

# Joop A Peters

## List of Publications by Year in descending order

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210  
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citations

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49  
h-index

51492

86  
g-index

219  
all docs

219  
docs citations

219  
times ranked

8172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lanthanopolyoxometalate@Silica Core/Shell Nanoparticles as Potential MRI Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3458-3465.	1.0	2
2	Mn(III) porphyrins as potential MRI contrast agents for diagnosis and MRI-guided therapy. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214069.	9.5	18
3	The chemical consequences of the gradual decrease of the ionic radius along the Ln-series. <i>Coordination Chemistry Reviews</i> , 2020, 406, 213146.	9.5	64
4	Relaxivity of manganese ferrite nanoparticles. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2020, 120-121, 72-94.	3.9	18
5	A Semi-Empirical Method for the Estimation of the Hydration Number of Mn(II)-Complexes. <i>Inorganics</i> , 2018, 6, 116.	1.2	15
6	Surface PEG Grafting Density Determines Magnetic Relaxation Properties of Gd-Loaded Porous Nanoparticles for MR Imaging Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23458-23465.	4.0	14
7	The reliability of parameters obtained by fitting of $^1\text{H}$ NMRD profiles and $^{17}\text{O}$ NMR data of potential $\text{Gd}^{3+}$ -based MRI contrast agents. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 160-168.	0.4	15
8	Highly selective naked-eye anion sensors based on thioureido or amido calix[4]arenes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016, 71, 113-118.	0.3	6
9	Tetrahedral boronates as basic catalysts in the aldol reaction. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2015, 70, 587-595.	0.3	3
10	Prototropic Exchange Governs $T_1$ and $T_2$ Relaxivities of a Potential MRI Contrast Agent Nanozeolite $\text{Gd}^{\text{III}}$ -LTL with a High pH Responsiveness. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5080-5089.	1.5	18
11	Nanozeolite@LTL with $\text{Gd}^{\text{III}}$ Deposited in the Large and $\text{Eu}^{\text{III}}$ in the Small Cavities as a Magnetic Resonance Optical Imaging Probe. <i>Chemistry - A European Journal</i> , 2014, 20, 3358-3364.	1.7	15
12	Interactions between boric acid derivatives and saccharides in aqueous media: Structures and stabilities of resulting esters. <i>Coordination Chemistry Reviews</i> , 2014, 268, 1-22.	9.5	174
13	Gadolinium oxysulfide nanoparticles as multimodal imaging agents for $T_2$ -weighted MR, X-ray tomography and photoluminescence. <i>Nanoscale</i> , 2014, 6, 555-564.	2.8	59
14	Aldol reactions mediated by a tetrahedral boronate. <i>Chemical Communications</i> , 2013, 49, 361-363.	2.2	11
15	$^{17}\text{O}$ NMR and Density Functional Theory Study of the Dynamics of the Carboxylate Groups in DOTA Complexes of Lanthanides in Aqueous Solution. <i>Inorganic Chemistry</i> , 2012, 51, 170-178.	1.9	35
16	A concise synthesis procedure to furnish multi-gram amounts of hexadentate, bivalent DO2A-based chelators. <i>RSC Advances</i> , 2012, 2, 7156.	1.7	6
17	Lanthanide Loaded Zeolites, Clays, and Mesoporous Silica Materials as MRI Probes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1961-1974.	1.0	50
18	Supramolecular Adducts of Negatively Charged Lanthanide(III) DOTA Chelates and Cyclodextrins Functionalized with Ammonium Groups: Mass Spectrometry and Nuclear Magnetic Resonance Studies. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2087-2098.	1.0	6

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19	Microwave-Assisted Seeded Growth of Lanthanide-Based Nanoparticles for Imaging and Therapy. <i>Chemistry - A European Journal</i> , 2012, 18, 8004-8007.	1.7	8
20	Metal binding calixarenes with potential biomimetic and biomedical applications. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2727-2745.	9.5	84
21	The Gd <sup>3+</sup> complex of 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid mono(iso-thiocyanatoanilide) conjugated to inulin: a potential stable macromolecular contrast agent for MRI. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 482-491.	0.4	13
22	Development of a liposomal delivery system for temperature-triggered release of a tumor targeting agent, Ln(III)-DOTA-phenylboronate. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1123-1130.	1.4	29
23	MRI contrast agents based on dysprosium or holmium. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2011, 59, 64-82.	3.9	116
24	Towards MRI contrast agents responsive to Ca <sup>2+</sup> and Mg <sup>2+</sup> ions: metal-induced oligomerization of dota-bisphosphonate conjugates. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 294-296.	0.4	21
25	Glycoconjugate probes and targets for molecular imaging using magnetic resonance. <i>Future Medicinal Chemistry</i> , 2010, 2, 409-425.	1.1	8
26	Liposomes with conjugates of a calix[4]arene and a Gd-DOTA derivative on the outside surface; an efficient potential contrast agent for MRI. <i>Chemical Communications</i> , 2010, 46, 4399.	2.2	27
27	Fine Tuning of the Relaxometry of $^{57}\text{Fe}_2\text{O}_3/\text{SiO}_2$ Nanoparticles by Tweaking the Silica Coating Thickness. <i>ACS Nano</i> , 2010, 4, 5339-5349.	7.3	141
28	Evaluation of [Ln(H <sub>2</sub> omp)(H <sub>2</sub> O)] Metal Organic Framework Materials for Potential Application as Magnetic Resonance Imaging Contrast Agents. <i>Inorganic Chemistry</i> , 2010, 49, 2969-2974.	1.9	75
29	Densely packed Gd(III)-chelates with fast water exchange on a calix[4]arene scaffold: a potential MRI contrast agent. <i>Dalton Transactions</i> , 2010, 39, 185-191.	1.6	36
30	Kinetics and Thermodynamics of Adsorption on Hydroxyapatite of the $^{160}\text{Tb}$ Terbi-um Complexes of the Bone-Targeting Ligands DOTP and BPPED. <i>Langmuir</i> , 2009, 25, 2294-2301.	1.6	59
31	<sup>1</sup> H NMR relaxivity of aqueous suspensions of titanium dioxide nanoparticles coated with a gadolinium(III) chelate of a DOTA-monoamide with a phenylphosphonate pendant arm. <i>Journal of Materials Chemistry</i> , 2009, 19, 1494.	6.7	17
32	Calix[4]arenes as Molecular Platforms for Magnetic Resonance Imaging (MRI) Contrast Agents. <i>Chemistry - A European Journal</i> , 2009, 15, 3290-3296.	1.7	42
33	NMR Characterization of Lanthanide(3+) Complexes of Tetraazatetrakisphosphinato and Tetraazatetraakisphosphonato Ligands. <i>Helvetica Chimica Acta</i> , 2009, 92, 2532-2551.	1.0	16
34	Lanthanide(III) Complexes of Phosphorus Acid Analogues of H <sub>4</sub> DOTA as Model Compounds for the Evaluation of the Second-Sphere Hydration. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 119-136.	1.0	55
35	Structural Study of Ga(III), In(III), and Fe(III) Complexes of Triaza-Macrocyclic Based Ligands with N3S3 Donor Set. <i>Inorganic Chemistry</i> , 2009, 48, 3257-3267.	1.9	23
36	PAMAM Dendrimers Conjugated with an Uncharged Gadolinium(III) Chelate with a Fast Water Exchange: The Influence of Chelate Charge on Rotational Dynamics. <i>Bioconjugate Chemistry</i> , 2009, 20, 2142-2153.	1.8	31

