

# 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  | Enhancement of nuclear magnetic resonance signals by polarization transfer. Journal of the American Chemical Society, 1979, 101, 760-762.  | 6.6 | 1,902     |
| 2  | An improved method for heteronuclear chemical shift correlation by two-dimensional NMR. Journal of Magnetic Resonance, 1981, 42, 501-505.  | 0.5 | 437       |
| 3  | Sensitivity enhancement in nitrogen-15 NMR: polarization transfer using the INEPT pulse sequence. Journal of the American Chemical Society, 1980, 102, 428-429.                          | 6.6 | 355       |
| 4  | Ultrahigh-Resolution NMR Spectroscopy. Angewandte Chemie - International Edition, 2014, 53, 6990-6992.   | 7.2 | 254       |
| 5  | Correlation of proton chemical shifts by two-dimensional Fourier transform NMR. Journal of Magnetic Resonance, 1981, 42, 164-168.  | 0.5 | 249       |
| 6  | A one-shot sequence for high-resolution diffusion-ordered spectroscopy. Magnetic Resonance in Chemistry, 2002, 40, S147-S152.  | 1.1 | 230       |
| 7  | Pure Shift <sup>1</sup> H NMR: A Resolution of the Resolution Problem?. Angewandte Chemie - International Edition, 2010, 49, 3901-3903.  | 7.2 | 225       |
| 8  | Spin echo NMR spectra without J modulation. Chemical Communications, 2012, 48, 811-813.  | 2.2 | 218       |
| 9  | 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       |
| 10 | Selective excitation in Fourier transform nuclear magnetic resonance. Journal of Magnetic Resonance, 1978, 29, 433-462.  | 0.5 | 206       |
| 11 | Quantitative Interpretation of Diffusion-Ordered NMR Spectra: Can We Rationalize Small Molecule Diffusion Coefficients?. Angewandte Chemie - International Edition, 2013, 52, 3199-3202. | 7.2 | 181       |
| 12 | Experimental chemical shift correlation maps in nuclear magnetic resonance spectroscopy. Journal of the Chemical Society Chemical Communications, 1978, , 684.                           | 2.0 | 180       |
| 13 | Pulse sequences for high-resolution diffusion-ordered spectroscopy (HR-DOSY). Magnetic Resonance in Chemistry, 1998, 36, 706-714.  | 1.1 | 177       |
| 14 | Modern NMR techniques for structure elucidation. Magnetic Resonance in Chemistry, 1986, 24, 371-403.   | 1.1 | 172       |
| 15 | Pure shift proton DOSY: diffusion-ordered 1H spectra without multiplet structure. Chemical Communications, 2007, , 933.  | 2.2 | 164       |
| 16 | Reference deconvolution methods. Progress in Nuclear Magnetic Resonance Spectroscopy, 1997, 31, 197-257.   | 3.9 | 160       |
| 17 | Simultaneously Enhancing Spectral Resolution and Sensitivity in Heteronuclear Correlation NMR Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 11616-11619.            | 7.2 | 160       |
| 18 | A simple pulse sequence for selective excitation in Fourier transform NMR. Journal of Magnetic Resonance, 1976, 23, 171-175.   | 0.5 | 149       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Improving the Interpretation of Small Molecule Diffusion Coefficients. <i>Analytical Chemistry</i> , 2018, 90, 3987-3994.  | 3.2 | 129       |
| 20 | Experimental chemical shift correlation maps from heteronuclear two-dimensional NMR spectroscopy. 1. Carbon-13 and proton chemical shifts of raffinose and its subunits. <i>Journal of the American Chemical Society</i> , 1981, 103, 4703-4711. | 6.6 | 121       |
| 21 | Improving the accuracy of pulsed field gradient NMR diffusion experiments: Correction for gradient non-uniformity. <i>Journal of Magnetic Resonance</i> , 2009, 198, 121-131.  | 1.2 | 116       |
