Gareth A Morris

List of Publications by Year
in descending order

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243 papers	12,494 citations	30047 54 h-index	30894 102 g-index
279 all docs	279 docs citations	279 times ranked	6547 citing authors

#	Article	IF	Citations
1	Improved Quantification by Nuclear Magnetic Resonance Spectroscopy of the Fatty Acid Ester Composition of Extra Virgin Olive Oils. ACS Food Science & Technology, 2022, 2, 1237-1242.	1.3	1
2	Singleâ€Scan Selective Excitation of Individual NMR Signals in Overlapping Multiplets. Angewandte Chemie, 2021, 133, 676-679.	1.6	3
3	Enhanced liquid phase exfoliation of graphene in water using an insoluble bis-pyrene stabiliser. Faraday Discussions, 2021, 227, 46-60.	1.6	12
4	Singleâ€Scan Selective Excitation of Individual NMR Signals in Overlapping Multiplets. Angewandte Chemie - International Edition, 2021, 60, 666-669.	7.2	32
5	Single-scan ultra-selective 1D total correlation spectroscopy. Chemical Communications, 2021, 57, 2368-2371.	2.2	16
6	Broadband measurement of true transverse relaxation rates in systems with coupled protons: application to the study of conformational exchange. Chemical Science, 2021, 12, 11538-11547.	3.7	4
7	Signal-to-noise ratio in diffusion-ordered spectroscopy: how good is good enough?. Magnetic Resonance, 2021, 2, 733-739.	0.8	4
8	Improving the Sensitivity of FESTA Methods for the Analysis of Fluorinated Mixtures. Analytical Chemistry, 2020, 92, 2224-2228.	3.2	9
9	Varian Associates and the birth of commercial NMR spectroscopy. Journal of Magnetic Resonance, 2019, 306, 12-16.	1.2	6
10	Dissect and Divide: Putting NMR Spectra of Mixtures under the Knife. Journal of the American Chemical Society, 2019, 141, 5766-5771.	6.6	21
11	Improved ultra-broadband chirp excitation. Journal of Magnetic Resonance, 2019, 302, 28-33.	1.2	16
12	Sharpening Up Your Spectra: Broadband Homonuclear Decoupling in HSQC by Real-Time Pure Shift Acquisition. Synlett, 2019, 30, 1015-1025.	1.0	6
13	Diffusional attenuation during soft pulses: A Zangger-Sterk pure shift iDOSY experiment. Journal of Magnetic Resonance, 2019, 301, 85-93.	1.2	4
14	Improving the Interpretation of Small Molecule Diffusion Coefficients. Analytical Chemistry, 2018, 90, 3987-3994.	3.2	129
15	The GNAT: A new tool for processing NMR data. Magnetic Resonance in Chemistry, 2018, 56, 546-558.	1.1	63
16	Practical aspects of realâ€time pure shift HSQC experiments. Magnetic Resonance in Chemistry, 2018, 56, 993-1005.	1.1	20
17	FESTA: An Efficient Nuclear Magnetic Resonance Approach for the Structural Analysis of Mixtures Containing Fluorinated Species. Analytical Chemistry, 2018, 90, 5445-5450.	3.2	19
18	PSYCHE Pure Shift NMR Spectroscopy. Chemistry - A European Journal, 2018, 24, 13988-14000.	1.7	63

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19	Frontispiece: PSYCHE Pure Shift NMR Spectroscopy. Chemistry - A European Journal, 2018, 24, .	1.7	1
20	Unexploited Dimension: New Software for Mixture Analysis by 3D Diffusion-Ordered NMR Spectroscopy. Analytical Chemistry, 2018, 90, 13695-13701.	3.2	10
21	Semi-real-time acquisition for fast pure shift NMR at maximum resolution. Journal of Magnetic Resonance, 2018, 293, 19-27.	1.2	15