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37	Gd(III) complex of a monophosphinate-bis(phosphonate) DOTA analogue with a high relaxivity; Lanthanide(III) complexes for imaging and radiotherapy of calcified tissues. Dalton Transactions, 2009, , 3204.	1.6	37
38	<sup>31</sup> P NMR study of the valence stability of tin in its 1-hydroxyethylene-diphosphonate (HEDP) and N,N,N',N'-trimethylenephosphonate-polyethyleneimine (PEI-MP) complexes. Polyhedron, 2008, 27, 1779-1786.	1.0	11
39	Thermal decomposition and hydrolysis of polyacrylamide-co-tert-butyl acrylate. European Polymer Journal, 2008, 44, 1225-1237.	2.6	27
40	Complexes of DOTA-Bisphosphonate Conjugates: Probes for Determination of Adsorption Capacity and Affinity Constants of Hydroxyapatite. Langmuir, 2008, 24, 1952-1958.	1.6	31
41	Lanthanide(III) Complexes of Bis(phosphonate) Monoamide Analogues of DOTA: Bone-Seeking Agents for Imaging and Therapy. Journal of Medicinal Chemistry, 2008, 51, 677-683.	2.9	65
42	NMR Transversal relaxivity of aqueous suspensions of particles of Ln <sup>3+</sup> -based zeolite type materials. Dalton Transactions, 2008, , 2241.	1.6	14
43	The structure of the lanthanide aquo ions in solution as studied by <sup>17</sup> O NMR spectroscopy and DFT calculations. Dalton Transactions, 2008, , 602-607.	1.6	46
44	Tuning of the Size of Dy <sub>2</sub> O <sub>3</sub> Nanoparticles for Optimal Performance as an MRI Contrast Agent. Journal of the American Chemical Society, 2008, 130, 5335-5340.	6.6	117
45	NMR Transversal Relaxivity of Suspensions of Lanthanide Oxide Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 10240-10246.	1.5	67
46	<sup>1</sup> H Relaxivity of Water in Aqueous Suspensions of Gd <sup>3+</sup> -Loaded NaY Nanozeolites and AlTUD-1 Mesoporous Material: The Influence of Si/Al Ratio and Pore Size. Inorganic Chemistry, 2007, 46, 6190-6196.	1.9	30
47	Phenylboronate Tb complexes for molecular recognition of glycoproteins expressed on tumor cells. Contrast Media and Molecular Imaging, 2007, 2, 35-41.	0.4	30
48	How to determine the number of inner-sphere water molecules in Lanthanide(III) complexes by <sup>17</sup> O NMR spectroscopy. A technical note. Contrast Media and Molecular Imaging, 2007, 2, 67-71.	0.4	48
49	Molecular recognition of sugars by lanthanide (III) complexes of a conjugate of N,N'-bis[2-(1,1-dimethylethoxy)ethyl]amino]ethyl]glycine and phenylboronic acid. Contrast Media and Molecular Imaging, 2007, 2, 163-171.	0.4	17
50	Pyridine- and Phosphonate-Containing Ligands for Stable Ln Complexation. Extremely Fast Water Exchange on the Gd(III) Chelates. Inorganic Chemistry, 2006, 45, 8719-8728.	1.9	87
51	Investigation of a High Temperature Organic Water Shutoff Gel: Reaction Mechanisms. SPE Journal, 2006, 11, 497-504.	1.7	85
52	Zr-TUD-1: A novel heterogeneous catalyst for the Meerwein-Ponndorf-Verley reaction. Journal of Molecular Catalysis A, 2006, 260, 62-69.	4.8	41
53	Structure and Dynamics of Lanthanide Complexes of Triethylenetetramine-N,N,N',N',N',N'-hexaacetic Acid (H6ttha) and of Diamides H4ttha(NHR) Derived from H6ttha as Studied by NMR, NMRD, and EPR. Helvetica Chimica Acta, 2005, 88, 618-632.	1.0	17
54	Lanthanide(III) Complexes of a Mono(methylphosphonate) Analogue of H4dota: The Influence of Protonation of the Phosphonate Moiety on the TSAP/SAP Isomer Ratio and the Water Exchange Rate. Chemistry - A European Journal, 2005, 11, 2373-2384.	1.7	110