| 22 | A Three-Dimensional DOSYâ€“HMQC Experiment for the High-Resolution Analysis of Complex Mixtures. <i>Journal of Magnetic Resonance</i> , 1998, 131, 131-138.  | 1.2 | 115       |
| 23 | â€œPerfectingâ€“WATERGATE: clean proton NMR spectra from aqueous solution. <i>Chemical Communications</i> , 2013, 49, 358-360.   | 2.2 | 115       |
| 24 | High-Resolution NMR and Diffusion-Ordered Spectroscopy of Port Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3736-3743.  | 2.4 | 114       |
| 25 | Ultrahigh-Resolution Total Correlation NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2014, 136, 11867-11869.   | 6.6 | 114       |
| 26 | Simple Proton Spectra from Complex Spin Systems: Pure Shift NMR Spectroscopy Using BIRD. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9716-9717.   | 7.2 | 113       |
| 27 | Foldamerâ€“Mediated Remote Stereocontrol: >1,60 Asymmetric Induction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 151-155.  | 7.2 | 108       |
| 28 | True Chemical Shift Correlation Maps: A TOCSY Experiment with Pure Shifts in Both Dimensions. <i>Journal of the American Chemical Society</i> , 2010, 132, 12770-12772.  | 6.6 | 107       |
| 29 | Biexponential Fitting of Diffusion-Ordered NMR Data:â€‰ Practicalities and Limitations. <i>Analytical Chemistry</i> , 2006, 78, 3040-3045.   | 3.2 | 105       |
| 30 | Quantifying Endâ€“toâ€“End Conformational Communication of Chirality through an Achiral Peptide Chain. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5962-5965.   | 7.2 | 101       |
| 31 | Decoupling Twoâ€“Dimensional NMR Spectroscopy in Both Dimensions: Pure Shift NOESY and COSY. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6460-6463.   | 7.2 | 97        |
| 32 | Speedy Component Resolution: An Improved Tool for Processing Diffusion-Ordered Spectroscopy Data. <i>Analytical Chemistry</i> , 2008, 80, 3777-3782.   | 3.2 | 95        |
| 33 | Measuring couplings in crowded NMR spectra: pure shift NMR with multiplet analysis. <i>Chemical Communications</i> , 2015, 51, 15410-15413.  | 2.2 | 85        |
| 34 | Indirect measurement of proton relaxation rates by â€œINEPTâ€“polarization transfer to carbon-13: Proton spin-lattice relaxation in cholesteryl acetate solutions. <i>Journal of Magnetic Resonance</i> , 1980, 41, 185-188.                     | 0.5 | 84        |
| 35 | One-Dimensional DOSY. <i>Journal of Magnetic Resonance</i> , 2001, 153, 103-112.   | 1.2 | 84        |
| 36 | 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, 120-129.   | 1.2 | 76        |

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|----|--|-----|-----------|
| 37 | 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, 15193-15202. | 6.6 | 75        |
| 38 | Measuring Screw-Sense Preference in a Helical Oligomer by Comparison of <sup>13</sup> C NMR Signal Separation at Slow and Fast Exchange. <i>Journal of the American Chemical Society</i> , 2011, 133, 3712-3715.                   | 6.6 | 74        |
| 39 | Resolution and assignment of the 270-MHz proton spectrum of cellobiose by homo- and heteronuclear two-dimensional NMR. <i>Journal of the American Chemical Society</i> , 1980, 102, 1745-1747.                                     | 6.6 | 72        |
| 40 | Improving Pulse Sequences for 3D Diffusion-Ordered NMR Spectroscopy: A 2DJ-IDOSY. <i>Analytical Chemistry</i> , 2004, 76, 5418-5422.   | 3.2 | 71        |
| 41 | Matrix-assisted diffusion-ordered spectroscopy: mixture resolution by NMR using SDS micelles. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 550-553.  | 1.1 | 71        |
