolism and Disposition of Siponimod, a Novel Selective S1P_1 / S1P_5 Agonist, in Healthy Volunteers and In Vitro Identification of Human Cytochrome P450 Enzymes Involved in Its Oxidative Metabolism. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1001-1013.	3.3	43
15	Double spin-state-selective coherence transfer. Application for two-dimensional selection of multiplet components with long transverse relaxation times. <i>Molecular Physics</i> , 1998, 95, 1137-1142.	1.7	40
16	Double spin-state-selective coherence transfer. Application for twodimensional selection of multiplet components with long transverse relaxation times. <i>Molecular Physics</i> , 1998, 95, 1137-1142.	1.7	36
17	The Role of Coherence Transfer Efficiency in Design of TROSY-Type Multidimensional NMR Experiments. <i>Journal of Magnetic Resonance</i> , 1999, 139, 439-442.	2.1	34
18	New Techniques for the Measurement of ^1H - ^{15}N and ^1H - ^2H Coupling Constants across Hydrogen Bonds in Proteins. <i>Journal of Magnetic Resonance</i> , 2000, 143, 387-390.	2.1	34

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19	Spin-State-Selective Polarization or Excitation for Simultaneous E.COSY-Type Measurement of $3J(C\alpha, H\beta)$ and $3J(HN, H\beta)$ Coupling Constants with Enhanced Sensitivity and Resolution in Multidimensional NMR Spectroscopy of $^{13}C, ^{15}N$ -Labeled Proteins. <i>Journal of the American Chemical Society</i> , 1998, 120, 3803-3804.	13.7	32
20	Relaxation Artifacts and Their Suppression in Multidimensional E.COSY-type NMR Experiments for Measurement of J Coupling Constants in ^{13}C - or ^{15}N -Labeled Proteins. <i>Journal of the American Chemical Society</i> , 1998, 120, 7989-7990.	13.7	31
21	Optimization of Three-Dimensional TROSY-Type HCCH NMR Correlation of Aromatic $^1H\alpha\text{-}^{13}C$ Groups in Proteins. <i>Journal of Magnetic Resonance</i> , 1999, 139, 447-450.	2.1	25
22	Three-Dimensional Protein NMR TROSY-Type ^{15}N -resolved $^1H\alpha\text{-}^1HN$ NOESY Spectra with Diagonal Peak Suppression. <i>Journal of Magnetic Resonance</i> , 2000, 142, 195-198.	2.1	25
23	Absorption, Distribution, Metabolism, and Excretion of Capmatinib (INC280) in Healthy Male Volunteers and In Vitro Aldehyde Oxidase Phenotyping of the Major Metabolite. <i>Drug Metabolism and Disposition</i> , 2020, 48, 873-885.	3.3	25
24	Suppression of Diagonal Peaks in TROSY-Type 1H NMR NOESY Spectra of ^{15}N -Labeled Proteins. <i>Journal of Magnetic Resonance</i> , 1999, 140, 499-503.	2.1	24
25	3J Coupling between $C\beta$ and HN across Hydrogen Bonds in Proteins. <i>Journal of Magnetic Resonance</i> , 2000, 143, 431-434.	2.1	24
26	Comparison of ^{19}F NMR and ^{14}C Measurements for the Assessment of ADME of BYL719 (Alpelisib) in Humans. <i>Drug Metabolism and Disposition</i> , 2017, 45, 900-907.	3.3	18
27	1H -NMR metabolic profiling of cerebrospinal fluid in patients with complex regional pain syndrome-related dystonia. <i>Pain</i> , 2014, 155, 190-196.	4.2	14
28	Exercise in modern NMR pulse sequence design: INADEQUATE CR. <i>Concepts in Magnetic Resonance</i> , 2002, 14, 141-154.	1.3	13
29	Editing of multidimensional NMR spectra of partially deuterated proteins. Measurement of amide deuterium isotope effects on the chemical shifts of protein backbone nuclei. <i>Journal of Biomolecular NMR</i> , 1998, 12, 339-343.	2.8	12
30	Ethanol contamination of cerebrospinal fluid during standardized sampling and its effect on 1H -NMR metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4835-4839.	3.7	12
31	Metabolomic changes in CSF of migraine patients measured with 1H -NMR spectroscopy. <i>Molecular BioSystems</i> , 2016, 12, 3674-3682.	2.9	10
32	Suppression of Diagonal Peaks in Three-Dimensional Protein NMR TROSY-Type HCCH Correlation Experiments. <i>Journal of Magnetic Resonance</i> , 2000, 144, 171-174.	2.1	8
33	I-spin n-quantum coherences in InS spin systems employed for E.COSY-type measurement of heteronuclear long-range coupling constants in NMR. <i>Chemical Physics Letters</i> , 1997, 276, 97-102.	2.6	7
34	New Multidimensional Editing Experiments for Measurement of Amide Deuterium Isotope Effects on $C\beta$ Chemical Shifts in $^{13}C, ^{15}N$ -Labeled Proteins. <i>Journal of Magnetic Resonance</i> , 1998, 135, 547-550.	2.1	6
35	Editing and diagonal peak suppression in three-dimensional HCCH protein NMR correlation experiments. , 2001, 19, 69-73.		4
36	Enhanced diagonal peak suppression in three-dimensional TROSY-type ^{15}N -resolved $^1HN\text{-}^1HN$ NOESY spectra. <i>Concepts in Magnetic Resonance</i> , 2002, 14, 1-8.	1.3	2

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37	Effect of Suboptimal Sampling and Handling Conditions on Urinary Metabolic Profiles. Chromatographia, 2015, 78, 429-434.	1.3	2