22	Suppression of 13C satellites in 1H DOSY spectra. Journal of Magnetic Resonance, 2018, 295, 6-11.	1.2	0
23	Anatomising proton NMR spectra with pure shift 2D J-spectroscopy: A cautionary tale. Chemical Physics Letters, 2017, 683, 398-403.	1.2	21
24	Matrix-assisted diffusion-ordered NMR spectroscopy with an invisible matrix: a vanishing surfactant. RSC Advances, 2017, 7, 449-452.	1.7	12
25	Guanosineâ€5â€²â€Monophosphate Polyamine Hybrid Hydrogels: Enhanced Gel Strength Probed by zâ€Spectroscopy. Chemistry - A European Journal, 2017, 23, 7755-7760.	1.7	12
26	Matrix-assisted diffusion-ordered NMR spectroscopy with an invisible, tuneable matrix. RSC Advances, 2017, 7, 10757-10762.	1.7	2
27	Relaxation-encoded NMR experiments for mixture analysis: REST and beer. Chemical Communications, 2017, 53, 7461-7464.	2.2	28
28	¹³C Satellite-Free ¹H NMR Spectra. Analytical Chemistry, 2017, 89, 11898-11901.	3.2	10
29	Ultraclean pure shift NMR. Chemical Communications, 2017, 53, 10188-10191.	2.2	52
30	1H and 19F NMR in drug stress testing: the case of voriconazole. RSC Advances, 2017, 7, 34000-34004.	1.7	7
31	¹⁹F NMR matrixâ€assisted DOSY: a versatile tool for differentiating fluorinated species in mixtures. Magnetic Resonance in Chemistry, 2017, 55, 323-328.	1.1	12
32	Clearing the undergrowth: detection and quantification of low level impurities using ¹⁹F NMR. Chemical Communications, 2017, 53, 123-125.	2.2	5
33	Ultrahighâ€Resolution Diffusionâ€Ordered Spectroscopy. Angewandte Chemie, 2016, 128, 15808-15811.	1.6	13
34	A General Method for Extracting Individual Coupling Constants from Crowded ¹Hâ€...NMR Spectra. Angewandte Chemie, 2016, 128, 1102-1105.	1.6	13
35	Very broadband diffusion-ordered NMR spectroscopy: ¹⁹F DOSY. Chemical Communications, 2016, 52, 6892-6894.	2.2	22
36	A General Method for Extracting Individual Coupling Constants from Crowded ¹Hâ€...NMR Spectra. Angewandte Chemie - International Edition, 2016, 55, 1090-1093.	7.2	71

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37	Real-time broadband proton-homodecoupled CLIP/CLAP-HSQC for automated measurement of heteronuclear one-bond coupling constants. RSC Advances, 2016, 6, 87848-87855.	1.7	20
38	Convection in liquid-state NMR: expect the unexpected. RSC Advances, 2016, 6, 95173-95176.	1.7	39
39	A new tool for NMR analysis of complex systems: selective pure shift TOCSY. RSC Advances, 2016, 6, 100063-100066.	1.7	30
40	Extraction of distance restraints from pure shift NOE experiments. Journal of Magnetic Resonance, 2016, 271, 99-109.	1.2	17
41	Matrixâ€assisted diffusionâ€ordered spectroscopy: choosing a matrix. Magnetic Resonance in Chemistry, 2016, 54, 815-820.	1.1	14
42	Ultrahighâ€Resolution Diffusionâ€Ordered Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 15579-15582.	7.2	59
43	Fifty years of â€œProgress in NMR Spectroscopyâ€•â€“ An editorial from the present Editorial Board. Progress in Nuclear Magnetic Resonance Spectroscopy, 2016, 94-95, A2.	3.9	0
44	Enhancement of the properties of a drug by mono-deuteriation: reduction of acid-catalysed formation of a gut-motilide enol ether from 8-deuterio-erythromycin B. Organic and Biomolecular Chemistry, 2016, 14, 6289-6296.	1.5	11
45	Improving accuracy in DOSY and diffusion measurements using triaxial field gradients. Journal of Magnetic Resonance, 2016, 270, 24-30.	1.2	25
