

William S Price

List of Publications by Year in descending order

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194
papers

6,922
citations

87723

38
h-index

76769

74
g-index

216
all docs

216
docs citations

216
times ranked

7452
citing authors

#	ARTICLE	IF	CITATIONS
1	Preferential freezing avoidance localised in anthers and embryo sacs in wintering <i>Daphne kamtschatica</i> var. <i>jezoensis</i> flower buds visualised by magnetic resonance imaging. <i>Plant, Cell and Environment</i> , 2022, 45, 2109-2125.	2.8	2
2	Rapid Online Analysis of Photopolymerization Kinetics and Molecular Weight Using Diffusion NMR. <i>ACS Macro Letters</i> , 2022, 11, 166-172.	2.3	13
3	NMR imaging and diffusion. <i>Adsorption</i> , 2021, 27, 503-533.	1.4	14
4	Comment on "Using NMR to Test Molecular Mobility during a Chemical Reaction". <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5932-5937.	2.1	8
5	Is It Time to Forgo the Use of the Terms "Spin Lattice" and "Spin Spin" Relaxation in NMR and MRI? <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6305-6312.	2.1	13
6	3D visualisation of voids in grapevine flowers and berries using X-ray micro computed tomography. <i>Australian Journal of Grape and Wine Research</i> , 2021, 27, 141-148.	1.0	4
7	Comment on "Boosted molecular mobility during common chemical reactions". <i>Science</i> , 2021, 371, .	6.0	26
8	Explicit phenomenological solutions for magnetization exposed to an arbitrary NMR diffusion steady state pulse sequence. <i>Journal of Chemical Physics</i> , 2021, 155, 144204.	1.2	3
9	Following Molecular Mobility during Chemical Reactions: No Evidence for Active Propulsion. <i>Journal of the American Chemical Society</i> , 2021, 143, 20884-20890.	6.6	13
10	Structural changes in copper based metal-organic framework catalyst induced by organic solvents. <i>Catalysis Today</i> , 2020, 351, 2-5.	2.2	1
11	Effect of placental growth factor in models of experimental pre-eclampsia and trophoblast invasion. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 49-59.	0.9	4
12	Delivery of polymeric nanostars for molecular imaging and endoradiotherapy through the enhanced permeability and retention (EPR) effect. <i>Theranostics</i> , 2020, 10, 567-584.	4.6	63
13	Thiol-water proton exchange of glutathione, cysteine, and N-acetylcysteine: Implications for CEST MRI. <i>NMR in Biomedicine</i> , 2020, 33, e4188.	1.6	8
14	Controlled Diffusion of Photoswitchable Receptors by Binding Anti-electrostatic Hydrogen-Bonded Phosphate Oligomers. <i>Journal of the American Chemical Society</i> , 2020, 142, 20014-20020.	6.6	35
15	Applications for Transition-Metal Chemistry in Contrast-Enhanced Magnetic Resonance Imaging. <i>Inorganic Chemistry</i> , 2020, 59, 6648-6678.	1.9	80
16	Applications of WaterControl to TOCSY and COSY experiments. <i>Journal of Biomolecular NMR</i> , 2020, 74, 333-340.	1.6	4
17	Porous Upconversion Nanostructures as Bimodal Biomedical Imaging Contrast Agents. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12168-12174.	1.5	18
18	Design and preclinical evaluation of nanostars for the passive pretargeting of tumor tissue. <i>Nuclear Medicine and Biology</i> , 2020, 84-85, 63-72.	0.3	16

