

Alan M Kenwright

List of Publications by Year in descending order

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115
papers

3,267
citations

109137

35
h-index

182168

51
g-index

125
all docs

125
docs citations

125
times ranked

3030
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherence transfer delay optimisation in PSYCOSY experiments. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 51-55.	1.1	1
2	Solution-state behaviour of algal mono-uronates evaluated by pure shift and compressive sampling NMR techniques. <i>Carbohydrate Research</i> , 2020, 495, 108087.	1.1	1
3	Tuning the anion binding properties of lanthanide receptors to discriminate nucleoside phosphates in a sensing array. <i>Chemical Science</i> , 2020, 11, 3619-3628.	3.7	43
4	A novel Pt(<i>iv</i>) mono azido mono triazolato complex evolves azidyl radicals following irradiation with visible light. <i>Dalton Transactions</i> , 2019, 48, 6416-6420.	1.6	10
5	Reliable, high-quality suppression of NMR signals arising from water and macromolecules: application to bio-fluid analysis. <i>Analyst</i> , 2019, 144, 7270-7277.	1.7	10
6	Compressed <i>NMR</i> : Combining compressive sampling and pure shift <i>NMR</i> techniques. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 983-992.	1.1	8
7	Separating the coherence transfer from chemical shift evolution in high-resolution pure shift <i>CO</i> SY <i>NMR</i> . <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 969-975.	1.1	8
8	Aggregation of Rare Earth Coordination Complexes in Solution Studied by Paramagnetic and DOSY <i>NMR</i> . <i>Chemistry - A European Journal</i> , 2018, 24, 16170-16175.	1.7	15
9	Triheterometallic Lanthanide Complexes Prepared from Kinetically Inert Lanthanide Building Blocks. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2165-2172.	1.0	13
10	Lanthanide Complexes that Respond to Changes in Cyanide Concentration in Water. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7783-7786.	7.2	22
11	Lanthanide Complexes that Respond to Changes in Cyanide Concentration in Water. <i>Angewandte Chemie</i> , 2017, 129, 7891-7894.	1.6	4
12	Triheterometallic Lanthanide Complexes Prepared from Kinetically Inert Lanthanide Building Blocks. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2164-2164.	1.0	0
13	Optical Properties of Heavily Fluorinated Lanthanide Tris <i>Î</i> ² -Diketonate Phosphine Oxide Adducts. <i>Inorganics</i> , 2016, 4, 27.	1.2	17
14	Fluoride Binding and Crystal Field Analysis of Lanthanide Complexes of Tetrapicolyl-Appended Cyclen. <i>Chemistry - A European Journal</i> , 2016, 22, 8929-8936.	1.7	33
15	Luminescence of a binuclear europium complex bearing a 4-nitrophenolate chromophore: a different way of seeing pH dependence. <i>Chemical Communications</i> , 2016, 52, 6111-6114.	2.2	17
16	Amorphism and Thermal Decomposition of Salicylsalicylic Acid – A Cautionary Tale. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3073-3078.	1.6	0
17	HD-2D: routine high-dispersion two-dimensional <i>NMR</i> spectra at no extra cost. <i>RSC Advances</i> , 2016, 6, 83380-83385.	1.7	4
18	Substituent effects on fluoride binding by lanthanide complexes of DOTA-tetraamides. <i>Dalton Transactions</i> , 2016, 45, 3070-3077.	1.6	28