46	Increasing the quantitative bandwidth of NMR measurements. Chemical Communications, 2016, 52, 2916-2919.	2.2	44
47	Ultra-high dispersion NMR reveals new levels of detail. RSC Advances, 2015, 5, 52902-52906.	1.7	5
48	Flaws in foldamers: conformational uniformity and signal decay in achiral helical peptide oligomers. Chemical Science, 2015, 6, 2313-2322.	3.7	36
49	Sample convection in liquid-state NMR: Why it is always with us, and what we can do about it. Journal of Magnetic Resonance, 2015, 252, 120-129.	1.2	76
50	Homoleptic Trigonal Planar Lanthanide Complexes Stabilized by Superbulky Silylamide Ligands. Organometallics, 2015, 34, 2314-2325.	1.1	45
51	Precise Measurement of Longâ€Range Heteronuclear Coupling Constants by a Novel Broadband Protonâ€“Protonâ€Decoupled CPMGâ€HSQMBC Method. Chemistry - A European Journal, 2015, 21, 3472-3479.	1.7	17
52	Minimising Research Bottlenecks by Decluttering NMR Spectra. Chemistry - A European Journal, 2015, 21, 6623-6630.	1.7	27
53	Real-time pure shift 15N HSQC of proteins: a real improvement in resolution and sensitivity. Journal of Biomolecular NMR, 2015, 62, 43-52.	1.6	30
54	Conformational Switching of a Foldamer in a Multicomponent System by pH-Filtered Selection between Competing Noncovalent Interactions. Journal of the American Chemical Society, 2015, 137, 6680-6691.	6.6	60

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55	Measuring couplings in crowded NMR spectra: pure shift NMR with multiplet analysis. Chemical Communications, 2015, 51, 15410-15413.	2.2	85
56	The Varian story. Journal of Magnetic Resonance, 2015, 250, 80-84.	1.2	9
57	Resolving complex mixtures: trilinear diffusion data. Journal of Biomolecular NMR, 2014, 58, 251-257.	1.6	14
58	¹⁹F DOSY NMR analysis for spin systems with ⁿJ_{FF} couplings. Magnetic Resonance in Chemistry, 2014, 52, 172-177.	1.1	26
59	Ultrahighâ€Resolution NMR Spectroscopy. Angewandte Chemie - International Edition, 2014, 53, 6990-6992.	7.2	254
60	Suppressing exchange effects in diffusion-ordered NMR spectroscopy. Journal of Magnetic Resonance, 2014, 238, 16-19.	1.2	33
61	â€œPerfectingâ€•pure shift HSQC: full homodecoupling for accurate and precise determination of heteronuclear couplings. Chemical Communications, 2014, 50, 15702-15705.	2.2	53
62	Diastereomeric ratio determination by high sensitivity band-selective pure shift NMR spectroscopy. Chemical Communications, 2014, 50, 2512-2514.	2.2	67
63	Natural product mixture analysis by matrix-assisted DOSY using Brij surfactants in mixed solvents. RSC Advances, 2014, 4, 42029-42034.	1.7	14
64	Systematic Comparison of Sets of ¹³C NMR Spectra That Are Potentially Identical. Confirmation of the Configuration of a Cuticular Hydrocarbon from the Cane Beetle Antitrogus parvulus. Journal of Organic Chemistry, 2014, 79, 7477-7490.	1.7	20
65	â€œPure shiftâ€•¹H NMR, a robust method for revealing heteronuclear couplings in complex spectra. RSC Advances, 2014, 4, 8278-8282.	1.7	24
66	Foldamerâ€Mediated Remote Stereocontrol: >1,60 Asymmetric Induction. Angewandte Chemie - International Edition, 2014, 53, 151-155.	7.2	108
67	Ultrahigh-Resolution Total Correlation NMR Spectroscopy. Journal of the American Chemical Society, 2014, 136, 11867-11869.	6.6	114