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19	Chapter 16. Q-space Singlet NMR. <i>New Developments in NMR</i> , 2020, , 302-319.	0.1	2
20	Correlation of ultra-high field MRI with histopathology for evaluation of rectal cancer heterogeneity. <i>Scientific Reports</i> , 2019, 9, 9311.	1.6	9
21	Enhanced Diffusion of Molecular Catalysts is Due to Convection. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18864-18867.	7.2	20
22	Enhanced Diffusion of Molecular Catalysts is Due to Convection. <i>Angewandte Chemie</i> , 2019, 131, 19040-19043.	1.6	11
23	Hydrogen isotope replacement changes hydration and large scale structure, but not small scale structure, of agarose hydrogel networks. <i>European Physical Journal E</i> , 2019, 42, 53.	0.7	4
24	Time-Resolved Diffusion NMR Measurements for Transient Processes. <i>ChemPhysChem</i> , 2019, 20, 926-930.	1.0	23
25	Jump-and-return sandwiches: A new family of binomial-like selective inversion sequences with improved performance. <i>Journal of Magnetic Resonance</i> , 2018, 288, 100-108.	1.2	4
26	NMR Versatility. , 2018, , 233-260.		3
27	NMR diffusion and relaxation studies of 2-nitroimidazole and albumin interactions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 318-323.	2.0	1
28	A complete derivation of the Kärger equations for analyzing NMR diffusion measurements of exchanging systems. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2018, 47A, .	0.2	12
29	A Simple and Effective Binomial Block Based Pulse Sequence Capable of Suppressing Multiple NMR Signals. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9712-9720.	1.1	3
30	Ice Nucleation Activity in Plants: The Distribution, Characterization, and Their Roles in Cold Hardiness Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1081, 99-115.	0.8	9
31	Quantification of placental change in mouse models of preeclampsia using magnetic resonance microscopy. <i>European Journal of Histochemistry</i> , 2018, 62, 2868.	0.6	6
32	Shortening NMR experimental times. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 847-851.	1.1	5
33	A 3D MRI-based atlas of a lizard brain. <i>Journal of Comparative Neurology</i> , 2018, 526, 2511-2547.	0.9	22
34	NMR Diffusometry. , 2018, , 911-926.		1
35	Diffusion NMR: A Tool to Investigate the Dynamics of Organic Systems. <i>Current Organic Chemistry</i> , 2018, 22, 758-768.	0.9	2
36	WaterControl: self-diffusion based solvent signal suppression enhanced by selective inversion. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 447-451.	1.1	7

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37	Determining a δ -diffusion-averaged δ ™ characteristic ratio for aligned lyotropic hexagonal phases using PGSE NMR self-diffusion measurements, random walk simulations and obstruction models. Journal of Molecular Liquids, 2017, 236, 107-116.	2.3	3
38	Photocatalytic properties of Ta-doped TiO ₂ . Ionics, 2017, 23, 3517-3531.	1.2	9
39	Towards advanced paramagnetic nanoassemblies of highly ordered interior nanostructures as potential MRI contrast agents. New Journal of Chemistry, 2017, 41, 2735-2744.	1.4	4
40	The protective effect of apolipoprotein in models of trophoblast invasion and preeclampsia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R40-R48.	0.9	18
41	NOESY-WaterControl: a new NOESY sequence for the observation of under-water protein resonances. Journal of Biomolecular NMR, 2017, 67, 233-241.	1.6	1
42	Self-assembled supramolecular cages containing dinuclear ruthenium(II) polypyridyl complexes. Inorganica Chimica Acta, 2017, 458, 122-128.	1.2	29
43	Evidence for Concerted and Mosaic Brain Evolution in Dragon Lizards. Brain, Behavior and Evolution, 2017, 90, 211-223.	0.9	30
44	Low-bandwidth space/frequency component separation for quantitative imaging. Magnetic Resonance in Chemistry, 2017, 55, 137-144.	1.1	0
45	A new phase modulated binomial-like selective inversion sequence for solvent signal suppression in NMR. Magnetic Resonance in Chemistry, 2017, 55, 115-119.	1.1	5
46	Sexual selection predicts brain structure in dragon lizards. Journal of Evolutionary Biology, 2017, 30, 244-256.	0.8	16
47	Physical characterization using diffusion NMR spectroscopy. Magnetic Resonance in Chemistry, 2017, 55, 414-424.	1.1	16
48	Solute transport within grape berries inferred from the paramagnetic properties of manganese. Functional Plant Biology, 2017, 44, 969.	1.1	3
49	NMR Diffusometry. , 2017, , 1-17.		0
50	Common problems and artifacts encountered in solution-state NMR experiments. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2016, 45A, .	0.2	20
51	NMR Diffusion Measurements as a Simple Method to Examine Solvent-Solvent and Solvent-Solute Interactions in Mixtures of the Ionic Liquid [Bmim][N(SO ₂ CF ₃) ₂] and Acetonitrile. ChemPhysChem, 2016, 17, 3853-3862.	1.0	21
52	Freezing behaviours in wintering <i>Cornus florida</i> flower bud tissues revisited using MRI. Plant, Cell and Environment, 2016, 39, 2663-2675.	2.8	16
53	Fast determination of the ¹ H relaxivities of MRI contrast agents. Magnetic Resonance in Chemistry, 2016, 54, 58-61.	1.1	2
54	Time-course study of grape berry split using diffusion magnetic resonance imaging. Australian Journal of Grape and Wine Research, 2016, 22, 240-244.	1.0	11