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19	Electromagnetic susceptibility anisotropy and its importance for paramagnetic NMR and optical spectroscopy in lanthanide coordination chemistry. <i>Dalton Transactions</i> , 2016, 45, 6782-6800.	1.6	55
20	Spectroscopic and Crystal Field Consequences of Fluoride Binding by [Yb(DTMA)] ³⁺ in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10783-10786.	7.2	52
21	Spectroscopic and Crystal Field Consequences of Fluoride Binding by [Yb(DTMA)] ³⁺ in Aqueous Solution. <i>Angewandte Chemie</i> , 2015, 127, 10933-10936.	1.6	16
22	Ultra-high dispersion NMR reveals new levels of detail. <i>RSC Advances</i> , 2015, 5, 52902-52906.	1.7	5
23	Challenging lanthanide relaxation theory: erbium and thulium complexes that show NMR relaxation rates faster than dysprosium and terbium analogues. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16507-16511.	1.3	19
24	Bimetallic lanthanide complexes that display a ratiometric response to oxygen concentrations. <i>Chemical Science</i> , 2015, 6, 2054-2059.	3.7	71
25	Axial fluoride binding by lanthanide DTMA complexes alters the local crystal field, resulting in dramatic spectroscopic changes. <i>Dalton Transactions</i> , 2015, 44, 19509-19517.	1.6	31
26	Lanthanide Complexes of AzidophenacylDO3A as New Synthons for Click Chemistry and the Synthesis of Heterometallic Lanthanide Arrays. <i>Chemistry - A European Journal</i> , 2015, 21, 5697-5699.	1.7	23
27	Critical analysis of the limitations of Bleaney's theory of magnetic anisotropy in paramagnetic lanthanide coordination complexes. <i>Chemical Science</i> , 2015, 6, 1655-1662.	3.7	70
28	“Pure shift” ¹ H NMR, a robust method for revealing heteronuclear couplings in complex spectra. <i>RSC Advances</i> , 2014, 4, 8278-8282.	1.7	24
29	A mild method for the synthesis of a novel dehydrobutyrine-containing amino acid. <i>Tetrahedron</i> , 2014, 70, 4661-4667.	1.0	13
30	The Amorphous Form of Salicylsalicylic Acid: Experimental Characterization and Computational Predictability. <i>Crystal Growth and Design</i> , 2013, 13, 1771-1779.	1.4	17
31	Using Remote Substituents to Control Solution Structure and Anion Binding in Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 16566-16571.	1.7	30
32	Lanthanide appended rotaxanes respond to changing chloride concentration. <i>Chemical Science</i> , 2013, 4, 489-493.	3.7	44
33	Preparation and study of an f,f,f,f covalently linked tetranuclear hetero-trimetallic complex “ a europium, terbium, dysprosium triad. <i>Chemical Communications</i> , 2013, 49, 783-785.	2.2	55
34	Experimental Measurement and Theoretical Assessment of Fast Lanthanide Electronic Relaxation in Solution with Four Series of Isostructural Complexes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 905-917.	1.1	31
35	Preparation and complete ¹ H and ¹³ C assignment of some pentacyclo[5.4.0.0 ^{2,6} .0 ^{3,10} .0 ^{5,9}]undecane-8,11-dione (PCUD) derivatives. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 803-808.	1.1	8
36	The relative stabilities of cyclic dicationic derivatives of diphosphanes with three (3P) or four (4P) linked phosphorus atoms. <i>Dalton Transactions</i> , 2012, 41, 1165-1172.	1.6	4

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37	Isostructural Series of Nine-Coordinate Chiral Lanthanide Complexes Based on Triazacyclononane. <i>Inorganic Chemistry</i> , 2012, 51, 8042-8056.	1.9	80
38	The maize benzoxazinone DIMBOA reacts with glutathione and other thiols to form spirocyclic adducts. <i>Phytochemistry</i> , 2012, 77, 171-178.	1.4	27
39	Lanthanide complexes of DOTA monoamide derivatives bearing an isophthalate pendent arm. <i>Dalton Transactions</i> , 2011, 40, 11451.	1.6	15
40	¹⁹ F-lanthanide complexes with increased sensitivity for ¹⁹ F-MRI: Optimization of the MR acquisition. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 931-936.	1.9	54
41	Design Principles and Theory of Paramagnetic Fluorine-Labelled Lanthanide Complexes as Probes for ¹⁹ F Magnetic Resonance: A Proof-of-Concept Study. <i>Chemistry - A European Journal</i> , 2010, 16, 134-148.	1.7	98
42	Strategies for the synthesis of fluorinated liquid crystal derivatives from perbromofluoroaromatic systems. <i>Tetrahedron</i> , 2010, 66, 9819-9827.	1.0	8
43	Probing the Structure, Conformation, and Stereochemical Exchange in a Family of Lanthanide Complexes Derived from Tetrapyrrolyl-Appended Cyclen. <i>Inorganic Chemistry</i> , 2010, 49, 7700-7709.	1.9	52
44	Synthesis and photophysical properties of kinetically stable complexes containing a lanthanide ion and a transition metal antenna group. <i>Dalton Transactions</i> , 2010, 39, 10974.	1.6	37
45	Oxidative Addition of X-H (X = C, N, O) Bonds to [Ir(PMe ₃) ₄]Cl and Catalytic Hydration of Acetonitrile Using its Peroxo Derivative, [Ir(O ₂)(PMe ₃) ₄]Cl, as Catalyst Precursor. <i>Organometallics</i> , 2009, 28, 2904-2914.	1.1	57
46	Controlled preparation of a heterometallic lanthanide complex containing different lanthanides in symmetrical binding pockets. <i>Chemical Communications</i> , 2009, , 6020.	2.2	72
47	Changing the local coordination environment in mono- and bi-nuclear lanthanide complexes through click-chemistry. <i>Dalton Transactions</i> , 2009, , 6283.	1.6	73
48	Synthesis and Spectroscopic Studies on Azo-Dye Derivatives of Polymetallic Lanthanide Complexes: Using Diazotization to Link Metal Complexes Together. <i>Journal of the American Chemical Society</i> , 2009, 131, 9916-9917.	6.6	72
49	Synthesis of Biodegradable Materials and Chemical Sensors Via Romp. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2009, , 263-277.	0.5	1
50	Investigation of factors affecting ruthenium complexation in ROMP reactions of oxygen-containing norbornene derivatives using Grubbs first generation initiator. <i>Journal of Molecular Catalysis A</i> , 2008, 280, 29-34.	4.8	16
51	Using the Ugi multicomponent condensation reaction to prepare families of chromophore appended azamacrocycles and their complexes. <i>Chemical Communications</i> , 2008, , 5212.	2.2	35
52	¹⁹ F NMR based pH probes: lanthanide(III) complexes with pH-sensitive chemical shifts. <i>Chemical Communications</i> , 2008, , 2514.	2.2	79
53	Synthesis and Spectroscopic Properties of a Prototype Single Molecule Dual Imaging Agent Comprising a Heterobimetallic Rhenium-Gadolinium Complex. <i>Journal of the American Chemical Society</i> , 2008, 130, 2178-2179.	6.6	131
54	Responsive fluorinated lanthanide probes for ¹⁹ F magnetic resonance spectroscopy. <i>Chemical Communications</i> , 2007, , 2923.	2.2	51

