

Gareth A Morris

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

252
papers

10,023
citations

48
h-index

91
g-index

279
ext. papers

10,755
ext. citations

5.5
avg, IF

6.2
L-index

#	Paper	IF	Citations
252	Signal-to-noise ratio in diffusion-ordered spectroscopy: how good is good enough?. <i>Magnetic Resonance</i> , 2021 , 2, 733-739	2.9	1
251	Single-Scan Selective Excitation of Individual NMR Signals in Overlapping Multiplets. <i>Angewandte Chemie</i> , 2021 , 133, 676-679	3.6	2
250	Enhanced liquid phase exfoliation of graphene in water using an insoluble bis-pyrene stabiliser. <i>Faraday Discussions</i> , 2021 , 227, 46-60	3.6	6
249	Single-Scan Selective Excitation of Individual NMR Signals in Overlapping Multiplets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 666-669	16.4	7
248	Single-scan ultra-selective 1D total correlation spectroscopy. <i>Chemical Communications</i> , 2021 , 57, 2368-2371	3.7	2
247	Broadband measurement of true transverse relaxation rates in systems with coupled protons: application to the study of conformational exchange. <i>Chemical Science</i> , 2021 , 12, 11538-11547	9.4	3
246	Improving the Sensitivity of FESTA Methods for the Analysis of Fluorinated Mixtures. <i>Analytical Chemistry</i> , 2020 , 92, 2224-2228	7.8	4
245	Dissect and Divide: Putting NMR Spectra of Mixtures under the Knife. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5766-5771	16.4	13
244	Improved ultra-broadband chirp excitation. <i>Journal of Magnetic Resonance</i> , 2019 , 302, 28-33	3	10
243	Sharpening Up Your Spectra: Broadband Homonuclear Decoupling in HSQC by Real-Time Pure Shift Acquisition. <i>Synlett</i> , 2019 , 30, 1015-1025	2.2	3
242	Varian Associates and the birth of commercial NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2019 , 306, 12-16	3	2
241	Diffusional attenuation during soft pulses: A Zangger-Sterk pure shift iDOSY experiment. <i>Journal of Magnetic Resonance</i> , 2019 , 301, 85-93	3	4
240	Improving the Interpretation of Small Molecule Diffusion Coefficients. <i>Analytical Chemistry</i> , 2018 , 90, 3987-3994	7.8	63
239	The GNAT: A new tool for processing NMR data. <i>Magnetic Resonance in Chemistry</i> , 2018 , 56, 546-558	2.1	38
238	Practical aspects of real-time pure shift HSQC experiments. <i>Magnetic Resonance in Chemistry</i> , 2018 , 56, 993-1005	2.1	13
237	FESTA: An Efficient Nuclear Magnetic Resonance Approach for the Structural Analysis of Mixtures Containing Fluorinated Species. <i>Analytical Chemistry</i> , 2018 , 90, 5445-5450	7.8	10
236	PSYCHE Pure Shift NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2018 , 24, 13988-14000	4.8	36