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55	NMR diffusion studies of spherical molecules: Tetramethylsilane and buckyballs. <i>Journal of Molecular Liquids</i> , 2016, 214, 157-161.	2.3	12
56	Non-ideal Behaviour and Solution Interactions in Binary DMSO Solutions. <i>ChemPhysChem</i> , 2015, 16, 3814-3823.	1.0	6
57	Gd-DTPA-Dopamine-Bisphityl Amphiphile: Synthesis, Characterisation and Relaxation Parameters of the Nanoassemblies and Their Potential as MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2015, 21, 13950-13960.	1.7	12
58	Frontispiece: Gd-DTPA-Dopamine-Bisphityl Amphiphile: Synthesis, Characterisation and Relaxation Parameters of the Nanoassemblies and Their Potential as MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2015, 21, .	1.7	0
59	Dipolar relaxation revisited: A complete derivation for the two spin case. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2015, 44, 74-113.	0.2	12
60	Macromolecular crowding studies of amino acids using NMR diffusion measurements and molecular dynamics simulations. <i>Frontiers in Physics</i> , 2015, 3, .	1.0	12
61	The transport and conductivity properties of the ionic liquid EMIMTCM. <i>Journal of Molecular Liquids</i> , 2015, 201, 96-101.	2.3	20
62	Evaluation of Gd-DTPA-Monophytanyl and Phytantriol Nanoassemblies as Potential MRI Contrast Agents. <i>Langmuir</i> , 2015, 31, 1556-1563.	1.6	16
63	Viscous Calibration Liquids for Self-Diffusion Measurements. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 3506-3517.	1.0	25
64	Ice nucleation activity in various tissues of Rhododendron flower buds: their relevance to extraorgan freezing. <i>Frontiers in Plant Science</i> , 2015, 6, 149.	1.7	33
65	Steady state effects in a two-pulse diffusion-weighted sequence. <i>Journal of Chemical Physics</i> , 2015, 142, 154201.	1.2	7
66	High ice nucleation activity located in blueberry stem bark is linked to primary freeze initiation and adaptive freezing behaviour of the bark. <i>AoB PLANTS</i> , 2014, 6, plu044-plu044.	1.2	33
67	A magnetic gradient induced force in NMR restricted diffusion experiments. <i>Journal of Chemical Physics</i> , 2014, 140, 124104.	1.2	0
68	Use of diffusion magnetic resonance imaging to correlate the developmental changes in grape berry tissue structure with water diffusion patterns. <i>Plant Methods</i> , 2014, 10, 35.	1.9	16
69	Diffusion Studies of Phenylendiamine Isomers in Water-Monohydric-Alcohol Systems. <i>Australian Journal of Chemistry</i> , 2014, 67, 922.	0.5	2
70	Spatial and temporal control of drug release through pH and alternating magnetic field induced breakage of Schiff base bonds. <i>Polymer Chemistry</i> , 2014, 5, 3311-3315.	1.9	39
71	Nanoassemblies of Gd-DTPA monooleyl and glycerol monooleate amphiphiles as potential MRI contrast agents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1225.	2.9	25
72	Probing solute-solvent interactions using difluorobenzene isomers in water-monohydric-alcohol mixtures. <i>Journal of Molecular Liquids</i> , 2014, 198, 392-397.	2.3	1