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55	Molecular Recognition of Sialic Acid End Groups by Phenylboronates. <i>Chemistry - A European Journal</i> , 2005, 11, 4010-4018.	1.7	124
56	Gadolinium(III)-Loaded Nanoparticulate Zeolites as Potential High-Field MRI Contrast Agents: Relationship Between Structure and Relaxivity. <i>Chemistry - A European Journal</i> , 2005, 11, 4799-4807.	1.7	42
57	Enzymatic kinetic resolution of tropic acid. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3892-3896.	1.8	24
58	RELAXATION BY METAL-CONTAINING NANOSYSTEMS. <i>Advances in Inorganic Chemistry</i> , 2005, 57, 239-292.	0.4	48
59	Combined epimerisation and acylation: Meerweinâ€Ponndorfâ€Verleyâ€Oppenauer catalysts in action. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 483-489.	1.5	31
60	NMR relaxivity of Ln <sup>3+</sup> -based zeolite-type materials. <i>Journal of Materials Chemistry</i> , 2005, 15, 3832.	6.7	22
61	The highest water exchange rate ever measured for a Gd(III) chelate. <i>Chemical Communications</i> , 2005, , 4729.	2.2	39
62	A Bisphosphonate Monoamide Analogue of DOTA: A Potential Agent for Bone Targeting. <i>Journal of the American Chemical Society</i> , 2005, 127, 16477-16485.	6.6	130
63	The rationalization of catalyst behaviour in the reductive amination of benzaldehyde with ammonia using a simple computer model. <i>Applied Catalysis A: General</i> , 2004, 261, 119-125.	2.2	26
64	Mechanism of Homogeneously and Heterogeneously Catalysed Meerweinâ€Ponndorfâ€Verleyâ€Oppenauer Reactions for the Racemisation of Secondary Alcohols. <i>Chemistry - A European Journal</i> , 2004, 10, 2088-2093.	1.7	92
65	A Caged Lanthanide Complex as a Paramagnetic Shift Agent for Protein NMR. <i>Chemistry - A European Journal</i> , 2004, 10, 3252-3260.	1.7	93
66	Lanthanide Chelates Containing Pyridine Units with Potential Application as Contrast Agents in Magnetic Resonance Imaging. <i>Chemistry - A European Journal</i> , 2004, 10, 3579-3590.	1.7	107
67	Towards Targeted MRI: New MRI Contrast Agents for Sialic Acid Detection. <i>Chemistry - A European Journal</i> , 2004, 10, 5205-5217.	1.7	62
68	Hydrothermal upgrading of biomass to biofuel; studies on some monosaccharide model compounds. <i>Carbohydrate Research</i> , 2004, 339, 1717-1726.	1.1	269
69	A Gadolinium(III) Complex of a Carboxylic-Phosphorus Acid Derivative of Diethylenetriamine Covalently Bound to Inulin, a Potential Macromolecular MRI Contrast Agent. <i>Bioconjugate Chemistry</i> , 2004, 15, 881-889.	1.8	66
70	X-ray Crystal Structure of a Sodium Salt of [Gd(DOTP)] <sup>5-</sup> : Implications for Its Second-Sphere Relaxivity and the <sup>23</sup> Na NMR Hyperfine Shift Effects of [Tm(DOTP)] <sup>5-</sup> . <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 4179-4186.	1.0	66
71	NMR study of the synthesis of <sup>17</sup> O-enriched acetic acid by hydrolysis of acetic anhydride with <sup>17</sup> O-enriched water. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 959-961.	1.1	1
72	Zeolite GdNaY Nanoparticles with Very High Relaxivity for Application as Contrast Agents in Magnetic Resonance Imaging. <i>ChemInform</i> , 2003, 34, no.	0.1	0

