Alan M Kenwright

List of Publications by Year in descending order

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			109137	182168
115		3,267	35	51
papers		citations	h-index	g-index
125		125	125	3030
all docs		docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Synthesis and Spectroscopic Properties of a Prototype Single Molecule Dual Imaging Agent Comprising a Heterobimetallic Rheniumâ^'Gadolinium Complex. Journal of the American Chemical Society, 2008, 130, 2178-2179.	6.6	131
2	Design Principles and Theory of Paramagnetic Fluorineâ€Labelled Lanthanide Complexes as Probes for ¹⁹ F Magnetic Resonance: A Proofâ€ofâ€Concept Study. Chemistry - A European Journal, 2010, 16, 134-148.	1.7	98
3	Time-resolved near-IR luminescence from ytterbium and neodymium complexes of the Lehn cryptand. Inorganic Chemistry Communication, 2001, 4, 187-190.	1.8	82
4	Isostructural Series of Nine-Coordinate Chiral Lanthanide Complexes Based on Triazacyclononane. Inorganic Chemistry, 2012, 51, 8042-8056.	1.9	80
5	19F NMR based pH probes: lanthanide(iii) complexes with pH-sensitive chemical shifts. Chemical Communications, 2008, , 2514.	2.2	79
6	Changing the local coordination environment in mono- and bi- nuclear lanthanide complexes through "click―chemistry. Dalton Transactions, 2009, , 6283.	1.6	73
7	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. Chemical Communications, 1998, , 1381-1382.	2.2	72
8	Polyhalogenated heterocyclic compounds. Macrocycles from perfluoro-4-isopropylpyridinePart 50. For part 49 see ref. 1 Organic and Biomolecular Chemistry, 2003, 1, 2137.	1.5	72
9	Controlled preparation of a heterometallic lanthanide complex containing different lanthanides in symmetrical binding pockets. Chemical Communications, 2009, , 6020.	2.2	72
10	Synthesis and Spectroscopic Studies on Azo-Dye Derivatives of Polymetallic Lanthanide Complexes: Using Diazotization to Link Metal Complexes Together. Journal of the American Chemical Society, 2009, 131, 9916-9917.	6.6	72
11	Bimetallic lanthanide complexes that display a ratiometric response to oxygen concentrations. Chemical Science, 2015, 6, 2054-2059.	3.7	71
12	Critical analysis of the limitations of Bleaney's theory of magnetic anisotropy in paramagnetic lanthanide coordination complexes. Chemical Science, 2015, 6, 1655-1662.	3.7	70
13	Quantitative aspects of solid state 13C n.m.r. of coals and related materials. Fuel, 1983, 62, 999-1002.	3.4	61
14	Synthesis and luminescence properties of dinuclear lanthanide complexes derived from covalently linked macrocyclic ligands. Dalton Transactions, 2003, , 3780.	1.6	61
15	Oxidative Addition of $X\hat{a}^{\prime}H$ (X = C, N, O) Bonds to [Ir(PMe3)4]Cl and Catalytic Hydration of Acetonitrile Using its Peroxo Derivative, [Ir(O2)(PMe3)4]Cl, as Catalyst Precursor. Organometallics, 2009, 28, 2904-2914.	1.1	57
16	2D and 3D DOSY methods for studying mixtures of oligomeric dimethylsiloxanes. Physical Chemistry Chemical Physics, 2004, 6, 3221.	1.3	56
17	Transesterification in Mixtures of Poly(ethylene terephthalate) and Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ove 2000, 33, 2974-2980.	erlock 10 ⁻ 2.2	Tf 50 107 Td 55
18	Preparation and study of an f,f,f′,f′′ covalently linked tetranuclear hetero-trimetallic complex – a europium, terbium, dysprosium triad. Chemical Communications, 2013, 49, 783-785.	2.2	55

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19	Electromagnetic susceptibility anisotropy and its importance for paramagnetic NMR and optical spectroscopy in lanthanide coordination chemistry. Dalton Transactions, 2016, 45, 6782-6800.	1.6	55
20	¹⁹ Fâ€lanthanide complexes with increased sensitivity for ¹⁹ Fâ€MRI: Optimization of the MR acquisition. Magnetic Resonance in Medicine, 2011, 66, 931-936.	1.9	54