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73	¹ H NMR Diffusion Studies of Water Self-Diffusion in Supercooled Aqueous Sodium Chloride Solutions. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3307-3312.	1.1	11
74	Efficient and precise calculation of the b-matrix elements in diffusion-weighted imaging pulse sequences. <i>Journal of Magnetic Resonance</i> , 2014, 243, 65-73.	1.2	4
75	Stress-Induced Grey Matter Loss Determined by MRI Is Primarily Due to Loss of Dendrites and Their Synapses. <i>Molecular Neurobiology</i> , 2013, 47, 645-661.	1.9	170
76	Preparation and physical properties of a macroscopically aligned lyotropic hexagonal phase templated hydrogel. <i>Reactive and Functional Polymers</i> , 2013, 73, 911-922.	2.0	14
77	Numerical analysis of NMR diffusion measurements in the short gradient pulse limit. <i>Journal of Magnetic Resonance</i> , 2013, 234, 165-175.	1.2	26
78	Diffusion Studies of Dihydroxybenzene Isomers in Water-Alcohol Systems. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2734-2741.	1.2	27
79	Restricted diffusion in annular geometrical pores. <i>Journal of Chemical Physics</i> , 2013, 138, 094202.	1.2	11
80	Magnetic Resonance Imaging Detects Placental Hypoxia and Acidosis in Mouse Models of Perturbed Pregnancies. <i>PLoS ONE</i> , 2013, 8, e59971.	1.1	14
81	Direct Hydrodynamic Radius Measurement on Dissolved Organic Matter in Natural Waters Using Diffusion NMR. <i>Environmental Science & Technology</i> , 2012, 46, 1675-1680.	4.6	41
82	Diffraction using singlet spin states and various NMR coherences in a J-coupled AX spin system. <i>RSC Advances</i> , 2012, 2, 3352.	1.7	14
83	Microscopic diffusivity compartmentation in formalin-fixed prostate tissue. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 614-620.	1.9	34
84	Biexponential diffusion decay in formalin-fixed prostate tissue: Preliminary findings. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 954-959.	1.9	21
85	Microscopic diffusivity compartmentation in formalin-fixed prostate tissue. <i>Magnetic Resonance in Medicine</i> , 2012, 68, spcone-spcone.	1.9	0
86	Spectroscopic investigations on the interactions of potent platinum(II) anticancer agents with bovine serum albumin. <i>Journal of Chemical Biology</i> , 2012, 5, 105-113.	2.2	20
87	Influence of polymer architecture on the averaging effects in PGSE NMR attenuations for bimodal solutions of linear and star poly(vinyl acetates). <i>Journal of Molecular Liquids</i> , 2012, 167, 110-114.	2.3	4
88	Mutual and self-diffusion of charged porphyrines in aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2012, 47, 312-319.	1.0	14
89	NMR study of the structure and self-association of core peptide in aqueous solution and DPC micelles. <i>Biopolymers</i> , 2011, 96, 177-180.	1.2	6
90	Pulsed Gradient Spin-Echo NMR. , 2011, , 159-185.		1

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91	Elastic and viscoelastic properties of porcine subdermal fat using MRI and inverse FEA. Biomechanics and Modeling in Mechanobiology, 2010, 9, 703-711.	1.4	25
92	Compensated PGSE: an improved NMR diffusion experiment with fewer phase distortions. Magnetic Resonance in Chemistry, 2010, 48, 129-133.	1.1	41
93	Solvent signal suppression in NMR. Progress in Nuclear Magnetic Resonance Spectroscopy, 2010, 56, 267-288.	3.9	117
94	NMR q-space imaging of macroscopic pores using singlet spin states. Journal of Magnetic Resonance, 2010, 204, 346-348.	1.2	14
95	Hydrodynamic size and scaling relations for linear and 4 arm star PVAc studied using PGSE NMR. Journal of Molecular Liquids, 2010, 156, 45-51.	2.3	12
96	NMR diffusometry applied to liquids. Journal of Molecular Liquids, 2010, 156, 38-44.	2.3	14
97	Modeling diffusion in restricted systems using the heat kernel expansion. Journal of Chemical Physics, 2010, 132, 234108.	1.2	3
98	Some Reflections on the Effects of Finite Gradient Pulse Lengths in PGSE NMR Experiments in Restricted Systems. Israel Journal of Chemistry, 2010, 43, 25-32.	1.0	7
99	Averaging Effects in PGSE NMR Attenuations Observed in Bimodal Molecular Weight PMMA Solutions. Macromolecules, 2010, 43, 7351-7356.	2.2	11
100	Spin dynamics: Basics of nuclear magnetic resonance, 2nd edition.. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2009, 34A, 60-61.	0.2	21
101	A physical interpretation of product operator terms. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2009, 34A, 322-356.	0.2	4
102	Simultaneous convection compensation and solvent suppression in biomolecular NMR diffusion experiments. Journal of Biomolecular NMR, 2009, 45, 295-299.	1.6	34
103	Impediments to the accurate structural characterisation of a highly concentrated emulsion studied using NMR diffusion diffraction. Journal of Colloid and Interface Science, 2009, 338, 163-168.	5.0	11
104	MQ-PGSTE: A new multi-quantum STE-based PGSE NMR sequence. Journal of Magnetic Resonance, 2009, 198, 271-274.	1.2	12
105	Diffusion-based studies on the self-stacking and nanorod formation of platinum(ii) intercalators. Chemical Communications, 2009, , 1210.	2.2	23
106	Theory of NMR diffusion and flow measurements. , 2009, , 69-119.		2
107	PGSE hardware. , 2009, , 185-197.		0
108	MAG-PGSTE: A new STE-based PGSE NMR sequence for the determination of diffusion in magnetically inhomogeneous samples. Journal of Magnetic Resonance, 2008, 195, 40-44.	1.2	17