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73	The Reductive Amination of Aldehydes and Ketones and the Hydrogenation of Nitriles: Mechanistic Aspects and Selectivity Control. <i>ChemInform</i> , 2003, 34, no.	0.1	1
74	The Structure of the Sugar Residue in Glycated Human Serum Albumin and Its Molecular Recognition by Phenylboronate. <i>Chemistry - A European Journal</i> , 2003, 9, 2193-2199.	1.7	52
75	Lanthanide(III) Complexes of Novel Mixed Carboxylic-Phosphorus Acid Derivatives of Diethylenetriamine: A Step towards More Efficient MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2003, 9, 5899-5915.	1.7	83
76	High-throughput experimentation as a tool in catalyst design for the reductive amination of benzaldehyde. <i>Applied Catalysis A: General</i> , 2003, 254, 77-84.	2.2	25
77	THE LANTHANIDES. <i>Chemical &amp; Engineering News</i> , 2003, 81, 136-137.	0.2	1
78	Stability, structure and dynamics of cationic lanthanide(iii) complexes of N,Nâ€²-bis(propylamide)ethylenediamine-N,Nâ€²-diacetic acid. <i>Dalton Transactions</i> , 2003, , 727-737.	1.6	32
79	Buchbesprechung: Hostâ€™Guest Chemistry. Mimetic Approaches to Study Carbohydrate Recognition. (Serie: Topics in Current Chemistry.) Herausgegeben von Soledad PenadÃ©s. <i>Angewandte Chemie</i> , 2002, 114, 4779-4780.	1.6	0
80	Zeolite GdNaY Nanoparticles with Very High Relaxivity for Application as Contrast Agents in Magnetic Resonance Imaging. <i>Chemistry - A European Journal</i> , 2002, 8, 5121-5131.	1.7	119
81	The Reductive Amination of Aldehydes and Ketones and the Hydrogenation of Nitriles: Mechanistic Aspects and Selectivity Control. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 1037-1057.	2.1	494
82	Title is missing!. <i>Catalysis Letters</i> , 2002, 84, 1-5.	1.4	36
83	Structures of MRI Contrast Agents in Solution. <i>Topics in Current Chemistry</i> , 2002, , 25-60.	4.0	15
84	Synthesis, Characterization, and Relaxivity of Two Linear Gd(DTPA)âˆ™Polymer Conjugates. <i>Bioconjugate Chemistry</i> , 2001, 12, 170-177.	1.8	53
85	Comparison of two MCM-41 grafted TEMPO catalysts in selective alcohol oxidation. <i>Applied Catalysis A: General</i> , 2001, 213, 73-82.	2.2	125
86	Determination of paramagnetic lanthanide(III) concentrations from bulk magnetic susceptibility shifts in NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 723-726.	1.1	183
87	Relaxivity Studies on a Gadolinium(III) Complex of a Macrocyclic DTPA Derivative. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 3101-3105.	1.0	18
88	A Clean Conversion of D-Glucosamine Hydrochloride to a Pyrazine in the Presence of Phenylboronate or Borate. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 3899-3901.	1.2	41
89	Inulin as a Carrier for Contrast Agents in Magnetic Resonance Imaging. <i>Chemistry - A European Journal</i> , 2001, 7, 64-71.	1.7	34
90	Zirconium(IV) Complexes of Oxydiacetic Acid in Aqueous Solution and in the Solid State as Studied by Multinuclear NMR and X-ray Crystallography. <i>Chemistry - A European Journal</i> , 2001, 7, 657-663.	1.7	12

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91	Relaxivity and Water Exchange Studies of a Cationic Macrocyclic Gadolinium(III) Complex. Chemistry - A European Journal, 2001, 7, 1383-1389.	1.7	21
92	One-Step Synthesis of a Highly Active, Mesoporous, Titanium-Containing Silica by Using Bifunctional Templating. Chemistry - A European Journal, 2001, 7, 1437-1443.	1.7	101
93	The combined hydrolysis and hydrogenation of inulin catalyzed by bifunctional Ru/C. Carbohydrate Research, 2001, 330, 381-390.	1.1	45
94	Partial Transformation of MCM-41 Material into Zeolites: Formation of Nanosized MFI Type Crystallites. Chemistry of Materials, 2001, 13, 683-687.	3.2	116
95	A Clean Conversion of D-Glucosamine Hydrochloride to a Pyrazine in the Presence of Phenylboronate or Borate. , 2001, 2001, 3899.		4
96	Preparation of Dextran-Based Macromolecular Chelates for Magnetic Resonance Angiography. , 2001, , 219-229.		1
97	The Reductive Amination of Benzaldehyde Over Pd/C Catalysts: Mechanism and Effect of Carbon Modifications on the Selectivity. European Journal of Organic Chemistry, 2000, 2000, 2501-2506.	1.2	67
98	Hydrogenation of fructose on Ru/C catalysts. Carbohydrate Research, 2000, 328, 449-457.	1.1	61
99	Competitive adsorption of water and toluene on modified activated carbon supports. Applied Catalysis A: General, 2000, 194-195, 193-202.	2.2	51
100	Ion-Pair Interactions of Lanthanide(III) Complexes in Aqueous Solutions. Inorganic Chemistry, 2000, 39, 4802-4808.	1.9	16
101	Key Role of the Interface Gel Support in the Synthesis of Zeolitic Coatings. Langmuir, 2000, 16, 3993-4000.	1.6	9
102	Factors effecting the hydrogenation of fructose with a water soluble Ru-TPPTS complex. A comparison between homogeneous and heterogeneous catalysis. Journal of Molecular Catalysis A, 1999, 142, 17-26.	4.8	38
103	A study on the stability of MCM-41-supported heteropoly acids under liquid- and gas-phase esterification conditions. Microporous and Mesoporous Materials, 1999, 27, 365-371.	2.2	166
104	Interactions Between Cyclodextrins and Tm(III) Chelates of Polyazamacrocycles as Studied by NMR in Aqueous Solution. , 1999, 1999, 287-293.		13
105	Structures of Dysprosium(III) Triflates in Water, Methanol, and 2-Propanol As Studied by <sup>17</sup> O and <sup>19</sup> F NMR Spectroscopy. Inorganic Chemistry, 1999, 38, 3080-3084.	1.9	19
106	MCM-41 supported TEMPO as an environmentally friendly catalyst in alcohol oxidation. Studies in Surface Science and Catalysis, 1999, 125, 465-472.	1.5	34
107	The platinum-catalyzed oxidation of inulin. Carbohydrate Research, 1998, 306, 197-203.	1.1	22
108	Preparation of O-(Aminopropyl)inulin. Carbohydrate Research, 1998, 310, 109-115.	1.1	14