235	Suppression of C satellites in H DOSY spectra. <i>Journal of Magnetic Resonance</i> , 2018 , 295, 6-11	3	
234	Frontispiece: PSYCHE Pure Shift NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2018 , 24,	4.8	1
233	Unexploited Dimension: New Software for Mixture Analysis by 3D Diffusion-Ordered NMR Spectroscopy. <i>Analytical Chemistry</i> , 2018 , 90, 13695-13701	7.8	9
232	Semi-real-time acquisition for fast pure shift NMR at maximum resolution. <i>Journal of Magnetic Resonance</i> , 2018 , 293, 19-27	3	11
231	Anatomising proton NMR spectra with pure shift 2D J-spectroscopy: A cautionary tale. <i>Chemical Physics Letters</i> , 2017 , 683, 398-403	2.5	19
230	Matrix-assisted diffusion-ordered NMR spectroscopy with an invisible matrix: a vanishing surfactant. <i>RSC Advances</i> , 2017 , 7, 449-452	3.7	11
229	Guanosine-5'-Monophosphate Polyamine Hybrid Hydrogels: Enhanced Gel Strength Probed by z-Spectroscopy. <i>Chemistry - A European Journal</i> , 2017 , 23, 7755-7760	4.8	8
228	Matrix-assisted diffusion-ordered NMR spectroscopy with an invisible, tuneable matrix. <i>RSC Advances</i> , 2017 , 7, 10757-10762	3.7	2
227	Relaxation-encoded NMR experiments for mixture analysis: REST and beer. <i>Chemical Communications</i> , 2017 , 53, 7461-7464	5.8	17
226	C Satellite-Free H NMR Spectra. <i>Analytical Chemistry</i> , 2017 , 89, 11898-11901	7.8	9
225	Ultraclean pure shift NMR. <i>Chemical Communications</i> , 2017 , 53, 10188-10191	5.8	34
224	¹ H and ¹⁹ F NMR in drug stress testing: the case of voriconazole. <i>RSC Advances</i> , 2017 , 7, 34000-34004	3.7	5
223	F NMR matrix-assisted DOSY: a versatile tool for differentiating fluorinated species in mixtures. <i>Magnetic Resonance in Chemistry</i> , 2017 , 55, 323-328	2.1	10
222	Extraction of distance restraints from pure shift NOE experiments. <i>Journal of Magnetic Resonance</i> , 2016 , 271, 99-109	3	11
221	Matrix-assisted diffusion-ordered spectroscopy: choosing a matrix. <i>Magnetic Resonance in Chemistry</i> , 2016 , 54, 815-820	2.1	13
220	Ultrahigh-Resolution Diffusion-Ordered Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15579-15582	16.4	44
219	Enhancement of the properties of a drug by mono-deuteration: reduction of acid-catalysed formation of a gut-motilide enol ether from 8-deuterio-erythromycin B. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6289-96	3.9	6
218	Improving accuracy in DOSY and diffusion measurements using triaxial field gradients. <i>Journal of Magnetic Resonance</i> , 2016 , 270, 24-30	3	20

217	Increasing the quantitative bandwidth of NMR measurements. <i>Chemical Communications</i> , 2016 , 52, 2916-2918	5.8	34
216	Clearing the undergrowth: detection and quantification of low level impurities using F NMR. <i>Chemical Communications</i> , 2016 , 53, 123-125	5.8	5
215	Ultrahigh-Resolution Diffusion-Ordered Spectroscopy. <i>Angewandte Chemie</i> , 2016 , 128, 15808-15811	3.6	9
214	A General Method for Extracting Individual Coupling Constants from Crowded ¹ H NMR Spectra. <i>Angewandte Chemie</i> , 2016 , 128, 1102-1105	3.6	12
213	Very broadband diffusion-ordered NMR spectroscopy: (19)F DOSY. <i>Chemical Communications</i> , 2016 , 52, 6892-4	5.8	20
212	A General Method for Extracting Individual Coupling Constants from Crowded (1)H NMR Spectra. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1090-3	16.4	59
211	Real-time broadband proton-homodecoupled CLIP/CLAP-HSQC for automated measurement of heteronuclear one-bond coupling constants. <i>RSC Advances</i> , 2016 , 6, 87848-87855	3.7	15
210	Convection in liquid-state NMR: expect the unexpected. <i>RSC Advances</i> , 2016 , 6, 95173-95176	3.7	32
209	A new tool for NMR analysis of complex systems: selective pure shift TOCSY. <i>RSC Advances</i> , 2016 , 6, 100063-100066	3.7	100
208	Minimising research bottlenecks by decluttering NMR spectra. <i>Chemistry - A European Journal</i> , 2015 , 21, 6623-30	4.8	22
207	Real-time pure shift 2D HSQC of proteins: a real improvement in resolution and sensitivity. <i>Journal of Biomolecular NMR</i> , 2015 , 62, 43-52	3	25
206	Conformational Switching of a Foldamer in a Multicomponent System by pH-Filtered Selection between Competing Noncovalent Interactions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6680-91	16.4	44
205	Measuring couplings in crowded NMR spectra: pure shift NMR with multiplet analysis. <i>Chemical Communications</i> , 2015 , 51, 15410-3	5.8	67
204	The Varian story. <i>Journal of Magnetic Resonance</i> , 2015 , 250, 80-84	3	5
203	Ultra-high dispersion NMR reveals new levels of detail. <i>RSC Advances</i> , 2015 , 5, 52902-52906	3.7	4
202	Flaws in foldamers: conformational uniformity and signal decay in achiral helical peptide oligomers. <i>Chemical Science</i> , 2015 , 6, 2313-2322	9.4	32
201	Sample convection in liquid-state NMR: why it is always with us, and what we can do about it. <i>Journal of Magnetic Resonance</i> , 2015 , 252, 120-9	3	64
200	Homoleptic Trigonal Planar Lanthanide Complexes Stabilized by Superbulky Silylamide Ligands. <i>Organometallics</i> , 2015 , 34, 2314-2325	3.8	34