| 42 | A General Method for Extracting Individual Coupling Constants from Crowded <sup>1</sup> H NMR Spectra. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1090-1093.   | 7.2 | 71        |
| 43 | Weak satellite signals in high-resolution NMR spectra: Separating the wheat from the chaff. <i>Journal of Magnetic Resonance</i> , 1981, 42, 341-345.  | 0.5 | 69        |
| 44 | Diastereomeric ratio determination by high sensitivity band-selective pure shift NMR spectroscopy. <i>Chemical Communications</i> , 2014, 50, 2512-2514.   | 2.2 | 67        |
| 45 | Isomer Resolution by Micelle-Assisted Diffusion-Ordered Spectroscopy. <i>Analytical Chemistry</i> , 2009, 81, 4548-4550.   | 3.2 | 66        |
| 46 | Local Covariance Order Diffusion-Ordered Spectroscopy: A Powerful Tool for Mixture Analysis. <i>Journal of the American Chemical Society</i> , 2011, 133, 7640-7643.   | 6.6 | 63        |
| 47 | The GNAT: A new tool for processing NMR data. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 546-558.  | 1.1 | 63        |
| 48 | PSYCHE Pure Shift NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2018, 24, 13988-14000.   | 1.7 | 63        |
| 49 | Improving pulse sequences for 3D DOSY: COSY-IDOSY. <i>Chemical Communications</i> , 2005, , 1737.  | 2.2 | 60        |
| 50 | J-modulation effects in DOSY experiments and their suppression: The Oneshot45 experiment. <i>Journal of Magnetic Resonance</i> , 2011, 208, 270-278.   | 1.2 | 60        |
| 51 | 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, 6680-6691.                     | 6.6 | 60        |
| 52 | Ultrahigh-Resolution Diffusion-Ordered Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15579-15582.   | 7.2 | 59        |
| 53 | A simple method for suppressing dispersion-mode contributions in NMR spectra: The "pseudo echo". <i>Journal of Magnetic Resonance</i> , 1981, 43, 333-338.   | 0.5 | 58        |
| 54 | 2D and 3D DOSY methods for studying mixtures of oligomeric dimethylsiloxanes. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3221.  | 1.3 | 56        |

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|----|---|-----|-----------|
| 55 | Simultaneous enhancement of chemical shift dispersion and diffusion resolution in mixture analysis by diffusion-ordered NMR spectroscopy. <i>Chemical Communications</i> , 2011, 47, 7063.  | 2.2 | 55        |
| 56 | â€œPerfectingâ€•pure shift HSQC: full homodecoupling for accurate and precise determination of heteronuclear couplings. <i>Chemical Communications</i> , 2014, 50, 15702-15705.   | 2.2 | 53        |
| 57 | Accurate determination of one-bond heteronuclear coupling constants with â€œpure shiftâ€•broadband proton-decoupled CLIP/CLAP-HSQC experiments. <i>Journal of Magnetic Resonance</i> , 2014, 239, 130-138.  | 1.2 | 52        |
| 58 | Ultraclean pure shift NMR. <i>Chemical Communications</i> , 2017, 53, 10188-10191.  | 2.2 | 52        |
| 59 | The catalytic resting state of asymmetric homogeneous hydrogenation. Exchange processes delineated by nuclear magnetic resonance saturation-transfer (DANTE) techniques. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1987, , 1583.                | 0.9 | 51        |
| 60 | NMR spectra of some simple spin systems studied by two-dimensional fourier transformation of spin echoes. <i>Journal of Magnetic Resonance</i> , 1978, 31, 75-95.   | 0.5 | 49        |
| 61 | Improving pulse sequences for 3D DOSY: Convection compensation. <i>Journal of Magnetic Resonance</i> , 2005, 177, 203-211.  | 1.2 | 48        |