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109	Multinuclear NMR study of the interactions between the La(III) complex of DTPA-bis(glucamide) and Zn(II) or borate. <i>Inorganica Chimica Acta</i> , 1998, 268, 249-255.	1.2	15
110	Potentiometric and NMR spectroscopic study of protonations and amide hydrogen exchange rates of DTPA-bis(butylamide), DTPA-bis(glucamide), and their lanthanide(III) complexes. <i>Inorganica Chimica Acta</i> , 1998, 277, 193-201.	1.2	10
111	Synthesis of Carbamoyl ethyl Inulin and Carboxyethyl Inulin. <i>Starch/Staerke</i> , 1998, 50, 98-100.	1.1	0
112	Modification of inulin with amidoxime groups and coordination with copper(II) ions. <i>Carbohydrate Polymers</i> , 1998, 37, 209-214.	5.1	21
113	Preparation of (2R,4R,6R,8R)-1,9-Dihydroxy-3,5,7-trioxanonane-2,4,6,8-tetracarboxylic Acid and Its Complexation with Lanthanide(III) Cations, As Studied by Multinuclear Magnetic Resonance Spectroscopy. <i>Inorganic Chemistry</i> , 1998, 37, 2400-2404.	1.9	1
114	Reductive etherification of substituted cyclohexanones with secondary alcohols catalysed by zeolite H-MCM-22. <i>Chemical Communications</i> , 1997, , 1989.	2.2	38
115	Structures and Dynamics of Lanthanide(III) Complexes of Sugar-Based DTPA-bis(amides) in Aqueous Solution: A Multinuclear NMR Study. <i>Inorganic Chemistry</i> , 1997, 36, 2527-2538.	1.9	83
116	Intermolecular interactions of highly stable paramagnetic lanthanide(III) chelates as studied by nuclear magnetic resonance spectroscopy. <i>Inorganica Chimica Acta</i> , 1997, 262, 167-176.	1.2	22
117	Distribution of substituents in O-carboxymethyl and O-cyanoethyl ethers of inulin. <i>Carbohydrate Research</i> , 1997, 302, 203-212.	1.1	16
118	The oxidation of fructose on Pt/C catalysts. the formation of d-threo-hexo-2,5-diulose and the effect of additives. <i>Carbohydrate Research</i> , 1997, 304, 155-164.	1.1	29
119	Complexation of Ln(III) and Ca(II) Cations with 3,4-Dicarboxyinulin and Model Compounds: Methyl 3,4-Dicarboxy- $\beta$ -D-fructofuranoside and 3,4-Dicarboxynystose, As Studied by Multinuclear Magnetic Resonance Spectroscopy and Potentiometry. <i>Inorganic Chemistry</i> , 1996, 35, 5703-5710.	1.9	4
120	Multinuclear Magnetic Resonance Study on the Structure and Dynamics of Lanthanide(III) Complexes of Cyclic DTPA Derivatives in Aqueous Solution. <i>Inorganic Chemistry</i> , 1996, 35, 7679-7683.	1.9	26
121	Carboxymethyl inulin: A new inhibitor for calcium carbonate precipitation. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1996, 73, 55-62.	0.8	73
122	Coordination of Cd(II) by N-alkylamino sugars in aqueous solution as studied by potentiometry and NMR spectroscopy. <i>Carbohydrate Research</i> , 1996, 284, 159-168.	1.1	3
123	Coordination of monocarboxylates in lanthanide(III) complexes. <i>Inorganica Chimica Acta</i> , 1996, 245, 51-57.	1.2	9
124	Lanthanide induced shifts and relaxation rate enhancements. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1996, 28, 283-350.	3.9	470
125	Synthesis of Cyanoethyl Inulin, Aminopropyl Inulin and Carboxyethyl Inulin. <i>Starch/Staerke</i> , 1996, 48, 191-195.	1.1	19
126	La(III)-Induced Addition of Tetrahydrofurfuryl Alcohol, Tetrahydropyran-2-ylmethanol, D-Gluconate, Methanol and Ethanol to Maleate. <i>Acta Chemica Scandinavica</i> , 1996, 50, 825-831.	0.7	1