68	Accurate determination of one-bond heteronuclear coupling constants with â€œpure shiftâ€•broadband proton-decoupled CLIP/CLAP-HSQC experiments. Journal of Magnetic Resonance, 2014, 239, 130-138.	1.2	52
69	Cleaning up NMR spectra with reference deconvolution for improving multivariate analysis of complex mixture spectra. Journal of Chemometrics, 2014, 28, 656-662.	0.7	21
70	Simultaneously Enhancing Spectral Resolution and Sensitivity in Heteronuclear Correlation NMR Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 11616-11619.	7.2	160
71	Filter diagonalization method for processing PFG NMR data. Journal of Magnetic Resonance, 2013, 234, 125-134.	1.2	19
72	Unmixing the NMR spectra of similar species â€“ vive la diffÃ©rence. Chemical Communications, 2013, 49, 10510.	2.2	37

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73	â€œPerfectingâ€•WATERGATE: clean proton NMR spectra from aqueous solution. Chemical Communications, 2013, 49, 358-360.	2.2	115
74	Quantitative Interpretation of Diffusionâ€Ordered NMR Spectra: Can We Rationalize Small Molecule Diffusion Coefficients?. Angewandte Chemie - International Edition, 2013, 52, 3199-3202.	7.2	181
75	Left-Handed Helical Preference in an Achiral Peptide Chain Is Induced by an <scp>l</scp>-Amino Acid in an N-Terminal Type II Î²-Turn. Journal of Organic Chemistry, 2013, 78, 2248-2255.	1.7	43
76	Detection of Potential TNA and RNA Nucleoside Precursors in a Prebiotic Mixture by Pure Shift Diffusionâ€Ordered NMR Spectroscopy. Chemistry - A European Journal, 2013, 19, 4586-4595.	1.7	30
77	Is nevirapine atropisomeric? Experimental and computational evidence for rapid conformational inversion. Organic and Biomolecular Chemistry, 2012, 10, 716-719.	1.5	19
78	Total synthesis of a cuticular hydrocarbon from the cane beetle Antitrogus parvulus: confirmation of the relative stereochemistry. Organic and Biomolecular Chemistry, 2012, 10, 1743.	1.5	14
79	Spin echo NMR spectra without J modulation. Chemical Communications, 2012, 48, 811-813.	2.2	218
80	Flavonoid Mixture Analysis by Matrix-Assisted Diffusion-Ordered Spectroscopy. Journal of Natural Products, 2012, 75, 131-134.	1.5	39
81	Matrixâ€assisted diffusionâ€ordered spectroscopy: application of surfactant solutions to the resolution of isomer spectra. Magnetic Resonance in Chemistry, 2012, 50, 458-465.	1.1	20
82	Decoupling Twoâ€Dimensional NMR Spectroscopy in Both Dimensions: Pure Shift NOESY and COSY. Angewandte Chemie - International Edition, 2012, 51, 6460-6463.	7.2	97
83	Particle size measurement of lipoprotein fractions using diffusion-ordered NMR spectroscopy. Analytical and Bioanalytical Chemistry, 2012, 402, 2407-2415.	1.9	27
84	Measuring Screw-Sense Preference in a Helical Oligomer by Comparison of ¹³C NMR Signal Separation at Slow and Fast Exchange. Journal of the American Chemical Society, 2011, 133, 3712-3715.	6.6	74
85	Local Covariance Order Diffusion-Ordered Spectroscopy: A Powerful Tool for Mixture Analysis. Journal of the American Chemical Society, 2011, 133, 7640-7643.	6.6	63
86	Simultaneous enhancement of chemical shift dispersion and diffusion resolution in mixture analysis by diffusion-ordered NMR spectroscopy. Chemical Communications, 2011, 47, 7063.	2.2	55