| 62 | Residue-specific NH exchange rates studied by NMR diffusion experiments. <i>Journal of Magnetic Resonance</i> , 2007, 187, 97-104.  | 1.2 | 48        |
| 63 | Measurement of carbon-13-proton coupling-constants in oligosaccharides by two-dimensional carbon-13 N.M.R. spectroscopy. <i>Carbohydrate Research</i> , 1980, 82, 175-184.  | 1.1 | 47        |
| 64 | Acid-Catalyzed Degradation of Clarithromycin and Erythromycin B:â€‰ A Comparative Study Using NMR Spectroscopy. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 467-474.  | 2.9 | 47        |
| 65 | Homoleptic Trigonal Planar Lanthanide Complexes Stabilized by Superbulky Silylamide Ligands. <i>Organometallics</i> , 2015, 34, 2314-2325.  | 1.1 | 45        |
| 66 | Experimental chemical shift correlation maps from heteronuclear two-dimensional nuclear magnetic resonance spectroscopy. II: Carbon-13 and proton chemical shifts of $\alpha$ -D-glucopyranose oligomers. <i>Canadian Journal of Chemistry</i> , 1982, 60, 2431-2441. | 0.6 | 44        |
| 67 | Mechanism for the Degradation of Erythromycin A and Erythromycin A 2â€•-Ethyl Succinate in Acidic Aqueous Solution. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10098-10104.  | 1.1 | 44        |
| 68 | Increasing the quantitative bandwidth of NMR measurements. <i>Chemical Communications</i> , 2016, 52, 2916-2919.  | 2.2 | 44        |
| 69 | Left-Handed Helical Preference in an Achiral Peptide Chain Is Induced by an $\alpha$ -Amino Acid in an N-Terminal Type II $\beta$ -Turn. <i>Journal of Organic Chemistry</i> , 2013, 78, 2248-2255.   | 1.7 | 43        |
| 70 | Compensation of instrumental imperfections by deconvolution using an internal reference signal. <i>Journal of Magnetic Resonance</i> , 1988, 80, 547-552.   | 0.5 | 42        |
| 71 | Resolving natural product epimer spectra by matrix-assisted DOSY. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7062.  | 1.5 | 42        |
| 72 | Proton-coupled carbon-13 J spectra in the presence of strong coupling. II. <i>Journal of Magnetic Resonance</i> , 1977, 28, 17-28.  | 0.5 | 41        |

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|----|--|-----|-----------|
| 73 | Application of <sup>31</sup> P-NMR saturation transfer techniques to investigate phospholipid motion and organization in model and biological membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980, 598, 206-211. | 1.4 | 41        |
| 74 | Suppression of t1 Noise in 2D NMR Spectroscopy by Reference Deconvolution. <i>Journal of Magnetic Resonance Series A</i> , 1993, 101, 351-356.   | 1.6 | 40        |
| 75 | A simple flowcell for reaction monitoring by NMR. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 516-522.  | 1.1 | 39        |
| 76 | Flavonoid Mixture Analysis by Matrix-Assisted Diffusion-Ordered Spectroscopy. <i>Journal of Natural Products</i> , 2012, 75, 131-134.  | 1.5 | 39        |
| 77 | Convection in liquid-state NMR: expect the unexpected. <i>RSC Advances</i> , 2016, 6, 95173-95176.   | 1.7 | 39        |
| 78 | Novel Artemisinin and Curcumin Micellar Formulations: Drug Solubility Studies by NMR Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 3666-3675.  | 1.6 | 37        |
| 79 | Unmixing the NMR spectra of similar species "vive la diff rence. <i>Chemical Communications</i> , 2013, 49, 10510.   | 2.2 | 37        |
| 80 | Flaws in foldamers: conformational uniformity and signal decay in achiral helical peptide oligomers. <i>Chemical Science</i> , 2015, 6, 2313-2322.   | 3.7 | 36        |