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127	Selective alkaline oxidative degradation of mono- and di-saccharides by hydrogen peroxide using borate as catalyst and protecting group. Carbohydrate Research, 1995, 267, 65-77.	1.1	21
128	Carboxymethylation of inulin. Carbohydrate Research, 1995, 271, 101-112.	1.1	86
129	A convenient spreadsheet approach to the calculation of stability constants and the simulation of kinetics. Computers & Chemistry, 1995, 19, 409-416.	1.2	26
130	The Hydrolysis of Trimetaphosphate Catalyzed by Lanthanide(III) Aminopolycarboxylate Complexes: Coordination, Stability, and Reactivity of Intermediate Complexes. Journal of the American Chemical Society, 1995, 117, 375-382.	6.6	29
131	Lanthanide(III)-Catalyzed Synthesis of 2-(Carboxymethyl)-2,4-(R),5-(R)-tricarboxy-1,3-dioxolane and Its Coordination to Lanthanide(III) and Calcium(II). Inorganic Chemistry, 1995, 34, 1756-1763.	1.9	21
132	Catalytic conversions in water: $^{17}\text{O}$ , $^1\text{H}$ NMR and $^{35}\text{Cl}$ NMR study of a novel stoichiometric redox reaction between $\text{PdCl}_2$ , tppts and $\text{H}_2\text{O}$ [tppts = $\text{P}(\text{C}_6\text{H}_4\text{-m-SO}_3\text{Na})_3$ ]. Journal of the Chemical Society Chemical Communications, 1995, , 1105.	2.0	39
133	Meerwein-Ponndorf-Verley Reductions and Oppenauer Oxidations: An Integrated Approach. Synthesis, 1994, 1994, 1007-1017.	1.2	456
134	Reductive amination of aldohexoses with mono- and bifunctional alkyl amines: conversion of carbohydrates into EDTA type complexing agents. Tetrahedron, 1994, 50, 8103-8116.	1.0	15
135	Methyl $\pm$ -D-fructofuranoside: Synthesis and conversion into carboxylates. Tetrahedron: Asymmetry, 1994, 5, 2475-2484.	1.8	19
136	Chiral induction in lanthanide(III) alkoxide catalysed Meerwein-Ponndorf-Verley reductions. Recueil Des Travaux Chimiques Des Pays-Bas, 1994, 113, 488-491.	0.0	15
137	Determination of stability constants of metal complexes from NMR chemical shifts and relaxation rates using a spreadsheet computer program. Magnetic Resonance in Chemistry, 1994, 32, 691-698.	1.1	8
138	The structure and (local) stability constants of borate esters of mono- and di-saccharides as studied by $^{11}\text{B}$ and $^{13}\text{C}$ NMR spectroscopy. Carbohydrate Research, 1994, 253, 1-12.	1.1	186
139	Coordination study of d-xylo 5-hexulosonic acid with borate, molybdate and tungstate in aqueous solution by nuclear magnetic resonance spectroscopy. Inorganica Chimica Acta, 1994, 221, 69-77.	1.2	12
140	Multinuclear NMR study of the complexation of d-galactaric and d-mannaric acids with molybdenum(VI). Polyhedron, 1994, 13, 1825-1833.	1.0	26
141	MULTINUCLEAR NMR STUDY OF COMPLEXATION OF D-GALACTARIC AND D-MANNARIC ACIDS WITH TUNGSTEN(VI) OXOIONS. Journal of Coordination Chemistry, 1994, 33, 319-329.	0.8	26
142	Selective alkaline oxidative degradation of mono- and di-saccharides by $\text{H}_2\text{O}_2$ with borate as catalyst and protecting group. Journal of the Chemical Society Perkin Transactions 1, 1994, , 1117.	0.9	5
143	Formation of borate esters from, and sequestration of metal ions by, bis(polyhydroxyalkyl)amines and their N-carboxymethyl derivatives studied by $^{11}\text{B}$ and $^{13}\text{C}$ NMR spectroscopy. Carbohydrate Research, 1993, 243, 259-271.	1.1	8
144	Multinuclear NMR studies of some oxomolybdenum(VI) complexes with polyaminocarboxylates. Inorganica Chimica Acta, 1993, 208, 123-133.	1.2	5

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145	The influence of pH on the coordination of copper(II) by 2-amino-2-deoxy-D-gluconate and 2-amino-2-deoxy-D-glucose oxime as studied by <sup>1</sup> H and <sup>13</sup> C NMR relaxation rate measurements and EPR spectroscopy. <i>Inorganica Chimica Acta</i> , 1993, 205, 1-7.	1.2	13
146	Reactions of hydroxyglycines. New synthetic routes to 4-phenylquinazoline derivatives. <i>Tetrahedron</i> , 1993, 49, 6899-6912.	1.0	20
147	The addition of hydroxyl compounds to unsaturated carboxylic acids homogeneously catalysed by lanthanide(III). <i>Tetrahedron</i> , 1993, 49, 3149-3164.	1.0	8
148	Multinuclear magnetic resonance study of the structure and dynamics of lanthanide(III) complexes of the bis(propylamide) of diethylenetriaminepentaacetic acid in aqueous solution. <i>Inorganic Chemistry</i> , 1993, 32, 2426-2432.	1.9	73
149	A Multinuclear NMR Study of the Inner- and Outer-Sphere Character and of the Polarization of Conjugated Unsaturated Carboxylates in Lanthanide(III) Complexes. <i>Radiochimica Acta</i> , 1993, 61, 195-200.	0.5	2
150	Multinuclear magnetic resonance study of the complexation of lanthanide(III) cations with tetrahydropyran-2-methanol. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 1139.	1.1	5
151	Determination of the number of inner-sphere water molecules in lanthanide(III) polyaminocarboxylate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 463.	1.1	96
152	Use of fluorescent probes for the investigation of solutions: the case of europium(III) carboxymethoxysuccinate complexes. <i>Journal of Alloys and Compounds</i> , 1992, 180, 183-191.	2.8	1
153	The reaction of glyoxylic acid with ammonia revisited. <i>Journal of Organic Chemistry</i> , 1992, 57, 3916-3921.	1.7	32
154	Metal ion sequestering by borate-(amino)polyhydroxy oxime systems in aqueous solution; a <sup>11</sup> B, <sup>13</sup> C and <sup>113</sup> Cd NMR study. <i>Inorganica Chimica Acta</i> , 1992, 192, 261-270.	1.2	8
155	Multinuclear magnetic resonance study of the interaction of aluminium(III) (+)-tartrate complexes with additional metal ions in aqueous solution. <i>Inorganica Chimica Acta</i> , 1992, 197, 1-8.	1.2	8
156	Multinuclear magnetic resonance study of the coordination of aluminium(III) with tartaric acid in aqueous solution. <i>Inorganica Chimica Acta</i> , 1992, 191, 261-270.	1.2	26
157	Platinum-catalyzed oxidation of aldopentoses to aldaric acids. <i>Journal of Molecular Catalysis</i> , 1992, 77, 75-85.	1.2	39
158	Synergic metal-ion sequestration by borate-polyhydroxy-aminocarboxylate systems as studied by <sup>11</sup> B, <sup>13</sup> C and <sup>113</sup> Cd nuclear magnetic resonance spectroscopy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 2649-2656.	1.1	14
159	Structure and dynamics of lanthanide(III) complexes of the bis(propylamide) of diethylenetriaminepentaacetic acid in aqueous solution. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 656.	2.0	21
160	Multinuclear NMR study of the interaction of the shift reagent lanthanide(III) bis(triphosphate) with alkali-metal ions in aqueous solution and in the solid state. <i>Inorganic Chemistry</i> , 1991, 30, 3188-3191.	1.9	12
161	Structure and stability, as a function of pH, of borate esters of carbohydrate oximes and related compounds in aqueous media studied by <sup>11</sup> B and <sup>13</sup> C NMR spectroscopy. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 321.	0.9	11
162	The synthesis of polyhydroxycarboxylates Part III. Lanthanide(III) catalyzed addition of glycolate to (+)-maleate a kinetic study. <i>Inorganica Chimica Acta</i> , 1991, 181, 233-243.	1.2	14