21	Probing the Structure, Conformation, and Stereochemical Exchange in a Family of Lanthanide Complexes Derived from Tetrapyridyl-Appended Cyclen. Inorganic Chemistry, 2010, 49, 7700-7709.	1.9	52
22	Spectroscopic and Crystal Field Consequences of Fluoride Binding by [Ybâ‹DTMA] ³⁺ in Aqueous Solution. Angewandte Chemie - International Edition, 2015, 54, 10783-10786.	7.2	52
23	Responsive fluorinated lanthanide probes for 19F magnetic resonance spectroscopy. Chemical Communications, 2007, , 2923.	2.2	51
24	Nature of the Propagating Species in Ring-Opening Metathesis Polymerizations of Oxygen-Containing Monomers Using Well-Defined Ruthenium Initiators. Macromolecules, 2005, 38, 7571-7579.	2.2	46
25	Synthesis, structure and cyclics content of hyperbranched polyesters. Chemical Communications, 1997, , 1749-1750.	2.2	44
26	Lanthanide appended rotaxanes respond to changing chloride concentration. Chemical Science, 2013, 4, 489-493.	3.7	44
27	Solid-state 1H n.m.r. studies of polypropylene. Polymer, 1994, 35, 4083-4087.	1.8	43
28	A simple â€~one pot' route to the hyperbranched analogues of Tomalia's poly(amidoamine) dendrimers. Chemical Communications, 1997, , 1877.	2.2	43
29	Tuning the anion binding properties of lanthanide receptors to discriminate nucleoside phosphates in a sensing array. Chemical Science, 2020, 11, 3619-3628.	3.7	43
30	Structural and spectroscopic evidence for multiple .alphaagostic interactions in dialkyl complexes of niobium. Organometallics, 1993, 12, 2549-2555.	1.1	41
31	Synthesis, Characterization, and Hydrolytic Degradation of Polylactide-Functionalized Polyoxanorbornenes. Macromolecules, 2007, 40, 1444-1452.	2.2	41
32	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
33	Ring opening metathesis polymerisations of norbornene and norbornadiene derivatives containing oxygen: a study on the regeneration of Grubbs catalyst. Tetrahedron, 2004, 60, 7217-7224.	1.0	40
34	Synthesis and photophysical properties of kinetically stable complexes containing a lanthanide ion and a transition metal antenna group. Dalton Transactions, 2010, 39, 10974.	1.6	37
35	Elemental fluorine. Part 14.1 Electrophilic fluorination and nitrogen functionalisation of hydrocarbons. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 2190-2197.	1.3	36
36	The synthesis and structural characterisation of the mercury (II) halide complexes of the phosphorus ylide carbethoxymethylenetriphenylphosphorane. Journal of Organometallic Chemistry, 2007, 692, 1081-1086.	0.8	36

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37	NMR study of plasticized PVC. European Polymer Journal, 1994, 30, 1089-1095.	2.6	35
38	Micellar Solubilization: Structural and Conformational Changes Investigated by 1H and 13C Liquid-State NMR. Journal of Colloid and Interface Science, 2002, 251, 366-375.	5.0	35
39	Using the Ugi multicomponent condensation reaction to prepare families of chromophore appended azamacrocycles and their complexes. Chemical Communications, 2008, , 5212.	2.2	35
40	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
41	Fluoride Binding and Crystalâ€Field Analysis of Lanthanide Complexes of Tetrapicolylâ€Appended Cyclen. Chemistry - A European Journal, 2016, 22, 8929-8936.	1.7	33
42	Experimental Measurement and Theoretical Assessment of Fast Lanthanide Electronic Relaxation in Solution with Four Series of Isostructural Complexes. Journal of Physical Chemistry A, 2013, 117, 905-917.	1.1	31
43	Axial fluoride binding by lanthanide DTMA complexes alters the local crystal field, resulting in dramatic spectroscopic changes. Dalton Transactions, 2015, 44, 19509-19517.	1.6	31
44	Syn/anti rotamer interconversion as the rate-determining initiation step in ring-opening metathesis polymerisations using well-defined molybdenum alkylidene complexes. Journal of the Chemical Society Chemical Communications, 1994, , 1399.	2.0	30