| 81 | Molecular characterisation of oxymethylene linked poly(oxyethylene). <i>British Polymer Journal</i> , 1987, 19, 509-516.   | 0.7 | 35        |
| 82 | Direct Observation of the Magnetization Exchange Dynamics Responsible for Magnetization Transfer Contrast in Human Cartilage in Vitro. <i>Magnetic Resonance in Medicine</i> , 1992, 28, 97-104.                                   | 1.9 | 35        |
| 83 | A Practical Method for Automated Shimming with Normal Spectrometer Hardware. <i>Journal of Magnetic Resonance</i> , 1997, 125, 197-201.  | 1.2 | 35        |
| 84 | A novel NMR method for screening soluble compound libraries. <i>Chemical Communications</i> , 2001, , 239-240.   | 2.2 | 35        |
| 85 | Diffusion NMR and trilinear analysis in the study of reaction kinetics. <i>Chemical Communications</i> , 2009, , 1252.   | 2.2 | 35        |
| 86 | Suppressing exchange effects in diffusion-ordered NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2014, 238, 16-19.   | 1.2 | 33        |
| 87 | Constant time gradient HSQC iDOSY: practical aspects. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, 1081-1085.  | 1.1 | 32        |
| 88 | Single Scan Selective Excitation of Individual NMR Signals in Overlapping Multiplets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 666-669.  | 7.2 | 32        |
| 89 | Complete Assignment of the <sup>1</sup> H and <sup>13</sup> C NMR Spectra of Steroidal Sapogenins: Smilagenin and Sarsasapogenin. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, 441-446.                                      | 1.1 | 31        |
| 90 | Dependence of the <sup>1</sup> H 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, 255-257.                            | 1.4 | 31        |

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|-----|---|-----|-----------|
| 91  | Z-spectroscopy with Alternating-Phase Irradiation. Journal of Magnetic Resonance, 2010, 207, 242-250.   | 1.2 | 31        |
| 92  | High resolution <sup>13</sup> C DOSY: The DEPTSE experiment. Journal of Magnetic Resonance, 2011, 211, 25-29.   | 1.2 | 31        |
| 93  | Carbon-13 and proton two-dimensional NMR study of the Ormosia alkaloids panamine, ormosanine, and ormosinine. Journal of the American Chemical Society, 1983, 105, 2538-2544.           | 6.6 | 30        |
| 94  | Concerted use of homo- and hetero-nuclear 2D NMR: <sup>13</sup> C and <sup>1</sup> H assignment of sucrose octaacetate. Magnetic Resonance in Chemistry, 1986, 24, 179-182.             | 1.1 | 30        |
| 95  | General Analytical Solutions of the Bloch Equations. Journal of Magnetic Resonance Series A, 1994, 107, 236-238.  | 1.6 | 30        |
| 96  | A Diffusion-Ordered NMR Spectroscopy Study of the Solubilization of Artemisinin by Octanoyl- $\alpha$ -ascorbic Acid Micelles. Journal of Pharmaceutical Sciences, 2002, 91, 2265-2270. | 1.6 | 30        |
| 97  | Detection of Potential TNA and RNA Nucleoside Precursors in a Prebiotic Mixture by Pure Shift Diffusion-Ordered NMR Spectroscopy. Chemistry - A European Journal, 2013, 19, 4586-4595.  | 1.7 | 30        |
| 98  | Real-time pure shift <sup>15</sup> N HSQC of proteins: a real improvement in resolution and sensitivity. Journal of Biomolecular NMR, 2015, 62, 43-52.                                  | 1.6 | 30        |
| 99  | A new tool for NMR analysis of complex systems: selective pure shift TOCSY. RSC Advances, 2016, 6, 100063-100066.   | 1.7 | 30        |
| 100 | Identification of a further transient species relating to rhodium-complex catalysed asymmetric hydrogenation. Journal of the Chemical Society Chemical Communications, 1983, , 664.     | 2.0 | 29        |