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163	The synthesis of (poly)hydroxycarboxylates Part IV. Eu(III) promoted O-alkylation of glycolate with maleate as studied on-line by luminescence. <i>Inorganica Chimica Acta</i> , 1991, 180, 209-217.	1.2	6
164	Solution Phase Chemistry of Lanthanide Complexes. 12. 1:1 and 1:2 Lanthanide Complexes with <i>s</i> -Carboxymethoxysuccinic Acid. <i>Journal of Coordination Chemistry</i> , 1991, 23, 21-32.	0.8	6
165	Structural and conformational effects on the complexation of calcium by 2,3-dicarboxy derivatives of $\beta$ -cyclodextrin (cyclomaltoheptaose), amylose, and cellulose. <i>Carbohydrate Research</i> , 1990, 203, 19-32.	1.1	15
166	Synthesis of poly(hydroxy)carboxylates-part II. Addition of polyols to maleate homogeneously catalysed by multivalent metal ions. <i>Tetrahedron</i> , 1990, 46, 5741-5758.	1.0	21
167	Mo/W interchange of heteropolyanions as a measure of stability: a $^{31}\text{P}$ NMR study. <i>Journal of Molecular Catalysis</i> , 1990, 63, 343-351.	1.2	15
168	The structure of D-xylo-5-hexulosonic acid and its gadolinium(III) complexes in aqueous medium as studied by nuclear magnetic resonance. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 2707.	1.1	11
169	Co-operative hydrogen bonding with short O $\cdots$ O distances in a binuclear Al(III) glycolate complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 699-700.	2.0	11
170	Synthesis of polyhydroxy carboxylates. 5. Metal ion catalyzed O-alkylation of ethylene glycol with maleate. A multinuclear NMR study of the lanthanide(III) complexes present in the reaction mixture of the lanthanide(III)-catalyzed reaction. <i>Inorganic Chemistry</i> , 1990, 29, 5025-5031.	1.9	18
171	Multinuclear magnetic resonance study of the co-ordination of aluminium(III) with glycolic acid in aqueous solution, compared to co-ordination with oxalic and malonic acid. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 2137.	1.1	24
172	A note on the solution structure of bistrifosphato-lanthanide(III) complexes in water. <i>Inorganica Chimica Acta</i> , 1989, 160, 7-9.	1.2	3
173	Halogen substituted adamantanones. Structural studies with lanthanide shift reagents. <i>Collection of Czechoslovak Chemical Communications</i> , 1988, 53, 97-109.	1.0	6
174	Analysis of multinuclear lanthanide induced shifts. Part 6. Structures of lanthanide(III) tris(oxydiacetate) complexes in aqueous solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1988, , 961.	1.1	12
175	Analysis of multinuclear lanthanide induced shifts. Part 5. The co-ordination polyhedron of 1 : 3 lanthanide(III) glycolate complexes in aqueous solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1988, , 717-723.	1.1	14
176	Multinuclear NMR study of lanthanide(III) complexes of diethylenetriaminepentaacetate. <i>Inorganic Chemistry</i> , 1988, 27, 4686-4691.	1.9	71
177	Lanthanide(III)-catalysed addition of glycolate to maleate. Investigation of intermediates using multinuclear magnetic resonance spectroscopy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1988, , 2723.	1.1	17
178	Studies on borate, esters. Part 8. Interactions of cations with oxyacid anion-bridged esters of D-glucarate in alkaline media. <i>Journal of the Chemical Society Dalton Transactions</i> , 1987, , 2051.	1.1	20
179	Studies on borate esters. Part 5. The system glucarate borate calcium(II) as studied by $^1\text{H}$ , $^{11}\text{B}$ , and $^{13}\text{C}$ nuclear magnetic resonance spectroscopy. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1987, , 473-478.	0.9	30
180	Synergic coordination of calcium in borate-polyhydroxycarboxylate systems. <i>Carbohydrate Research</i> , 1987, 162, 65-78.	1.1	36