87	Resolving natural product epimer spectra by matrix-assisted DOSY. Organic and Biomolecular Chemistry, 2011, 9, 7062.	1.5	42
88	Simple Proton Spectra from Complex Spin Systems: Pure Shift NMR Spectroscopy Using BIRD. Angewandte Chemie - International Edition, 2011, 50, 9716-9717.	7.2	113
89	J-modulation effects in DOSY experiments and their suppression: The Oneshot45 experiment. Journal of Magnetic Resonance, 2011, 208, 270-278.	1.2	60
90	High resolution 13C DOSY: The DEPTSE experiment. Journal of Magnetic Resonance, 2011, 211, 25-29.	1.2	31

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91	Pure Shift ¹H NMR: A Resolution of the Resolution Problem?. Angewandte Chemie - International Edition, 2010, 49, 3901-3903.	7.2	225
92	A simple flowcell for reaction monitoring by NMR. Magnetic Resonance in Chemistry, 2010, 48, 516-522.	1.1	39
93	Matrixâ€assisted diffusionâ€ordered spectroscopy: mixture resolution by NMR using SDS micelles. Magnetic Resonance in Chemistry, 2010, 48, 550-553.	1.1	71
94	Z-spectroscopy with Alternating-Phase Irradiation. Journal of Magnetic Resonance, 2010, 207, 242-250.	1.2	31
95	The synthesis of 2-oxyalkyl-cyclohex-2-enones, related to the bioactive natural products COTC and antheminone A, which possess anti-tumour properties. Tetrahedron, 2010, 66, 9049-9060.	1.0	16
96	True Chemical Shift Correlation Maps: A TOCSY Experiment with Pure Shifts in Both Dimensions. Journal of the American Chemical Society, 2010, 132, 12770-12772.	6.6	107
97	NMR Data Processing*. , 2010, , 1800-1808.		1
98	Probing the Anions Mediated Associative Behavior of Tin-12 Oxo-Macrocations by Pulsed Field Gradient NMR Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 16087-16091.	1.5	22
99	Reaction Kinetics Studied Using Diffusion-Ordered Spectroscopy and Multiway Chemometrics. Analytical Chemistry, 2010, 82, 2102-2108.	3.2	29
100	Novel Artemisinin and Curcumin Micellar Formulations: Drug Solubility Studies by NMR Spectroscopy. Journal of Pharmaceutical Sciences, 2009, 98, 3666-3675.	1.6	37
101	Constant time gradient HSQCâ€“iDOSY: practical aspects. Magnetic Resonance in Chemistry, 2009, 47, 1081-1085.	1.1	32
102	Quantifying Endâ€toâ€End Conformational Communication of Chirality through an Achiral Peptide Chain. Angewandte Chemie - International Edition, 2009, 48, 5962-5965.	7.2	101
103	Improving the accuracy of pulsed field gradient NMR diffusion experiments: Correction for gradient non-uniformity. Journal of Magnetic Resonance, 2009, 198, 121-131.	1.2	116
104	Isomer Resolution by Micelle-Assisted Diffusion-Ordered Spectroscopy. Analytical Chemistry, 2009, 81, 4548-4550.	3.2	66
105	T₁-Diffusion-Ordered Spectroscopy: Nuclear Magnetic Resonance Mixture Analysis Using Parallel Factor Analysis. Analytical Chemistry, 2009, 81, 8119-8125.	3.2	27
106	Diffusion NMR and trilinear analysis in the study of reaction kinetics. Chemical Communications, 2009, , 1252.	2.2	35
107	The acyl nitroso Dielsâ€“Alder (ANDA) reaction of sorbate derivatives: an X-ray and 15N NMR study with an application to amino-acid synthesis. Organic and Biomolecular Chemistry, 2009, 7, 4531.	1.5	13
108	Speedy Component Resolution: An Improved Tool for Processing Diffusion-Ordered Spectroscopy Data. Analytical Chemistry, 2008, 80, 3777-3782.	3.2	95