| 101 | The Behavior of Multiplet Signals under "Radiation Damping" Conditions. I. Classical Effects. Journal of Magnetic Resonance Series A, 1995, 117, 109-112.                               | 1.6 | 29        |
| 102 | Reaction Kinetics Studied Using Diffusion-Ordered Spectroscopy and Multiway Chemometrics. Analytical Chemistry, 2010, 82, 2102-2108.  | 3.2 | 29        |
| 103 | Correction of systematic errors in CORE processing of DOSY data. Magnetic Resonance in Chemistry, 2006, 44, 655-660.  | 1.1 | 28        |
| 104 | Relaxation-encoded NMR experiments for mixture analysis: REST and beer. Chemical Communications, 2017, 53, 7461-7464.   | 2.2 | 28        |
| 105 | <i>T</i> <sub>1</sub> -Diffusion-Ordered Spectroscopy: Nuclear Magnetic Resonance Mixture Analysis Using Parallel Factor Analysis. Analytical Chemistry, 2009, 81, 8119-8125.           | 3.2 | 27        |
| 106 | Particle size measurement of lipoprotein fractions using diffusion-ordered NMR spectroscopy. Analytical and Bioanalytical Chemistry, 2012, 402, 2407-2415.                              | 1.9 | 27        |
| 107 | Minimising Research Bottlenecks by Decluttering NMR Spectra. Chemistry - A European Journal, 2015, 21, 6623-6630.   | 1.7 | 27        |
| 108 | High resolution, high field magnetic resonance imaging of joints: unexpected features in proton images of cartilage. British Journal of Radiology, 1990, 63, 907-909.                   | 1.0 | 26        |

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|-----|---|-----|-----------|
| 109 | <sup>19</sup> F DOSY NMR analysis for spin systems with <sup>n</sup> J <sub>FF</sub> couplings. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 172-177.   | 1.1 | 26        |
| 110 | Improving accuracy in DOSY and diffusion measurements using triaxial field gradients. <i>Journal of Magnetic Resonance</i> , 2016, 270, 24-30.  | 1.2 | 25        |
| 111 | Difluorinated analogues of shikimic acid. <i>Tetrahedron</i> , 2003, 59, 4827-4841.   | 1.0 | 24        |
| 112 | Effects of radiation damping on Z-spectra. <i>Journal of Magnetic Resonance</i> , 2006, 183, 203-212.   | 1.2 | 24        |
| 113 | “Pure shift” <sup>1</sup> H NMR, a robust method for revealing heteronuclear couplings in complex spectra. <i>RSC Advances</i> , 2014, 4, 8278-8282.  | 1.7 | 24        |
| 114 | Carbon-13 nuclear magnetic resonance spectra with coherent proton decoupling: peak-height distortions within spin multiplets. <i>Journal of the American Chemical Society</i> , 1978, 100, 5637-5640.   | 6.6 | 23        |
| 115 | NMR measurements of diffusion in concentrated samples: avoiding problems with radiation damping. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1568-1573.  | 1.9 | 23        |
| 116 | Suppression of artefacts in nuclear overhauser effect difference spectroscopy by reference deconvolution. <i>Magnetic Resonance in Chemistry</i> , 1989, 27, 1085-1089.   | 1.1 | 22        |
| 117 | Improved DECRA processing of DOSY data: correcting for non-uniform field gradients. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 656-660.   | 1.1 | 22        |
| 118 | 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.   | 1.5 | 22        |
| 119 | Very broadband diffusion-ordered NMR spectroscopy: <sup>19</sup> F DOSY. <i>Chemical Communications</i> , 2016, 52, 6892-6894.  | 2.2 | 22        |