199	Precise measurement of long-range heteronuclear coupling constants by a novel broadband proton-proton-decoupled CPMG-HSQMBC method. <i>Chemistry - A European Journal</i> , 2015 , 21, 3472-9	4.8	15
198	¹⁹ F DOSY NMR analysis for spin systems with nJFF couplings. <i>Magnetic Resonance in Chemistry</i> , 2014 , 52, 172-7	2.1	24
197	Ultrahigh-resolution NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6990-2	16.4	201
196	Suppressing exchange effects in diffusion-ordered NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2014 , 238, 16-9	3	29
195	"Perfecting" pure shift HSQC: full homodecoupling for accurate and precise determination of heteronuclear couplings. <i>Chemical Communications</i> , 2014 , 50, 15702-5	5.8	44
194	Diastereomeric ratio determination by high sensitivity band-selective pure shift NMR spectroscopy. <i>Chemical Communications</i> , 2014 , 50, 2512-4	5.8	60
193	Natural product mixture analysis by matrix-assisted DOSY using Brij surfactants in mixed solvents. <i>RSC Advances</i> , 2014 , 4, 42029-42034	3.7	12
192	Systematic comparison of sets of (¹³ C NMR spectra that are potentially identical. Confirmation of the configuration of a cuticular hydrocarbon from the cane beetle <i>Antitrogus parvulus</i> . <i>Journal of Organic Chemistry</i> , 2014 , 79, 7477-90	4.2	16
191	Pure shift ¹ H NMR, a robust method for revealing heteronuclear couplings in complex spectra. <i>RSC Advances</i> , 2014 , 4, 8278-8282	3.7	16
190	Foldamer-mediated remote stereocontrol: >1,60 asymmetric induction. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 151-5	16.4	87
189	Ultrahigh-resolution total correlation NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11867-9	16.4	96
188	Accurate determination of one-bond heteronuclear coupling constants with "pure shift" broadband proton-decoupled CLIP/CLAP-HSQC experiments. <i>Journal of Magnetic Resonance</i> , 2014 , 239, 130-8	3	46
187	Cleaning up NMR spectra with reference deconvolution for improving multivariate analysis of complex mixture spectra. <i>Journal of Chemometrics</i> , 2014 , 28, 656-662	1.6	17
186	Foldamer-Mediated Remote Stereocontrol: >1,60 Asymmetric Induction. <i>Angewandte Chemie</i> , 2014 , 126, 155-159	3.6	27
185	Ultrahigh-Resolution NMR Spectroscopy. <i>Angewandte Chemie</i> , 2014 , 126, 7110-7112	3.6	34
184	Resolving complex mixtures: trilinear diffusion data. <i>Journal of Biomolecular NMR</i> , 2014 , 58, 251-7	3	13
183	Simultaneously enhancing spectral resolution and sensitivity in heteronuclear correlation NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11616-9	16.4	141
182	Filter diagonalization method for processing PFG NMR data. <i>Journal of Magnetic Resonance</i> , 2013 , 234, 125-34	3	19

