

# Joop A Peters

## List of Publications by Year in descending order

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210  
papers

9,090  
citations

41258

49  
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51492

86  
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219  
all docs

219  
docs citations

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times ranked

8172  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Lanthanide induced shifts and relaxation rate enhancements. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1996, 28, 283-350.	3.9	470
3	Meerwein-Ponndorf-Verley Reductions and Oppenauer Oxidations: An Integrated Approach. <i>Synthesis</i> , 1994, 1994, 1007-1017.	1.2	456
4	Hydrothermal upgrading of biomass to biofuel; studies on some monosaccharide model compounds. <i>Carbohydrate Research</i> , 2004, 339, 1717-1726.	1.1	269
5	Studies on borate esters I. <i>Tetrahedron</i> , 1984, 40, 2901-2911.	1.0	258
6	Studies on borate esters II. <i>Tetrahedron</i> , 1985, 41, 3411-3421.	1.0	191
7	The structure and (local) stability constants of borate esters of mono- and di-saccharides as studied by <sup>11</sup> B and <sup>13</sup> C NMR spectroscopy. <i>Carbohydrate Research</i> , 1994, 253, 1-12.	1.1	186
8	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
9	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
10	A study on the stability of MCM-41-supported heteropoly acids under liquid- and gas-phase esterification conditions. <i>Microporous and Mesoporous Materials</i> , 1999, 27, 365-371.	2.2	166
11	Fine Tuning of the Relaxometry of <sup>57</sup> Fe <sub>2</sub> O <sub>3</sub> @SiO <sub>2</sub> Nanoparticles by Tweaking the Silica Coating Thickness. <i>ACS Nano</i> , 2010, 4, 5339-5349.	7.3	141
12	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
13	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
14	Molecular Recognition of Sialic Acid End Groups by Phenylboronates. <i>Chemistry - A European Journal</i> , 2005, 11, 4010-4018.	1.7	124
15	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
16	Tuning of the Size of Dy <sub>2</sub> O <sub>3</sub> Nanoparticles for Optimal Performance as an MRI Contrast Agent. <i>Journal of the American Chemical Society</i> , 2008, 130, 5335-5340.	6.6	117
17	Partial Transformation of MCM-41 Material into Zeolites: Formation of Nanosized MFI Type Crystallites. <i>Chemistry of Materials</i> , 2001, 13, 683-687.	3.2	116
18	MRI contrast agents based on dysprosium or holmium. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2011, 59, 64-82.	3.9	116

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19	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. <i>Chemistry - A European Journal</i> , 2005, 11, 2373-2384.	1.7	110
20	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
21	One-Step Synthesis of a Highly Active, Mesoporous, Titanium-Containing Silica by Using Bifunctional Templating. <i>Chemistry - A European Journal</i> , 2001, 7, 1437-1443.	1.7	101
22	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
23	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
24	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
25	Pyridine- and Phosphonate-Containing Ligands for Stable Ln Complexation. Extremely Fast Water Exchange on the GdIII Chelates. <i>Inorganic Chemistry</i> , 2006, 45, 8719-8728.	1.9	87
26	Carboxymethylation of inulin. <i>Carbohydrate Research</i> , 1995, 271, 101-112.	1.1	86
27	Investigation of a High Temperature Organic Water Shutoff Gel: Reaction Mechanisms. <i>SPE Journal</i> , 2006, 11, 497-504.	1.7	85
28	Metal binding calixarenes with potential biomimetic and biomedical applications. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2727-2745.	9.5	84
29	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
30	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
31	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
32	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
33	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
34	Multinuclear NMR study of lanthanide(III) complexes of diethylenetriaminepentaacetate. <i>Inorganic Chemistry</i> , 1988, 27, 4686-4691.	1.9	71
35	The Reductive Amination of Benzaldehyde Over Pd/C Catalysts: Mechanism and Effect of Carbon Modifications on the Selectivity. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2501-2506.	1.2	67
36	NMR Transversal Relaxivity of Suspensions of Lanthanide Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10240-10246.	1.5	67