| 120 | Synthesis of (1,2-benzenediolato(2-)-O,O')oxobis(1-piperidinolato(1-)-O,N)molybdenum(VI), [MoO(C <sub>5</sub> H <sub>10</sub> NO) <sub>2</sub> (C <sub>6</sub> H <sub>4</sub> O <sub>2</sub> )], and structure determination by correlated proton-carbon-13 two-dimensional NMR spectroscopy and x-ray crystallography. <i>Inorganic Chemistry</i> , 1985, 24, 4070-4077. | 1.9 | 21        |
| 121 | Reference Deconvolution Using Multiplet Reference Signals. <i>Journal of Magnetic Resonance Series A</i> , 1995, 116, 206-214.  | 1.6 | 21        |
| 122 | Cleaning up NMR spectra with reference deconvolution for improving multivariate analysis of complex mixture spectra. <i>Journal of Chemometrics</i> , 2014, 28, 656-662.  | 0.7 | 21        |
| 123 | Anatomising proton NMR spectra with pure shift 2D J-spectroscopy: A cautionary tale. <i>Chemical Physics Letters</i> , 2017, 683, 398-403.  | 1.2 | 21        |
| 124 | Dissect and Divide: Putting NMR Spectra of Mixtures under the Knife. <i>Journal of the American Chemical Society</i> , 2019, 141, 5766-5771.  | 6.6 | 21        |
| 125 | Concerted use of two-dimensional NMR techniques in the ab initio assignment of complex spectra: Complete proton and carbon-13 assignment of oligomycin A. <i>Magnetic Resonance in Chemistry</i> , 1985, 23, 676-683.   | 1.1 | 20        |
| 126 | Hoechst 33258 and its complex with the oligonucleotide d(CGCGAATTCGCG) <sub>2</sub> : <sup>1</sup> H NMR assignments and dynamics. <i>Magnetic Resonance in Chemistry</i> , 1992, 30, 1064-1069.  | 1.1 | 20        |



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|-----|--|-----|-----------|
| 127 | Silicon-29 diffusion-ordered NMR spectroscopy (DOSY) as a tool for studying aqueous silicates. <i>Chemical Communications</i> , 2001, , 2422-2423.   | 2.2 | 20        |
| 128 | Matrix-assisted diffusion-ordered spectroscopy: application of surfactant solutions to the resolution of isomer spectra. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 458-465.   | 1.1 | 20        |
| 129 | Systematic Comparison of Sets of <sup>13</sup> 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, 7477-7490. | 1.7 | 20        |
| 130 | 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.  | 1.7 | 20        |
| 131 | Practical aspects of real-time pure shift HSQC experiments. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 993-1005.   | 1.1 | 20        |
| 132 | Virtual coupling in heteronuclear chemical-shift correlation by two-dimensional NMR. A simple test. <i>Journal of Magnetic Resonance</i> , 1985, 65, 506-509.  | 0.5 | 19        |
| 133 | Analysis of virtual one-bond coupling effects in heteronuclear chemical shift correlation 2D N.M.R. spectra. <i>Molecular Physics</i> , 1987, 61, 467-483.   | 0.8 | 19        |
| 134 | Spirostanol glycoside from fruits of <i>Asparagus officinalis</i> . <i>Phytochemistry</i> , 1988, 27, 3324-3325.   | 1.4 | 19        |
| 135 | Is nevirapine atropisomeric? Experimental and computational evidence for rapid conformational inversion. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 716-719.  | 1.5 | 19        |
| 136 | Filter diagonalization method for processing PFG NMR data. <i>Journal of Magnetic Resonance</i> , 2013, 234, 125-134.  | 1.2 | 19        |
| 137 | FESTA: An Efficient Nuclear Magnetic Resonance Approach for the Structural Analysis of Mixtures Containing Fluorinated Species. <i>Analytical Chemistry</i> , 2018, 90, 5445-5450.   | 3.2 | 19        |
| 138 | A simple approach to single-channel quadrature detection. <i>Journal of Magnetic Resonance</i> , 1977, 25, 559-562.  | 0.5 | 18        |
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