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109	PGSTE-WATERGATE: An STE-based PGSE NMR sequence with excellent solvent suppression. Journal of Magnetic Resonance, 2008, 191, 159-163.	1.2	59
110	Removal of J-coupling peak distortion in PGSE experiments. Journal of Magnetic Resonance, 2008, 193, 311-316.	1.2	19
111	Solvent suppression using phase-modulated binomial-like sequences and applications to diffusion measurements. Journal of Magnetic Resonance, 2008, 194, 108-114.	1.2	17
112	Steady state effects in PGSE NMR diffusion experiments. Chemical Physics Letters, 2008, 462, 331-336.	1.2	25
113	An improved approach to calibrating high magnetic field gradients for pulsed field gradient experiments. Journal of Magnetic Resonance, 2008, 194, 25-28.	1.2	14
114	Examination of Cucurbit[7]uril and Its Host-Guest Complexes by Diffusion Nuclear Magnetic Resonance. Journal of Physical Chemistry B, 2008, 112, 2311-2314.	1.2	43
115	Exact solution for anisotropic diffusion-controlled reactions with partially reflecting conditions. Journal of Chemical Physics, 2007, 127, 184508.	1.2	23
116	Suppression of background gradients in (B_0 gradient-based) NMR diffusion experiments. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2007, 30A, 261-277.	0.2	57
117	A PGSE diffusion and electrophoretic NMR study of Cs^+ and Na^+ dynamics in aqueous crown ether systems. Magnetic Resonance in Chemistry, 2007, 45, 152-156.	1.1	14
118	^{195}Pt NMR theory and application. Chemical Society Reviews, 2007, 36, 665-686.	18.7	278
119	Diffusion NMR studies on fish antifreeze proteins and synthetic analogues. FEBS Letters, 2006, 580, 3911-3915.	1.3	16
120	Protein association studied by NMR diffusometry. Current Opinion in Colloid and Interface Science, 2006, 11, 19-23.	3.4	14
121	Nuclear magnetic resonance (NMR) and magnetic resonance imaging (MRI) studies of corn at subzero temperatures. Journal of Food Engineering, 2005, 69, 199-205.	2.7	31
122	Ionic Conduction and Ion Diffusion in Binary Room-Temperature Ionic Liquids Composed of [emim][BF ₄] and LiBF ₄ . Journal of Physical Chemistry B, 2004, 108, 19527-19532.	1.2	295
123	NMR studies of surfactants. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2004, 23A, 121-135.	0.2	144
124	Some "Reflections" on the Effects of Finite Gradient Pulse Lengths in PGSE NMR Experiments in Restricted Systems. ChemInform, 2004, 35, no.	0.1	0
125	A new type of sample tube for reducing convection effects in PGSE-NMR measurements of self-diffusion coefficients of liquid samples. Journal of Magnetic Resonance, 2004, 167, 328-333.	1.2	72
126	Ion Transport Properties of Six Lithium Salts Dissolved in \hat{t}^3 -Butyrolactone Studied by Self-Diffusion and Ionic Conductivity Measurements. Journal of the Electrochemical Society, 2004, 151, A119.	1.3	94