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37	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
38	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
39	Lanthanide(III) Complexes of Bis(phosphonate) Monoamide Analogues of DOTA: Bone-Seeking Agents for Imaging and Therapy. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 677-683.	2.9	65
40	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
41	Towards Targeted MRI: New MRI Contrast Agents for Sialic Acid Detection. <i>Chemistry - A European Journal</i> , 2004, 10, 5205-5217.	1.7	62
42	Hydrogenation of fructose on Ru/C catalysts. <i>Carbohydrate Research</i> , 2000, 328, 449-457.	1.1	61
43	Kinetics and Thermodynamics of Adsorption on Hydroxyapatite of the [ <sup>160</sup> Tb]Terbium Complexes of the Bone-Targeting Ligands DOTP and BPPED. <i>Langmuir</i> , 2009, 25, 2294-2301.	1.6	59
44	Gadolinium oxysulfide nanoparticles as multimodal imaging agents for T <sub>2</sub> -weighted MR, X-ray tomography and photoluminescence. <i>Nanoscale</i> , 2014, 6, 555-564.	2.8	59
45	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
46	Synthesis, Characterization, and Relaxivity of Two Linear Gd(DTPA)-Polymer Conjugates. <i>Bioconjugate Chemistry</i> , 2001, 12, 170-177.	1.8	53
47	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
48	Competitive adsorption of water and toluene on modified activated carbon supports. <i>Applied Catalysis A: General</i> , 2000, 194-195, 193-202.	2.2	51
49	3,7-disubstituted bicyclo[3.3.1]nonane-III. <i>Tetrahedron</i> , 1975, 31, 2273-2281.	1.0	50
50	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
51	RELAXATION BY METAL-CONTAINING NANOSYSTEMS. <i>Advances in Inorganic Chemistry</i> , 2005, 57, 239-292.	0.4	48
52	How to determine the number of inner-sphere water molecules in Lanthanide(III) complexes by <sup>17</sup> O NMR spectroscopy. A technical note. <i>Contrast Media and Molecular Imaging</i> , 2007, 2, 67-71.	0.4	48
53	Chair-boat equilibria in bicyclo[3.3.1]nonane and some 3- and 3,7-substituted derivatives. <i>Tetrahedron</i> , 1978, 34, 3313-3323.	1.0	46
54	The structure of the lanthanide aquo ions in solution as studied by <sup>17</sup> O NMR spectroscopy and DFT calculations. <i>Dalton Transactions</i> , 2008, , 602-607.	1.6	46

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55	The combined hydrolysis and hydrogenation of inulin catalyzed by bifunctional Ru/C. Carbohydrate Research, 2001, 330, 381-390.	1.1	45
56	Gadolinium(III)-Loaded Nanoparticulate Zeolites as Potential High-Field MRI Contrast Agents: Relationship Between Structure and Relaxivity. Chemistry - A European Journal, 2005, 11, 4799-4807.	1.7	42
57	Calix[4]arenes as Molecular Platforms for Magnetic Resonance Imaging (MRI) Contrast Agents. Chemistry - A European Journal, 2009, 15, 3290-3296.	1.7	42
58	A Clean Conversion of D-Glucosamine Hydrochloride to a Pyrazine in the Presence of Phenylboronate or Borate. European Journal of Organic Chemistry, 2001, 2001, 3899-3901.	1.2	41
59	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
60	Platinum-catalyzed oxidation of aldopentoses to aldaric acids. Journal of Molecular Catalysis, 1992, 77, 75-85.	1.2	39
61	Catalytic conversions in water: $^{17}\text{O}$ , $^1\text{H}$ , $^{31}\text{P}$ 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
62	The highest water exchange rate ever measured for a Gd(III) chelate. Chemical Communications, 2005, , 4729.	2.2	39
63	Reductive etherification of substituted cyclohexanones with secondary alcohols catalysed by zeolite H-MCM-22. Chemical Communications, 1997, , 1989.	2.2	38
64	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
65	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
66	Synergic coordination of calcium in borate-polyhydroxycarboxylate systems. Carbohydrate Research, 1987, 162, 65-78.	1.1	36
67	Title is missing!. Catalysis Letters, 2002, 84, 1-5.	1.4	36
68	Densely packed Gd(III)-chelates with fast water exchange on a calix[4]arene scaffold: a potential MRI contrast agent. Dalton Transactions, 2010, 39, 185-191.	1.6	36
69	3,7-disubstituted bicyclo [3.3.1] nonanes. Tetrahedron, 1974, 30, 633-640.	1.0	35
70	$^{17}\text{O}$ NMR and Density Functional Theory Study of the Dynamics of the Carboxylate Groups in DOTA Complexes of Lanthanides in Aqueous Solution. Inorganic Chemistry, 2012, 51, 170-178.	1.9	35
71	Multinuclear NMR study of the complexation of lanthanide(III) cations with sodium triphosphate: induced shifts and relaxation rate enhancements. Journal of the American Chemical Society, 1985, 107, 12-16.	6.6	34
72	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