45	Direct NMR and luminescence observation of water exchange at cationic ytterbium and europium centres. Chemical Communications, 1999, , 1011-1012.	2.2	30
46	Using Remote Substituents to Control Solution Structure and Anion Binding in Lanthanide Complexes. Chemistry - A European Journal, 2013, 19, 16566-16571.	1.7	30
47	A method for analysing proton NMR relaxation data from motionally heterogeneous polymer systems. Solid State Nuclear Magnetic Resonance, 1998, 12, 15-20.	1.5	29
48	Metathesis polymerization of 1,7,7-trimethylbicyclo [2.2.1] hept-2-ene using a well defined molybdenum initiator. Journal of Molecular Catalysis, 1994, 90, 87-99.	1.2	28
49	Synthesis and luminescence properties of a kinetically stable dinuclear ytterbium complex with differentiated binding sitesElectronic supplementary information (ESI) available: 1H NMR spectrum of Yb2L. See http://www.rsc.org/suppdata/cc/b3/b303012a/. Chemical Communications, 2003, , 1550.	2.2	28
50	Substituent effects on fluoride binding by lanthanide complexes of DOTA-tetraamides. Dalton Transactions, 2016, 45, 3070-3077.	1.6	28
51	The maize benzoxazinone DIMBOA reacts with glutathione and other thiols to form spirocyclic adducts. Phytochemistry, 2012, 77, 171-178.	1.4	27
52	Polyhalogenated heterocyclic compounds. Journal of Fluorine Chemistry, 2001, 111, 135-146.	0.9	26
53	Cross-polarization/magic-angle spinning NMR studies of polymorphism: Cortisone acetate. Spectrochimica Acta Part A: Molecular Spectroscopy, 1990, 46, 927-935.	0.1	25
54	CP-MAS NMR of highly mobile hydrated biopolymers: Polysaccharides of Allium cell walls. Carbohydrate Research, 1996, 288, 15-23.	1.1	25

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55	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 2103-2111.	1.1	24
56	"Pure shift― ¹ H NMR, a robust method for revealing heteronuclear couplings in complex spectra. RSC Advances, 2014, 4, 8278-8282.	1.7	24
57	NMR measurements of diffusion in concentrated samples: avoiding problems with radiation damping. Analytical and Bioanalytical Chemistry, 2004, 378, 1568-1573.	1.9	23
58	Lanthanide Complexes of Azidophenacylâ€DO3A as New Synthons for Click Chemistry and the Synthesis of Heterometallic Lanthanide Arrays. Chemistry - A European Journal, 2015, 21, 5697-5699.	1.7	23
59	Lanthanide Complexes that Respond to Changes in Cyanide Concentration in Water. Angewandte Chemie - International Edition, 2017, 56, 7783-7786.	7.2	22
60	Synthesis and properties of stereoregular fluoroâ€polymers via ringâ€opening metathesis polymerization of fluorinated norbornenes and norbornadienes. An overview and progress report. Makromolekulare Chemie Macromolecular Symposia, 1993, 66, 289-296.	0.6	21
61	Acetyl Perchlorate Mediated Rearrangement of Tri-O-benzyl-d-glucal. Evidence for a 1,6-Hydride Shift. Journal of Organic Chemistry, 1998, 63, 193-194.	1.7	21
62	Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes. Journal of Organometallic Chemistry, 2000, 606, 37-48.	0.8	20
63	Challenging lanthanide relaxation theory: erbium and thulium complexes that show NMR relaxation rates faster than dysprosium and terbium analogues. Physical Chemistry Chemical Physics, 2015, 17, 16507-16511.	1.3	19
64	The Amorphous Form of Salicylsalicylic Acid: Experimental Characterization and Computational Predictability. Crystal Growth and Design, 2013, 13, 1771-1779.	1.4	17
65	Optical Properties of Heavily Fluorinated Lanthanide Tris \hat{I}^2 -Diketonate Phosphine Oxide Adducts. Inorganics, 2016, 4, 27.	1.2	17
66	Luminescence of a binuclear europium complex bearing a 4-nitrophenolate chromophore: a different way of seeing pH dependence. Chemical Communications, 2016, 52, 6111-6114.	2.2	17