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109	Helix Persistence and Breakdown in Oligoureas of Metaphenylenediamine: Apparent Diastereotopicity as a Spectroscopic Marker of Helix Length in Solution. Journal of the American Chemical Society, 2008, 130, 15193-15202.	6.6	75
110	Pure shift proton DOSY: diffusion-ordered 1H spectra without multiplet structure. Chemical Communications, 2007, , 933.	2.2	164
111	Improved DECRA processing of DOSY data: correcting for non-uniform field gradients. Magnetic Resonance in Chemistry, 2007, 45, 656-660.	1.1	22
112	Mechanism for the Degradation of Erythromycin A and Erythromycin A 2â€˜-Ethyl Succinate in Acidic Aqueous Solution. Journal of Physical Chemistry A, 2007, 111, 10098-10104.	1.1	44
113	Residue-specific NH exchange rates studied by NMR diffusion experiments. Journal of Magnetic Resonance, 2007, 187, 97-104.	1.2	48
114	Biexponential Fitting of Diffusion-Ordered NMR Data:â€‰ Practicalities and Limitations. Analytical Chemistry, 2006, 78, 3040-3045.	3.2	105
115	Pediatric Erythromycins:â€‰ a Comparison of the Properties of Erythromycins A and B 2â€˜-Ethyl Succinates. Journal of Medicinal Chemistry, 2006, 49, 6334-6342.	2.9	10
116	Effects of radiation damping on Z-spectra. Journal of Magnetic Resonance, 2006, 183, 203-212.	1.2	24
117	Correction of systematic errors in CORE processing of DOSY data. Magnetic Resonance in Chemistry, 2006, 44, 655-660.	1.1	28
118	Improving pulse sequences for 3D DOSY: Convection compensation. Journal of Magnetic Resonance, 2005, 177, 203-211.	1.2	48
119	Improving pulse sequences for 3D DOSY: COSY-IDOSY. Chemical Communications, 2005, , 1737.	2.2	60
120	Design, Synthesis, and Evaluation of Stable and Taste-Free Erythromycin Proprodrugs. Journal of Medicinal Chemistry, 2005, 48, 3878-3884.	2.9	18
121	NMR measurements of diffusion in concentrated samples: avoiding problems with radiation damping. Analytical and Bioanalytical Chemistry, 2004, 378, 1568-1573.	1.9	23
122	High-Resolution NMR and Diffusion-Ordered Spectroscopy of Port Wine. Journal of Agricultural and Food Chemistry, 2004, 52, 3736-3743.	2.4	114
123	Improving Pulse Sequences for 3D Diffusion-Ordered NMR Spectroscopy:Â 2DJ-IDOSY. Analytical Chemistry, 2004, 76, 5418-5422.	3.2	71
124	2D and 3D DOSY methods for studying mixtures of oligomeric dimethylsiloxanes. Physical Chemistry Chemical Physics, 2004, 6, 3221.	1.3	56
125	Real-Time Chemical-Shift Scaling in High-Resolution NMR Spectroscopy. Angewandte Chemie, 2003, 115, 847-849.	1.6	1
126	Real-Time Chemical-Shift Scaling in High-Resolution NMR Spectroscopy. Angewandte Chemie - International Edition, 2003, 42, 823-825.	7.2	10

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127	Difluorinated analogues of shikimic acid. Tetrahedron, 2003, 59, 4827-4841.	1.0	24
128	Dehydration of Quinate Derivatives: Synthesis of a Difluoromethylene Homologue of Shikimic Acid. Synlett, 2002, 2002, 0358-0360.	1.0	17
129	A Diffusionâ€Ordered NMR Spectroscopy Study of the Solubilization of Artemisinin by Octanoylâ€6â€Oâ€ascorbic Acid Micelles. Journal of Pharmaceutical Sciences, 2002, 91, 2265-2270.	1.6	30
130	A one-shot sequence for high-resolution diffusion-ordered spectroscopy. Magnetic Resonance in Chemistry, 2002, 40, S147-S152.	1.1	230