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73	Inulin as a Carrier for Contrast Agents in Magnetic Resonance Imaging. Chemistry - A European Journal, 2001, 7, 64-71.	1.7	34
74	<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
75	The reaction of glyoxylic acid with ammonia revisited. Journal of Organic Chemistry, 1992, 57, 3916-3921.	1.7	32
76	Stability, structure and dynamics of cationic lanthanide(III) complexes of N,N'-bis(propylamide)ethylenediamine-N,N'-diacetic acid. Dalton Transactions, 2003, , 727-737.	1.6	32
77	Combined epimerisation and acylation: Meerwein-Ponndorf-Verley-Oppenauer catalysts in action. Organic and Biomolecular Chemistry, 2005, 3, 483-489.	1.5	31
78	Complexes of DOTA-Bisphosphonate Conjugates: Probes for Determination of Adsorption Capacity and Affinity Constants of Hydroxyapatite. Langmuir, 2008, 24, 1952-1958.	1.6	31
79	PAMAM Dendrimers Conjugated with an Uncharged Gadolinium(III) Chelate with a Fast Water Exchange: The Influence of Chelate Charge on Rotational Dynamics. Bioconjugate Chemistry, 2009, 20, 2142-2153.	1.8	31
80	Studies on borate esters. Part 5. The system glucarate-borate-calcium(II) as studied by <sup>1</sup> H, <sup>11</sup> B, and <sup>13</sup> C nuclear magnetic resonance spectroscopy. Journal of the Chemical Society Perkin Transactions II, 1987, , 473-478.	0.9	30
81	<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
82	Phenylboronate complexes for molecular recognition of glycoproteins expressed on tumor cells. Contrast Media and Molecular Imaging, 2007, 2, 35-41.	0.4	30
83	An nmr study of gadolinium(III) hydroxycarboxylate complexes in aqueous medium using gad(III) induced <sup>13</sup> C relaxation rate enhancements. Tetrahedron, 1986, 42, 167-174.	1.0	29
84	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
85	The oxidation of fructose on Pt/C catalysts. the formation of d-threo-hexo-2,5-diulose and the effect of additives. Carbohydrate Research, 1997, 304, 155-164.	1.1	29
86	Development of a liposomal delivery system for temperature-triggered release of a tumor targeting agent, Ln(III)-DOTA-phenylboronate. Bioorganic and Medicinal Chemistry, 2011, 19, 1123-1130.	1.4	29
87	Synthesis and (non-chair) conformation of some 3,7-disubstituted bicyclo[3.3.1]nonanes. Tetrahedron Letters, 1971, 12, 3065-3068.	0.7	27
88	Thermal decomposition and hydrolysis of polyacrylamide-co-tert-butyl acrylate. European Polymer Journal, 2008, 44, 1225-1237.	2.6	27
89	Liposomes with conjugates of a calix[4]arene and a Gd-DOTA derivative on the outside surface; an efficient potential contrast agent for MRI. Chemical Communications, 2010, 46, 4399.	2.2	27
90	Multinuclear magnetic resonance study of the coordination of aluminium(III) with tartaric acid in aqueous solution. Inorganica Chimica Acta, 1992, 191, 261-270.	1.2	26

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91	Multinuclear NMR study of the complexation of d-galactaric and d-mannaric acids with molybdenum(VI). <i>Polyhedron</i> , 1994, 13, 1825-1833.	1.0	26
92	MULTINUCLEAR NMR STUDY OF COMPLEXATION OF <i>D</i> -GALACTARIC AND <i>D</i> -MANNARIC ACIDS WITH TUNGSTEN(VI) OXOIONS. <i>Journal of Coordination Chemistry</i> , 1994, 33, 319-329.	0.8	26
93	A convenient spreadsheet approach to the calculation of stability constants and the simulation of kinetics. <i>Computers &amp; Chemistry</i> , 1995, 19, 409-416.	1.2	26
94	Multinuclear Magnetic Resonance Study on the Structure and Dynamics of Lanthanide(III) Complexes of Cyclic DTPA Derivatives in Aqueous Solution1. <i>Inorganic Chemistry</i> , 1996, 35, 7679-7683.	1.9	26
95	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
96	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
97	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
98	Enzymatic kinetic resolution of tropic acid. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3892-3896.	1.8	24
99	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
100	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
101	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
102	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
103	The platinum-catalyzed oxidation of inulin. <i>Carbohydrate Research</i> , 1998, 306, 197-203.	1.1	22
104	NMR relaxivity of Ln <sup>3+</sup> -based zeolite-type materials. <i>Journal of Materials Chemistry</i> , 2005, 15, 3832.	6.7	22
105	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
106	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
107	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
108	Selective alkaline oxidative degradation of mono- and di-saccharides by hydrogen peroxide using borate as catalyst and protecting group. <i>Carbohydrate Research</i> , 1995, 267, 65-77.	1.1	21