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55	Synthesis, Characterization, and Hydrolytic Degradation of Polylactide-Functionalized Polyoxanorbornenes. <i>Macromolecules</i> , 2007, 40, 1444-1452.	2.2	41
56	The synthesis and structural characterisation of the mercury (II) halide complexes of the phosphorus ylide carbethoxymethylenetriphenylphosphorane. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1081-1086.	0.8	36
57	Entanglement Transition of Randomly Branched Polymers in the Hyperbranched Class. <i>Macromolecules</i> , 2006, 39, 6720-6736.	2.2	13
58	Synthesis and Radical Polymerization of 1,1-Difluoro-2-vinylcyclopropane: A Reexamination and Structural Reassignment. <i>Macromolecules</i> , 2006, 39, 4076-4080.	2.2	11
59	Synthesis and radical ring opening behaviour of 1,1-difluoro-2-heptyl-2-vinylcyclopropane and some of its isomers. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 1533-1539.	0.9	2
60	Nature of the Propagating Species in Ring-Opening Metathesis Polymerizations of Oxygen-Containing Monomers Using Well-Defined Ruthenium Initiators. <i>Macromolecules</i> , 2005, 38, 7571-7579.	2.2	46
61	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
62	Ring Opening Metathesis Polymerizations of Norbornene and Norbornadiene Derivatives Containing Oxygen: A Study on the Regeneration of Grubbs's Catalyst. <i>ChemInform</i> , 2004, 35, no.	0.1	0
63	2D and 3D DOSY methods for studying mixtures of oligomeric dimethylsiloxanes. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3221.	1.3	56
64	Ring opening metathesis polymerisations of norbornene and norbornadiene derivatives containing oxygen: a study on the regeneration of Grubbs catalyst. <i>Tetrahedron</i> , 2004, 60, 7217-7224.	1.0	40
65	Elemental Fluorine. Part 14. Electrophilic Fluorination and Nitrogen Functionalization of Hydrocarbons. <i>ChemInform</i> , 2003, 34, no.	0.1	0
66	Synthesis and luminescence properties of dinuclear lanthanide complexes derived from covalently linked macrocyclic ligands. <i>Dalton Transactions</i> , 2003, , 3780.	1.6	61
67	Polyhalogenated heterocyclic compounds. Macrocycles from perfluoro-4-isopropylpyridine Part 50. For part 49 see ref. 1. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2137.	1.5	72
68	Synthesis and luminescence properties of a kinetically stable dinuclear ytterbium complex with differentiated binding sites Electronic supplementary information (ESI) available: ¹ H NMR spectrum of Yb ₂ L. See http://www.rsc.org/suppdata/cc/b3/b303012a/ . <i>Chemical Communications</i> , 2003, , 1550.	2.2	28
69	Elemental fluorine. Part 14.1 Electrophilic fluorination and nitrogen functionalisation of hydrocarbons. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 2190-2197.	1.3	36
70	Micellar Solubilization: Structural and Conformational Changes Investigated by ¹ H and ¹³ C Liquid-State NMR. <i>Journal of Colloid and Interface Science</i> , 2002, 251, 366-375.	5.0	35
71	Pyrolysis reactions of 4-methyl-tetrafluorophenyl and pentafluorophenyl prop-2-enyl ethers: isomeric tetrahydroinden-1-ones from both intra-molecular Diels-Alder adducts of the Claisen rearrangement reaction from the 4-Me derivative. <i>Journal of Fluorine Chemistry</i> , 2002, 113, 123-131.	0.9	5
72	Title is missing!. <i>Catalysis Letters</i> , 2002, 81, 157-161.	1.4	4