181	Unmixing the NMR spectra of similar species - vive la difference. <i>Chemical Communications</i> , 2013 , 49, 10510-2	5.8	35
180	"Perfecting" WATERGATE: clean proton NMR spectra from aqueous solution. <i>Chemical Communications</i> , 2013 , 49, 358-60	5.8	79
179	Quantitative interpretation of diffusion-ordered NMR spectra: can we rationalize small molecule diffusion coefficients?. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3199-202	16.4	140
178	Left-handed helical preference in an achiral peptide chain is induced by an L-amino acid in an N-terminal type II turn. <i>Journal of Organic Chemistry</i> , 2013 , 78, 2248-55	4.2	35
177	Simultaneously Enhancing Spectral Resolution and Sensitivity in Heteronuclear Correlation NMR Spectroscopy. <i>Angewandte Chemie</i> , 2013 , 125, 11830-11833	3.6	24
176	Quantitative Interpretation of Diffusion-Ordered NMR Spectra: Can We Rationalize Small Molecule Diffusion Coefficients?. <i>Angewandte Chemie</i> , 2013 , 125, 3281-3284	3.6	29
175	Detection of potential TNA and RNA nucleoside precursors in a prebiotic mixture by pure shift diffusion-ordered NMR spectroscopy. <i>Chemistry - A European Journal</i> , 2013 , 19, 4586-95	4.8	27
174	Particle size measurement of lipoprotein fractions using diffusion-ordered NMR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 2407-15	4.4	23
173	Is nevirapine atropisomeric? Experimental and computational evidence for rapid conformational inversion. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 716-9	3.9	16
172	Total synthesis of a cuticular hydrocarbon from the cane beetle <i>Antitrogonus parvulus</i> : confirmation of the relative stereochemistry. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 1743-5	3.9	12
171	Spin echo NMR spectra without J modulation. <i>Chemical Communications</i> , 2012 , 48, 811-3	5.8	175
170	Flavonoid mixture analysis by matrix-assisted diffusion-ordered spectroscopy. <i>Journal of Natural Products</i> , 2012 , 75, 131-4	4.9	36
169	Matrix-assisted diffusion-ordered spectroscopy: application of surfactant solutions to the resolution of isomer spectra. <i>Magnetic Resonance in Chemistry</i> , 2012 , 50, 458-65	2.1	18
168	Decoupling Two-Dimensional NMR Spectroscopy in Both Dimensions: Pure Shift NOESY and COSY. <i>Angewandte Chemie</i> , 2012 , 124, 6566-6569	3.6	23
167	Decoupling two-dimensional NMR spectroscopy in both dimensions: pure shift NOESY and COSY. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6460-3	16.4	90
166	Local covariance order diffusion-ordered spectroscopy: a powerful tool for mixture analysis. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7640-3	16.4	59
165	Simultaneous enhancement of chemical shift dispersion and diffusion resolution in mixture analysis by diffusion-ordered NMR spectroscopy. <i>Chemical Communications</i> , 2011 , 47, 7063-4	5.8	52
164	Multidimensional NMR: an Introduction 2011 ,		1