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109	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). <i>Inorganic Chemistry</i> , 1995, 34, 1756-1763.	1.9	21
110	Modification of inulin with amidoxime groups and coordination with copper(II) ions. <i>Carbohydrate Polymers</i> , 1998, 37, 209-214.	5.1	21
111	Relaxivity and Water Exchange Studies of a Cationic Macrocyclic Gadolinium(III) Complex. <i>Chemistry - A European Journal</i> , 2001, 7, 1383-1389.	1.7	21
112	Towards MRI contrast agents responsive to Ca(II) and Mg(II) ions: metal-induced oligomerization of dota-bisphosphonate conjugates. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 294-296.	0.4	21
113	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
114	Reactions of hydroxyglycines. New synthetic routes to 4-phenylquinazoline derivatives. <i>Tetrahedron</i> , 1993, 49, 6899-6912.	1.0	20
115	Methyl $\alpha$ -D-fructofuranoside: Synthesis and conversion into carboxylates. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 2475-2484.	1.8	19
116	Synthesis of Cyanoethyl Inulin, Aminopropyl Inulin and Carboxyethyl Inulin. <i>Starch/Staerke</i> , 1996, 48, 191-195.	1.1	19
117	Structures of Dysprosium(III) Triflates in Water, Methanol, and 2-Propanol As Studied by $^{17}O$ and $^{19}F$ NMR Spectroscopy. <i>Inorganic Chemistry</i> , 1999, 38, 3080-3084.	1.9	19
118	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
119	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
120	Prototropic Exchange Governs $T_1$ and $T_2$ Relaxivities of a Potential MRI Contrast Agent Nanozeolite $Gd^{3+}$ -LTL with a High pH Responsiveness. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5080-5089.	1.5	18
121	Relaxivity of manganese ferrite nanoparticles. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2020, 120-121, 72-94.	3.9	18
122	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
123	Conformational analysis of 7-alkyl-3-oxabicyclo-[3.3.1]nonanes and complexes with lanthanide shift reagents. <i>Tetrahedron</i> , 1978, 34, 2217-2222.	1.0	17
124	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
125	Structure and Dynamics of Lanthanide Complexes of Triethylenetetramine-N,N,N',N',N'',N'''-hexaacetic Acid (H <sub>6</sub> ttha) and of Diamides H <sub>4</sub> ttha(NHR) Derived from H <sub>6</sub> ttha as Studied by NMR, NMRD, and EPR. <i>Helvetica Chimica Acta</i> , 2005, 88, 618-632.	1.0	17
126	Molecular recognition of sugars by lanthanide (III) complexes of a conjugate of N-bis[2-((1,1-dimethylethoxy)acetoxy)amino]ethyl]glycine and phenylboronic acid. <i>Contrast Media and Molecular Imaging</i> , 2007, 2, 163-171.	0.4	17

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127	<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
128	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
129	Distribution of substituents in O-carboxymethyl and O-cyanoethyl ethers of inulin. <i>Carbohydrate Research</i> , 1997, 302, 203-212.	1.1	16
130	Ion-Pair Interactions of Lanthanide(III) Complexes in Aqueous Solutions. <i>Inorganic Chemistry</i> , 2000, 39, 4802-4808.	1.9	16
131	NMR Characterization of Lanthanide(3+) Complexes of Tetraazatetrakisphosphinato and Tetraazatetraakisphosphonato Ligands. <i>Helvetica Chimica Acta</i> , 2009, 92, 2532-2551.	1.0	16
132	Synthesis and conformational analysis of the three 3,7-dimethylbicyclo[3.3.1]nonanes. <i>Tetrahedron</i> , 1983, 39, 1649-1654.	1.0	15
133	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
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