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127	NMR Studies of Nanoscale Organization and Dynamics in Polymer Electrolytes. Australian Journal of Chemistry, 2004, 57, 1185.	0.5	12
128	Determination of pore space shape and size in porous systems using NMR diffusometry. Beyond the short gradient pulse approximation. Journal of Magnetic Resonance, 2003, 160, 139-143.	1.2	40
129	Recent Advances in NMR Diffusion Techniques for Studying Drug Binding. Australian Journal of Chemistry, 2003, 56, 855.	0.5	26
130	Ion Diffusion Restricted by Time-Dependent Barriers in a Viscous Polyethylene-Based Liquid Electrolyte. Macromolecules, 2003, 36, 8596-8598.	2.2	10
131	Solution Dynamics in Aqueous Monohydric Alcohol Systems. Journal of Physical Chemistry A, 2003, 107, 4784-4789.	1.1	108
132	NMR Studies on Poly(ethylene oxide)-based Polymer Electrolytes with Different Cross-Linking Doped with LiN(SO ₂ CF ₃) ₂ . Restricted Diffusion of the Polymer and Lithium Ion and Time-Dependent Diffusion of the Anion. Macromolecules, 2003, 36, 2785-2792.	2.2	48
133	An NMR and Ionic Conductivity Study of Ion Dynamics in Liquid Poly(ethylene oxide)-Based Electrolytes Doped with LiN(SO ₂ CF ₃) ₂ . Journal of Physical Chemistry B, 2002, 106, 547-554.	1.2	52
134	PGSE-WATERGATE, a new tool for NMR diffusion-based studies of ligand-macromolecule binding. Magnetic Resonance in Chemistry, 2002, 40, 391-395.	1.1	75
135	NMR diffusion measurements of strong signals: the PGSE-Q-switch experiment. Magnetic Resonance in Chemistry, 2002, 40, S128-S132.	1.1	19
136	Time Dependence of Aggregation in Crystallizing Lysozyme Solutions Probed Using NMR Self-Diffusion Measurements. Biophysical Journal, 2001, 80, 1585-1590.	0.2	38
137	Macroscopic Background Gradient and Radiation Damping Effects on High-Field PGSE NMR Diffusion Measurements. Journal of Magnetic Resonance, 2001, 150, 49-56.	1.2	52
138	NMR and ion conductivity studies on cross-linked poly(ethyleneoxide- <i>co</i> -propyleneoxide) and branched polyether doped with LiN(SO ₂ CF ₃) ₂ . Electrochimica Acta, 2001, 46, 1475-1485.	2.6	31
139	Self-diffusion coefficients of lithium, anion, polymer, and solvent in polymer gel electrolytes measured using ⁷ Li, ¹⁹ F, and ¹ H pulsed-gradient spin-echo NMR. Electrochimica Acta, 2000, 45, 1313-1319.	2.6	61
140	Ionic conduction and self-diffusion near infinitesimal concentration in lithium salt-organic solvent electrolytes. Journal of Chemical Physics, 2000, 113, 1981-1991.	1.2	92
141	Translational and rotational motion of isolated water molecules in nitromethane studied using ¹⁷ O NMR. Journal of Chemical Physics, 2000, 113, 3686-3689.	1.2	28
142	Correlating the NMR self-diffusion and relaxation measurements with ionic conductivity in polymer electrolytes composed of cross-linked poly(ethylene oxide-propylene oxide) doped with LiN(SO ₂ CF ₃) ₂ . Journal of Chemical Physics, 2000, 113, 4785-4793.	1.2	85
143	Temperature Dependence of the Self-Diffusion of Supercooled Heavy Water to 244 K. Journal of Physical Chemistry B, 2000, 104, 5874-5876.	1.2	53
144	² <i>â</i> NMR gradient methods in the study of proteins. Annual Reports on the Progress of Chemistry Section C, 2000, 96, 3.	4.4	26