163	Resolving natural product epimer spectra by matrix-assisted DOSY. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7062-4	3.9	40
162	Simple Proton Spectra from Complex Spin Systems: Pure Shift NMR Spectroscopy Using BIRD. <i>Angewandte Chemie</i> , 2011 , 123, 9890-9891	3.6	38
161	Simple proton spectra from complex spin systems: pure shift NMR spectroscopy using BIRD. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9716-7	16.4	101
160	Measuring screw-sense preference in a helical oligomer by comparison of ¹³ C NMR signal separation at slow and fast exchange. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3712-5	16.4	67
159	J-modulation effects in DOSY experiments and their suppression: the Oneshot45 experiment. <i>Journal of Magnetic Resonance</i> , 2011 , 208, 270-8	3	54
158	High resolution ¹³ C DOSY: the DEPTSE experiment. <i>Journal of Magnetic Resonance</i> , 2011 , 211, 25-9	3	30
157	True chemical shift correlation maps: a TOCSY experiment with pure shifts in both dimensions. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12770-2	16.4	98
156	NMR Data Processing* 2010 , 1800-1808		1
155	Probing the Anions Mediated Associative Behavior of Tin-12 Oxo-Macrocations by Pulsed Field Gradient NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16087-16091	3.8	20
154	Reaction kinetics studied using diffusion-ordered spectroscopy and multiway chemometrics. <i>Analytical Chemistry</i> , 2010 , 82, 2102-8	7.8	28
153	Pure shift ¹ H NMR: a resolution of the resolution problem?. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3901-3	16.4	208
152	A simple flowcell for reaction monitoring by NMR. <i>Magnetic Resonance in Chemistry</i> , 2010 , 48, 516-22	2.1	32
151	Matrix-assisted diffusion-ordered spectroscopy: mixture resolution by NMR using SDS micelles. <i>Magnetic Resonance in Chemistry</i> , 2010 , 48, 550-3	2.1	69
150	Z-spectroscopy with Alternating-Phase Irradiation. <i>Journal of Magnetic Resonance</i> , 2010 , 207, 242-50	3	28
149	The synthesis of 2-oxoalkyl-cyclohex-2-enones, related to the bioactive natural products COTC and antheminone A, which possess anti-tumour properties. <i>Tetrahedron</i> , 2010 , 66, 9049-9060	2.4	14
148	Novel artemisinin and curcumin micellar formulations: drug solubility studies by NMR spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 3666-75	3.9	32
147	Constant time gradient HSQC-iDOSY: practical aspects. <i>Magnetic Resonance in Chemistry</i> , 2009 , 47, 1081-5	2.1	26
146	Quantifying end-to-end conformational communication of chirality through an achiral peptide chain. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5962-5	16.4	92

145	Improving the accuracy of pulsed field gradient NMR diffusion experiments: Correction for gradient non-uniformity. <i>Journal of Magnetic Resonance</i> , 2009 , 198, 121-31	3	105
144	Isomer resolution by micelle-assisted diffusion-ordered spectroscopy. <i>Analytical Chemistry</i> , 2009 , 81, 4548-50	7.8	63
143	Diffusion-Ordered Spectroscopy 2009 ,		19
142	T1-diffusion-ordered spectroscopy: nuclear magnetic resonance mixture analysis using parallel factor analysis. <i>Analytical Chemistry</i> , 2009 , 81, 8119-25	7.8	25
141	Diffusion NMR and trilinear analysis in the study of reaction kinetics. <i>Chemical Communications</i> , 2009 , 1252-4	5.8	33
140	The acyl nitroso Diels-Alder (ANDA) reaction of sorbate derivatives: an X-ray and ¹⁵ N NMR study with an application to amino-acid synthesis. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 4531-8	3.9	13
139	Two-Dimensional J -Resolved Spectroscopy 2009 ,		3
138	Speedy component resolution: an improved tool for processing diffusion-ordered spectroscopy data. <i>Analytical Chemistry</i> , 2008 , 80, 3777-82	7.8	83
137	Helix persistence and breakdown in oligoureas of metaphenylenediamine: apparent diastereotopicity as a spectroscopic marker of helix length in solution. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15193-202	16.4	74
136	Pure shift proton DOSY: diffusion-ordered ¹ H spectra without multiplet structure. <i>Chemical Communications</i> , 2007 , 933-5	5.8	150
135	Improved DECRA processing of DOSY data: correcting for non-uniform field gradients. <i>Magnetic Resonance in Chemistry</i> , 2007 , 45, 656-60	2.1	19
134	Mechanism for the degradation of erythromycin A and erythromycin A 2'-ethyl succinate in acidic aqueous solution. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 10098-104	2.8	34
133	Residue-specific NH exchange rates studied by NMR diffusion experiments. <i>Journal of Magnetic Resonance</i> , 2007 , 187, 97-104	3	42
132	Diffusion-Ordered Spectroscopy (DOSY) 2007 ,		6
131	Reference Deconvolution 2007 ,		6
130	Correction of systematic errors in CORE processing of DOSY data. <i>Magnetic Resonance in Chemistry</i> , 2006 , 44, 655-60	2.1	28
129	Biexponential fitting of diffusion-ordered NMR data: practicalities and limitations. <i>Analytical Chemistry</i> , 2006 , 78, 3040-5	7.8	97
128	Pediatric erythromycins: a comparison of the properties of erythromycins A and B 2'-ethyl succinates. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 6334-42	8.3	9