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181	Analysis of multinuclear lanthanide-induced shifts. Part 2. The geometry of ketone binding to lanthanides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 853.	0.9	21
182	Analysis of multinuclear lanthanide-induced shifts. 4. Some consequences of the lanthanide contraction. <i>Journal of Magnetic Resonance</i> , 1986, 68, 240-251.	0.5	12
183	An nmr study of gadolinium (iii) hydroxycarboxylate complexes in aqueous medium using gadolinium(III) induced <sup>13</sup> C relaxation rate enhancements. <i>Tetrahedron</i> , 1986, 42, 167-174.	1.0	29
184	Eu(FOD) <sub>3</sub> induced shifts of alkyl substituted adamantanones and molecular geometries of the adducts. <i>Tetrahedron</i> , 1986, 42, 4347-4354.	1.0	5
185	Studies on borate esters II. <i>Tetrahedron</i> , 1985, 41, 3411-3421.	1.0	191
186	Analysis of multinuclear lanthanide-induced shifts. 1. Investigations of some approximations in the procedure for separation of diamagnetic, contact, and pseudocontact shifts. <i>Journal of Magnetic Resonance</i> , 1985, 65, 417-428.	0.5	22
187	Simplified measurement of lanthanide-induced shifts. <i>Magnetic Resonance in Chemistry</i> , 1985, 23, 621-624.	1.1	9
188	Preferred Conformations of Captopril and Its Disulfide Metabolite in Deuterium Oxide Deduced from 200 MHz <sup>1</sup> H NMR Spectra. <i>Spectroscopy Letters</i> , 1985, 18, 419-424.	0.5	6
189	Multinuclear NMR study of the complexation of lanthanide(III) cations with sodium triphosphate: induced shifts and relaxation rate enhancements. <i>Journal of the American Chemical Society</i> , 1985, 107, 12-16.	6.6	34
190	Preferred conformations of pilocarpine, pilocarpine.HCl and isopilocarpine.HCl in solution, deduced from 200 MHz <sup>1</sup> H NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 1984, 22, 454-455.	0.7	1
191	The structure of adducts of the three diastereoisomeric 1,4:3,6-dianhydrohexitols and lanthanide chelates in acetone. <i>Tetrahedron</i> , 1984, 40, 2885-2891.	1.0	5
192	Studies on borate esters 1. <i>Tetrahedron</i> , 1984, 40, 2901-2911.	1.0	258
193	Synthesis and conformational analysis of the three 3,7-dimethylbicyclo[3.3.1]nonanes. <i>Tetrahedron</i> , 1983, 39, 1649-1654.	1.0	15
194	Lanthanide(III) salts of (S)-carboxymethyloxysuccinic acid: chiral lanthanide shift reagents for aqueous solution. <i>Tetrahedron Letters</i> , 1983, 24, 3141-3144.	0.7	22
195	Temperature dependence of the lanthanide-induced shifts, structure, and dynamics of adducts of quinuclidine and Ln(fod) <sub>3</sub> chelates as studied by variable-temperature NMR shift and relaxation measurements. <i>Journal of the American Chemical Society</i> , 1982, 104, 1632-1636.	6.6	16
196	Synthesis and conformation of some 2,4-dioxo- and 2,4-dioxo-3-silabicyclo[3.3.1]nonanes. <i>Tetrahedron</i> , 1982, 38, 3641-3647.	1.0	6
197	The use of <sup>1</sup> H and <sup>13</sup> C spin-lattice relaxation rates in the structure determination of adducts of adamantane-1-carbonitrile and lanthanide chelates in solution; comparison with the results of measurements of lanthanide induced shifts. <i>Tetrahedron</i> , 1982, 38, 331-335.	1.0	10
198	The electron impact induced fragmentations of the four isomeric. <i>Tetrahedron</i> , 1982, 38, 161-164.	1.0	1

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199	Mass spectrometry of the paramagnetic nmr shift reagents Eu(fod) <sub>3</sub> and Yb(fod) <sub>3</sub> and their adducts with propylamine. Tetrahedron Letters, 1982, 23, 4497-4500.	0.7	5
200	Potential causes of erroneous results of analysis of lanthanide-induced shifts: contamination of Ln(fod) <sub>3</sub> NMR shift reagents with Ln(fod) <sub>3</sub> .Mfod and self-association of Ln(fod) <sub>3</sub> . Journal of Organic Chemistry, 1981, 46, 2784-2786.	1.7	12
201	N.M.R. relaxation of spin 1/2 nuclei in rigid parts of a molecule by dipolar interaction with reorienting CX <sub>3</sub> groups and vice versa: extension of theory and an application to spectral assignment and determination of barriers to methyl rotation. Molecular Physics, 1980, 41, 933-940.	0.8	6
202	Boat-chair conformation of 2,4-dioxabicyclo[3.3.1]nonane. Tetrahedron Letters, 1979, 20, 2553-2556.	0.7	6
203	Chair-boat equilibria in bicyclo[3.3.1]nonane and some 3- and 3,7-substituted derivatives. Tetrahedron, 1978, 34, 3313-3323.	1.0	46
204	Conformational analysis of 7-alkyl-3-oxabicyclo-[3.3.1]nonanes and complexes with lanthanide shift reagents. Tetrahedron, 1978, 34, 2217-2222.	1.0	17
205	<sup>13</sup> C NMR spectroscopy of some 3- and 7-substituted bicyclo[3.3.1]nonanes. Tetrahedron, 1977, 33, 349-351.	1.0	33
206	The electron impact induced fragmentations of some 7-alkyl-3-oxabicyclo[3.3.1]nonanes. Tetrahedron, 1976, 32, 2735-2739.	1.0	14
207	3,7-disubstituted bicyclo[3.3.1]nonanesâ€”III. Tetrahedron, 1975, 31, 2273-2281.	1.0	50
208	3,7-disubstituted bicyclo [3.3.1] nonanesâ€”II. Tetrahedron, 1974, 30, 633-640.	1.0	35
209	Synthesis and (non-chair) conformation of some 3 <sup>±</sup> ,7 <sup>±</sup> -disubstituted bicyclo[3.3.1]nonanes. Tetrahedron Letters, 1971, 12, 3065-3068.	0.7	27
210	Investigation of a High Temperature Organic Water Shutoff Gel: Reaction Mechanisms. , 0, , .		0