131	Guest editor's foreword: NMR and diffusion. Magnetic Resonance in Chemistry, 2002, 40, S2-S2.	1.1	6
132	A New Method for Variable Temperature Gradient Shimming. Journal of Magnetic Resonance, 2002, 154, 325-328.	1.2	7
133	Stereodynamics of Bond Rotation in Tertiary Aromatic Amides. Chemistry - A European Journal, 2002, 8, 1279.	1.7	3
134	A novel NMR method for screening soluble compound libraries. Chemical Communications, 2001, , 239-240.	2.2	35
135	BINDING OF A PORPHYRIN CONJUGATE OF HOECHST 33258 TO DNA. II. NMR SPECTROSCOPIC STUDIES DETECT MULTIPLE BINDING MODES TO A 12-MER NONSELF-COMPLEMENTARY DUPLEX DNA. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 145-156.	0.4	1
136	Silicon-29 diffusion-ordered NMR spectroscopy (DOSY) as a tool for studying aqueous silicates. Chemical Communications, 2001, , 2422-2423.	2.2	20
137	Analyzing and Correcting Spectrometer Temperature Sensitivity. Journal of Magnetic Resonance, 2001, 152, 234-246.	1.2	16
138	One-Dimensional DOSY. Journal of Magnetic Resonance, 2001, 153, 103-112.	1.2	84
139	In Vivo Oxo Transfer: Reactions of Native and W-Substituted Dimethyl Sulfoxide Reductase Monitored by 1H NMR Spectroscopy. ChemBioChem, 2001, 2, 703-706.	1.3	9
140	Acid-Catalyzed Degradation of Clarithromycin and Erythromycin B:â€‰ A Comparative Study Using NMR Spectroscopy. Journal of Medicinal Chemistry, 2000, 43, 467-474.	2.9	47
141	Cross-Correlated Quadrupolar Spin Relaxation and Carbon-13 Lineshapes in the 13CD2 Spin Grouping. Journal of Magnetic Resonance, 1999, 140, 1-8.	1.2	13
142	Randomized Acquisition for the Suppression of Systematic F1 Artifacts in Two-Dimensional NMR Spectroscopy. Journal of Magnetic Resonance, 1999, 140, 513-515.	1.2	14
143	Refined High-Field NMR Solution Structure of a Binary-Addressed Pyrene/Perfluoro-Azide Complementary DNA Oligonucleotide System Shows Extensive Distortion in the Central Nick Region. Journal of Biomolecular Structure and Dynamics, 1999, 17, 193-211.	2.0	10
144	NMR Data Processing. , 1999, , 1514-1521.		0

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145	A Three-Dimensional DOSYâ€“HMQC Experiment for the High-Resolution Analysis of Complex Mixtures. Journal of Magnetic Resonance, 1998, 131, 131-138.	1.2	115
146	Automated Shimming with Normal Spectrometer Hardware: 3D Profile Edge Shimming. Journal of Magnetic Resonance, 1998, 133, 210-215.	1.2	6
147	Pulse sequences for high-resolution diffusion-ordered spectroscopy (HR-DOSY). Magnetic Resonance in Chemistry, 1998, 36, 706-714.	1.1	177
148	Dependence of the 1H NMR chemical shifts of ring F resonances on the orientation of the 27-methyl group of spirostane-type steroidal sapogenins. Phytochemistry, 1998, 47, 255-257.	1.4	31
149	Chapter 14 Reference deconvolution. Analytical Spectroscopy Library, 1997, 8, 303-316.	0.1	3
150	Chapter 4 The selective reverse INEPT experiment. Analytical Spectroscopy Library, 1997, 8, 91-105.	0.1	0
151	Contrast-modified gradient echo imaging using rotary echo preparatory pulses. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1997, 5, 193-200.	1.1	0
152	Reference deconvolution methods. Progress in Nuclear Magnetic Resonance Spectroscopy, 1997, 31, 197-257.	3.9	160