127	Effects of radiation damping on Z-spectra. <i>Journal of Magnetic Resonance</i> , 2006 , 183, 203-12	3	18
126	Improving pulse sequences for 3D DOSY: COSY-IDOSY. <i>Chemical Communications</i> , 2005 , 1737-9	5.8	54
125	Design, synthesis, and evaluation of stable and taste-free erythromycin prodrugs. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 3878-84	8.3	16
124	Improving pulse sequences for 3D DOSY: convection compensation. <i>Journal of Magnetic Resonance</i> , 2005 , 177, 203-11	3	39
123	NMR measurements of diffusion in concentrated samples: avoiding problems with radiation damping. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 1568-73	4.4	23
122	High-resolution NMR and diffusion-ordered spectroscopy of port wine. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 3736-43	5.7	101
121	Improving pulse sequences for 3D diffusion-ordered NMR spectroscopy: 2DJ-IDOSY. <i>Analytical Chemistry</i> , 2004 , 76, 5418-22	7.8	63
120	2D and 3D DOSY methods for studying mixtures of oligomeric dimethylsiloxanes. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 3221	3.6	52
119	Real-Time Chemical-Shift Scaling in High-Resolution NMR Spectroscopy. <i>Angewandte Chemie</i> , 2003 , 115, 847-849	3.6	1
118	Real-time chemical-shift scaling in high-resolution NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 823-5	16.4	10
117	Difluorinated analogues of shikimic acid. <i>Tetrahedron</i> , 2003 , 59, 4827-4841	2.4	17
116	A diffusion-ordered NMR spectroscopy study of the solubilization of artemisinin by octanoyl-6-O-ascorbic acid micelles. <i>Journal of Pharmaceutical Sciences</i> , 2002 , 91, 2265-70	3.9	29
115	A one-shot sequence for high-resolution diffusion-ordered spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2002 , 40, S147-S152	2.1	207
114	A new method for variable temperature gradient shimming. <i>Journal of Magnetic Resonance</i> , 2002 , 154, 325-8	3	4
113	Dehydration of Quinate Derivatives: Synthesis of a Difluoromethylene Homologue of Shikimic Acid. <i>Synlett</i> , 2002 , 2002, 0358-0360	2.2	14
112	Stereodynamics of Bond Rotation in Tertiary Aromatic Amides 2002 , 8, 1279		3
111	Analyzing and correcting spectrometer temperature sensitivity. <i>Journal of Magnetic Resonance</i> , 2001 , 152, 234-46	3	15
110	One-dimensional DOSY. <i>Journal of Magnetic Resonance</i> , 2001 , 153, 103-12	3	74