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145	Self-Diffusion Coefficients of Some Hydrocarbons in Water: Measurements and Scaling Relations. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5892-5894.	1.1	42
146	Visualizing the postembryonic development of <i>Sarcophaga peregrina</i> (flesh fly) by NMR microscopy. <i>Physiological Entomology</i> , 1999, 24, 386-390.	0.6	9
147	Characterization of the solution properties of <i>Pichia farinosa</i> killer toxin using PGSE NMR diffusion measurements. <i>Journal of Biomolecular NMR</i> , 1999, 13, 113-117.	1.6	26
148	Self-Diffusion of Supercooled Water to 238 K Using PGSE NMR Diffusion Measurements. <i>Journal of Physical Chemistry A</i> , 1999, 103, 448-450.	1.1	284
149	Strategies for Diagnosing and Alleviating Artfactual Attenuation Associated with Large Gradient Pulses in PGSE NMR Diffusion Measurements. <i>Journal of Magnetic Resonance</i> , 1999, 139, 205-212.	1.2	64
150	Water Signal Suppression in NMR Spectroscopy. <i>Annual Reports on NMR Spectroscopy</i> , 1999, , 289-354.	0.7	69
151	Lysozyme Aggregation and Solution Properties Studied Using PGSE NMR Diffusion Measurements. <i>Journal of the American Chemical Society</i> , 1999, 121, 11503-11512.	6.6	153
152	Protein Aggregation Studies Using PFG NMR Diffusion Measurements. , 1999, , 35-42.		0
153	Pulsed-field gradient nuclear magnetic resonance as a tool for studying translational diffusion: Part II. Experimental aspects. <i>Concepts in Magnetic Resonance</i> , 1998, 10, 197-237.	1.3	480
154	NMR studies of polydiacetylenes having alkyl chains. Molecular motions of precursor monomers and the polymers at various stages of the solid-state polymerization. <i>Journal of Molecular Structure</i> , 1998, 441, 205-211.	1.8	1
155	Diffusion, conductivity and DSC studies of a polymer gel electrolyte composed of cross-linked PEO, γ -butyrolactone and LiBF ₄ . <i>Solid State Ionics</i> , 1998, 107, 1-12.	1.3	79
156	A Model for Diffusive Transport through a Spherical Interface Probed by Pulsed-Field Gradient NMR. <i>Biophysical Journal</i> , 1998, 74, 2259-2271.	0.2	97
157	Freezing behaviors in leaf buds of cold-hardy conifers visualized by NMR microscopy. <i>Tree Physiology</i> , 1998, 18, 451-458.	1.4	38
158	NMR Imaging. <i>Annual Reports on NMR Spectroscopy</i> , 1998, 35, 139-216.	0.7	18
159	Visualization of Freezing Behaviors in Leaf and Flower Buds of Full-Moon Maple by Nuclear Magnetic Resonance Microscopy. <i>Plant Physiology</i> , 1997, 115, 1515-1524.	2.3	57
160	Visualisation of Freezing Behaviours in Flower Bud Tissues of Cold-hardy <i>Rhododendron japonicum</i> by Nuclear Magnetic Resonance Micro-Imaging. <i>Functional Plant Biology</i> , 1997, 24, 599.	1.1	26
161	A pulsed field gradient NMR study of the aggregation and hydration of parvalbumin. <i>Biophysical Chemistry</i> , 1997, 65, 179-187.	1.5	21
162	Pulsed-field gradient nuclear magnetic resonance as a tool for studying translational diffusion: Part 1. Basic theory. <i>Concepts in Magnetic Resonance</i> , 1997, 9, 299-336.	1.3	850

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163	Optimization of the Water-PRESS Pulse Sequence and Its Integration into Pulse Sequences for Studying Biological Macromolecules. <i>Journal of Magnetic Resonance</i> , 1997, 126, 256-265.	1.2	23
164	Pulsed-field gradient nuclear magnetic resonance as a tool for studying translational diffusion: Part 1. Basic theory. , 1997, 9, 299.		7
165	Gradient NMR. <i>Annual Reports on NMR Spectroscopy</i> , 1996, 32, 51-142.	0.7	104
166	The Manipulation of Water Relaxation and Water Suppression in Biological Systems Using the Water-PRESS Pulse Sequence. <i>Journal of Magnetic Resonance Series B</i> , 1996, 112, 190-192.	1.6	19
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