153	Complete Assignment of the1H and13C NMR Spectra of Steroidal Sapogenins: Smilagenin and Sarsasapogenin. Magnetic Resonance in Chemistry, 1997, 35, 441-446.	1.1	31
154	P-Type gradient-enhanced COSY experiments show lowert1 noise than N-type. Magnetic Resonance in Chemistry, 1997, 35, 680-686.	1.1	7
155	The Spatial Dependence of Spin-Echo Signals. Journal of Magnetic Resonance, 1997, 124, 291-297.	1.2	1
156	A Practical Method for Automated Shimming with Normal Spectrometer Hardware. Journal of Magnetic Resonance, 1997, 125, 197-201.	1.2	35
157	Chapter 16 Reference deconvolution in NMR. Data Handling in Science and Technology, 1996, , 346-361.	3.1	4
158	Adaptation of Commercial 500 MHz Probes for LCNMR. Journal of Magnetic Resonance Series A, 1996, 119, 115-119.	1.6	10
159	Combined Use of Gradient-Enhanced Techniques and Reference Deconvolution for Ultralowt1Noise in 2D NMR Spectroscopy. Journal of Magnetic Resonance Series A, 1996, 123, 246-252.	1.6	18
160	Off-resonance binomial composite pulses in 2D and 3D fat/water imaging at 0.5 T. British Journal of Radiology, 1995, 68, 134-140.	1.0	6
161	Reference Deconvolution Using Multiplet Reference Signals. Journal of Magnetic Resonance Series A, 1995, 116, 206-214.	1.6	21
162	The Behavior of Multiplet Signals under â€œRadiation Dampingâ€•Conditions. I. Classical Effects. Journal of Magnetic Resonance Series A, 1995, 117, 109-112.	1.6	29

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163	High-Resolution Diffusion-Ordered 2D Spectroscopy (HR-DOSY) - A New Tool for the Analysis of Complex Mixtures. Journal of Magnetic Resonance Series B, 1995, 108, 170-172.	1.6	207
164	Structure elucidation and proton and carbon-13 assignment of a pentasaccharide glycoside fromAgave americana. Magnetic Resonance in Chemistry, 1994, 32, 213-219.	1.1	9
165	General Analytical Solutions of the Bloch Equations. Journal of Magnetic Resonance Series A, 1994, 107, 236-238.	1.6	30
166	Suppression of t1 Noise in 2D NMR Spectroscopy by Reference Deconvolution. Journal of Magnetic Resonance Series A, 1993, 101, 351-356.	1.6	40
167	Multiple spin echoes in a high-resolution spectrometer. Journal of Magnetic Resonance, 1992, 98, 115-122.	0.5	8
168	A spatial editing of NMR spectra by use of heteronuclear multiple spin echoes. Journal of Magnetic Resonance, 1992, 97, 218-221.	0.5	1
169	Systematic sources of signal irreproducibility and t1 noise in high-field NMR spectrometers. Journal of Magnetic Resonance, 1992, 100, 316-328.	0.5	11
170	High-resolution proton-detected 2D HEHAHA correlation experiments with spin-echo discrimination of long-range correlations. Magnetic Resonance in Chemistry, 1992, 30, 662-665.	1.1	8
171	Hoechst 33258 and its complex with the oligonucleotide d(CGCGAATTCGCG)2:1H NMR assignments and dynamics. Magnetic Resonance in Chemistry, 1992, 30, 1064-1069.	1.1	20
172	Identification andab initio carbon-13 NMR assignment of a proanthocyanidin fromPrunus jacquemontii. Magnetic Resonance in Chemistry, 1992, 30, S142-S147.	1.1	13
173	Direct Observation of the Magnetization Exchange Dynamics Responsible for Magnetization Transfer Contrast in Human Cartilagein Vitro. Magnetic Resonance in Medicine, 1992, 28, 97-104.	1.9	35
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