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73	Polyhalogenated heterocyclic compounds. <i>Journal of Fluorine Chemistry</i> , 2001, 111, 135-146.	0.9	26
74	Time-resolved near-IR luminescence from ytterbium and neodymium complexes of the Lehn cryptand. <i>Inorganic Chemistry Communication</i> , 2001, 4, 187-190.	1.8	82
75	Silicon-29 NMR study of the formation of monomethoxysilicic acid in methanolic alkaline silicate solutions. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 443-446.	1.1	8
76	Ring-Opening Metathesis Polymerization of 7-tert-Butoxybicyclo[2.2.1]hepta-2,5-diene Initiated by Well-Defined Molybdenum and Ruthenium Carbene Complexes. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3624-3633.	1.1	14
77	Methods for correlating T1 and FID components in wideline NMR studies of motionally heterogeneous polymer systems. <i>Solid State Nuclear Magnetic Resonance</i> , 2000, 15, 195-199.	1.5	2
78	Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes. <i>Journal of Organometallic Chemistry</i> , 2000, 606, 37-48.	0.8	20
79	Free radical chemistry. Part 10. Addition of acyclic and cyclic alkanes to hexafluoropropene. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 1623-1638.	1.3	11
80	Pyrolysis reactions of nonafluorobiphenyl-4-yl prop-2-enyl ether: a remarkable rearrangement reaction of an intramolecular Diels-Alder product. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 1731-1734.	1.3	7
81	Transesterification in Mixtures of Poly(ethylene terephthalate) and Poly(ethylene Terephthalate). <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , 2000, 38, 2974-2980.	2.2	55
82	Polyhalogenated heterocyclic compounds. Part 44. Reactions of perfluoro-(4-isopropylpyridine) with oxygen nucleophiles. <i>Arkivoc</i> , 2000, 2000, 707-719.	0.3	1
83	Pyrolysis reactions of 4-nonafluorobiphenyl prop-2-enyl ether: a remarkable rearrangement reaction. <i>Chemical Communications</i> , 1999, , 1549-1550.	2.2	1
84	Direct NMR and luminescence observation of water exchange at cationic ytterbium and europium centres. <i>Chemical Communications</i> , 1999, , 1011-1012.	2.2	30
85	The Ru(II)-CHPhCl2(PCy3)2-initiated ring-opening metathesis polymerization of 7-tert-butoxybicyclo[2.2.1]hepta-2,5-diene: regeneration of initiator and the implied formation of macrocycles. <i>Chemical Communications</i> , 1999, , 1209-1210.	2.2	16
86	¹³ C NMR spectra of tactic and atactic hydrogenated ring-opened polymers of enantiomeric and racemic endo,exo-5,6-dimethylnorbornene. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 547-553.	1.1	2
87	NMR and polymorphism of a steroidal anaesthetic. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 1837-1847.	2.0	11
88	A method for analysing proton NMR relaxation data from motionally heterogeneous polymer systems. <i>Solid State Nuclear Magnetic Resonance</i> , 1998, 12, 15-20.	1.5	29
89	Acetyl Perchlorate Mediated Rearrangement of Tri-O-benzyl-D-glucal. Evidence for a 1,6-Hydride Shift. <i>Journal of Organic Chemistry</i> , 1998, 63, 193-194.	1.7	21
90	Structure and dynamics of all of the stereoisomers of europium complexes of tetra(carboxyethyl) derivatives of dota: ring inversion is decoupled from cooperative arm rotation in the RRRR and RRRS isomers. <i>Chemical Communications</i> , 1998, , 1381-1382.	2.2	72