67	The Ru(CHPh)Cl2(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. Chemical Communications, 1999, , 1209-1210.	2.2	16
68	Investigation of factors affecting ruthenium complexation in ROMP reactions of oxygen-containing norbornene derivatives using Grubbs first generation initiator. Journal of Molecular Catalysis A, 2008, 280, 29-34.	4.8	16
69	Spectroscopic and Crystal Field Consequences of Fluoride Binding by [Ybâ‹DTMA] < sup > 3+ < /sup > in Aqueous Solution. Angewandte Chemie, 2015, 127, 10933-10936.	1.6	16
70	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
71	Lanthanide complexes of DOTA monoamide derivatives bearing an isophthalate pendent arm. Dalton Transactions, 2011, 40, 11451.	1.6	15
72	Aggregation of Rare Earth Coordination Complexes in Solution Studied by Paramagnetic and DOSY NMR. Chemistry - A European Journal, 2018, 24, 16170-16175.	1.7	15

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73	Ring-Opening Metathesis Polymerization of 7-tert-Butoxybicyclo[2.2.1]hepta-2,5-diene Initiated by Well-Defined Molybdenum and Ruthenium Carbene Complexes. Macromolecular Chemistry and Physics, 2001, 202, 3624-3633.	1.1	14
74	Synthesis of C-disaccharides via glucal dimerisation. Tetrahedron Letters, 1996, 37, 9093-9096.	0.7	13
75	Entanglement Transition of Randomly Branched Polymers in the Hyperbranched Class. Macromolecules, 2006, 39, 6720-6736.	2,2	13
76	A mild method for the synthesis of a novel dehydrobutyrine-containing amino acid. Tetrahedron, 2014, 70, 4661-4667.	1.0	13
77	Triheterometallic Lanthanide Complexes Prepared from Kinetically Inert Lanthanide Building Blocks. European Journal of Inorganic Chemistry, 2017, 2017, 2165-2172.	1.0	13
78	NMR and polymorphism of a steroidal anaesthetic. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 1837-1847.	2.0	11
79	Free radical chemistry. Part 10. Addition of acyclic and cyclic alkanes to hexafluoropropene. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 1623-1638.	1.3	11
80	Synthesis and Radical Polymerization of 1,1-Difluoro-2-vinylcyclopropane:  A Reexamination and Structural Reassignment. Macromolecules, 2006, 39, 4076-4080.	2.2	11
81	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
82	A novel Pt(<scp>iv</scp>) mono azido mono triazolato complex evolves azidyl radicals following irradiation with visible light. Dalton Transactions, 2019, 48, 6416-6420.	1.6	10
83	Reliable, high-quality suppression of NMR signals arising from water and macromolecules: application to bio-fluid analysis. Analyst, The, 2019, 144, 7270-7277.	1.7	10
84	13C NMR spectra of tactic and atactic hydrogenated ring-opened polymers of enantiomeric and racemic endo,exo-5,6-dimethylnorbornene. Macromolecular Chemistry and Physics, 1998, 199, 547-553.	1.1	9
85	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
86	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
87	Variable-temperature high-resolution carbon-13 studies of molecular motion in solid bisphenol-F diglycidyl ether. Magnetic Resonance in Chemistry, 1992, 30, 434-439.	1.1	8
88	Silicon-29 NMR study of the formation of monomethoxysilicic acid in methanolic alkaline silicate solutions. Magnetic Resonance in Chemistry, 2001, 39, 443-446.	1.1	8
89	Strategies for the synthesis of fluorinated liquid crystal derivatives from perbromofluoroaromatic systems. Tetrahedron, 2010, 66, 9819-9827.	1.0	8
90	Preparation and complete ¹ H and ¹³ C assignment of some pentacyclo[5.4.0.0 ^{2,6} .0 ^{3,10} .0 ^{5,9}]undecaneâ€8,11â€dione (PCUD) derivatives. Magnetic Resonance in Chemistry, 2012, 50, 803-808.	1.1	8

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91	Compressed <scp>NMR</scp> : Combining compressive sampling and pure shift <scp>NMR</scp> techniques. Magnetic Resonance in Chemistry, 2018, 56, 983-992.	1.1	8