109	In vivo oxo transfer: reactions of native and W-substituted dimethyl sulfoxide reductase monitored by (1)H NMR spectroscopy. <i>ChemBioChem</i> , 2001 , 2, 703-6	3.8	8
108	A novel NMR method for screening soluble compound libraries. <i>Chemical Communications</i> , 2001 , 239-240	3.8	33
107	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. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001 , 20, 145-56	1.4	0
106	Silicon-29 diffusion-ordered NMR spectroscopy (DOSY) as a tool for studying aqueous silicates. <i>Chemical Communications</i> , 2001 , 2422-3	5.8	16
105	Acid-catalyzed degradation of clarithromycin and erythromycin B: a comparative study using NMR spectroscopy. <i>Journal of Medicinal Chemistry</i> , 2000 , 43, 467-74	8.3	41
104	Cross-correlated quadrupolar spin relaxation and carbon-13 lineshapes in the (13)CD(2) spin grouping. <i>Journal of Magnetic Resonance</i> , 1999 , 140, 1-8	3	13
103	Randomized acquisition for the suppression of systematic F1 artifacts in two-dimensional NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 1999 , 140, 513-5	3	12
102	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. <i>Journal of Biomolecular Structure and Dynamics</i> , 1999 , 17, 193-211	3.6	10
101	NMR Data Processing 1999 , 1514-1521		
100	A three-dimensional DOSY-HMQC experiment for the high-resolution analysis of complex mixtures. <i>Journal of Magnetic Resonance</i> , 1998 , 131, 131-8	3	105
99	Automated shimming with normal spectrometer hardware: 3D profile edge shimming. <i>Journal of Magnetic Resonance</i> , 1998 , 133, 210-5	3	4
98	Pulse sequences for high-resolution diffusion-ordered spectroscopy (HR-DOSY). <i>Magnetic Resonance in Chemistry</i> , 1998 , 36, 706-714	2.1	165
97	Dependence of the 1H NMR chemical shifts of ring F resonances on the orientation of the 27-methyl group of spirostane-type steroidal sapogenins. <i>Phytochemistry</i> , 1998 , 47, 255-7	4	25
96	Chapter 14 Reference deconvolution. <i>Analytical Spectroscopy Library</i> , 1997 , 8, 303-316		2
95	Chapter 4 The selective reverse INEPT experiment. <i>Analytical Spectroscopy Library</i> , 1997 , 8, 91-105		
94	Contrast-modified gradient echo imaging using rotary echo preparatory pulses. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1997 , 5, 193-200	2.8	
93	Reference deconvolution methods. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1997 , 31, 197-257	14.6	
92	Complete Assignment of the 1H and 13C NMR Spectra of Steroidal Sapogenins: Smilagenin and Sarsasapogenin. <i>Magnetic Resonance in Chemistry</i> , 1997 , 35, 441-446	2.1	26

91	P-Type gradient-enhanced COSY experiments show lower t_1 noise than N-type. <i>Magnetic Resonance in Chemistry</i> , 1997 , 35, 680-686	2.1	7
90	The spatial dependence of spin-echo signals. <i>Journal of Magnetic Resonance</i> , 1997 , 124, 291-7	3	1
89	A Practical Method for Automated Shimming with Normal Spectrometer Hardware. <i>Journal of Magnetic Resonance</i> , 1997 , 125, 197-201	3	30
88	Chapter 16 Reference deconvolution in NMR. <i>Data Handling in Science and Technology</i> , 1996 , 346-361	2.7	3
87	Adaptation of Commercial 500 MHz Probes for LCNMR. <i>Journal of Magnetic Resonance Series A</i> , 1996 , 119, 115-119		7
86	Combined Use of Gradient-Enhanced Techniques and Reference Deconvolution for Ultralow t_1 Noise in 2D NMR Spectroscopy. <i>Journal of Magnetic Resonance Series A</i> , 1996 , 123, 246-252		15
85	Off-resonance binomial composite pulses in 2D and 3D fat/water imaging at 0.5 T. <i>British Journal of Radiology</i> , 1995 , 68, 134-40	3.4	6
84	Reference Deconvolution Using Multiplet Reference Signals. <i>Journal of Magnetic Resonance Series A</i> , 1995 , 116, 206-214		19
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