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91	¹³ C NMR spectra of tactic and atactic hydrogenated ring-opened polymers of enantiomeric and racemic endo,exo-5,6-dimethylnorbornene. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 547-553.	1.1	9
92	A simple "one pot" route to the hyperbranched analogues of Tomalia's poly(amidoamine) dendrimers. <i>Chemical Communications</i> , 1997, , 1877.	2.2	43
93	Synthesis, structure and cyclic content of hyperbranched polyesters. <i>Chemical Communications</i> , 1997, , 1749-1750.	2.2	44
94	Computer Simulations of the Goldman-Shen Experiment: Evaluation of Techniques for Minimizing the Influence of Spin-Lattice Relaxation. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, 290-296.	1.1	7
95	Synthesis of C-disaccharides via glucal dimerisation. <i>Tetrahedron Letters</i> , 1996, 37, 9093-9096.	0.7	13
96	CP-MAS NMR of highly mobile hydrated biopolymers: Polysaccharides of <i>Allium</i> cell walls. <i>Carbohydrate Research</i> , 1996, 288, 15-23.	1.1	25
97	Carbon-13 NMR studies of solid bisphenol-A alkanoates. <i>Journal of Molecular Structure</i> , 1995, 355, 121-133.	1.8	3
98	NMR study of plasticized PVC. <i>European Polymer Journal</i> , 1994, 30, 1089-1095.	2.6	35
99	Metathesis polymerization of 1,7,7-trimethylbicyclo [2.2.1] hept-2-ene using a well defined molybdenum initiator. <i>Journal of Molecular Catalysis</i> , 1994, 90, 87-99.	1.2	28
100	Solid-state ¹ H n.m.r. studies of polypropylene. <i>Polymer</i> , 1994, 35, 4083-4087.	1.8	43
101	Syn/anti rotamer interconversion as the rate-determining initiation step in ring-opening metathesis polymerisations using well-defined molybdenum alkylidene complexes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1399.	2.0	30
102	Motional heterogeneity and polymorphism of bisphenol-A diacetate. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, 540-547.	1.1	7
103	Interactions between PVC and solvents by longitudinal nuclear relaxation times. <i>Polymer Bulletin</i> , 1993, 30, 677-684.	1.7	5
104	Structural and spectroscopic evidence for multiple .alpha.-agostic interactions in dialkyl complexes of niobium. <i>Organometallics</i> , 1993, 12, 2549-2555.	1.1	41
105	Synthesis and properties of stereoregular fluoro polymers via ring-opening metathesis polymerization of fluorinated norbornenes and norbornadienes. An overview and progress report. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993, 66, 289-296.	0.6	21
106	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1992, 193, 2103-2111.	1.1	24
107	Variable-temperature high-resolution carbon-13 studies of molecular motion in solid bisphenol-F diglycidyl ether. <i>Magnetic Resonance in Chemistry</i> , 1992, 30, 434-439.	1.1	8
108	Cross-polarization/magic-angle spinning NMR studies of polymorphism: Cortisone acetate. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1990, 46, 927-935.	0.1	25

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109	Evaluation of the aromatic structure of coal tar pitch by solid and solution state n.m.r.. Fuel, 1989, 68, 1605-1608.	3.4	10
110	Investigation of molecular motions in a derivative of bisphenol-A diglycidyl ether by variable-temperature high-resolution solid-state carbon-13 NMR. Magnetic Resonance in Chemistry, 1987, 25, 80-83.	1.1	8
111	A comparative spectroscopic investigation of three pseudopolymorphs of testosterone using solid-state i.r. and high-resolution solid-state NMR. Spectrochimica Acta Part A: Molecular Spectroscopy, 1987, 43, 1111-1120.	0.1	40
112	A comparative spectroscopic investigation of two polymorphs of 4-methyl-2-nitroacetanilide using solid-state infrared and high-resolution solid-state nuclear magnetic resonance spectroscopy. Journal of the Chemical Society Perkin Transactions II, 1986, , 1705-1709.	0.9	34
113	Numerical simulations of the effects of spin-diffusion on NMR spin-lattice relaxation in semicrystalline polymers. Journal of Magnetic Resonance, 1986, 69, 426-439.	0.5	15
114	Non-quaternary suppression with flip-back: A useful technique for high-resolution NMR of solids. Magnetic Resonance in Chemistry, 1985, 23, 216-217.	1.1	8
115	Quantitative aspects of solid state ¹³ C n.m.r. of coals and related materials. Fuel, 1983, 62, 999-1002.	3.4	61