92	Separating the coherence transfer from chemical shift evolution in highâ€resolution pure shift <scp>COSY NMR</scp> . Magnetic Resonance in Chemistry, 2018, 56, 969-975.	1.1	8
93	Motional heterogeneity and polymorphism of bisphenol-A diacetate. Magnetic Resonance in Chemistry, 1993, 31, 540-547.	1.1	7
94	Computer Simulations of the Goldman-Shen Experiment: Evaluation of Techniques for Minimizing the Influence of Spin-Lattice Relaxation. Magnetic Resonance in Chemistry, 1997, 35, 290-296.	1.1	7
95	Pyrolysis reactions of nonafluorobiphenyl-4-yl prop-2-enyl ether: a remarkable rearrangement reaction of an intramolecular Diels–Alder product. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 1731-1734.	1.3	7
96	Interactions between PVC and solvents by longitudinal nuclear relaxation times. Polymer Bulletin, 1993, 30, 677-684.	1.7	5
97	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. Journal of Fluorine Chemistry, 2002, 113, 123-131.	0.9	5
98	Ultra-high dispersion NMR reveals new levels of detail. RSC Advances, 2015, 5, 52902-52906.	1.7	5
99	Title is missing!. Catalysis Letters, 2002, 81, 157-161.	1.4	4
100	The relative stabilities of cyclic dicationic derivatives of diphosphanes with three (3P) or four (4P) linked phosphorus atoms. Dalton Transactions, 2012, 41, 1165-1172.	1.6	4
101	HD-2D: routine high-dispersion two-dimensional NMR spectra at no extra cost. RSC Advances, 2016, 6, 83380-83385.	1.7	4
102	Lanthanide Complexes that Respond to Changes in Cyanide Concentration in Water. Angewandte Chemie, 2017, 129, 7891-7894.	1.6	4
103	Carbon-13 NMR studies of solid bisphenol-A alkanoates. Journal of Molecular Structure, 1995, 355, 121-133.	1.8	3
104	13C NMR spectra of tactic and atactic hydrogenated ring-opened polymers of enantiomeric and racemicendo, exo-5,6-dimethylnorbornene. Macromolecular Chemistry and Physics, 1998, 199, 547-553.	1.1	2
105	Methods for correlating T1 and FID components in wideline NMR studies of motionally heterogeneous polymer systems. Solid State Nuclear Magnetic Resonance, 2000, 15, 195-199.	1.5	2
106	Synthesis and radical ring opening behaviour of 1,1-difluoro-2-heptyl-2-vinylcyclopropane and some of its isomers. Journal of Fluorine Chemistry, 2006, 127, 1533-1539.	0.9	2
107	Pyrolysis reactions of 4-nonafluorobiphenyl prop-2-enyl ether: a remarkable rearrangement reaction. Chemical Communications, 1999, , 1549-1550.	2.2	1
108	Coherence transfer delay optimisation in PSYCOSY experiments. Magnetic Resonance in Chemistry, 2020, 58, 51-55.	1,1	1

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109	Solution-state behaviour of algal mono-uronates evaluated by pure shift and compressive sampling NMR techniques. Carbohydrate Research, 2020, 495, 108087.	1.1	1
110	Synthesis of Biodegradable Materials and Chemical Sensors Via Romp. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 263-277.	0.5	1
111	Polyhalogenated heterocyclic compounds. Part 44. Reactions of perfluoro-(4-isopropylpyridine) with oxygen nucleophiles. Arkivoc, 2000, 2000, 707-719.	0.3	1
112	Elemental Fluorine. Part 14. Electrophilic Fluorination and Nitrogen Functionalization of Hydrocarbons ChemInform, 2003, 34, no.	0.1	0
113	Ring Opening Metathesis Polymerizations of Norbornene and Norbornadiene Derivatives Containing Oxygen: A Study on the Regeneration of Grubbs′ Catalyst ChemInform, 2004, 35, no.	0.1	0
114	Amorphism and Thermal Decomposition of Salicylsalicylic Acid—AÂCautionary Tale. Journal of Pharmaceutical Sciences, 2016, 105, 3073-3078.	1.6	0
115	Triheterometallic Lanthanide Complexes Prepared from Kinetically Inert Lanthanide Building Blocks. European Journal of Inorganic Chemistry, 2017, 2017, 2164-2164.	1.0	O