

# Carlos F G C Geraldès

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2795938/publications.pdf>

Version: 2024-02-01

269  
papers

8,496  
citations

43973

48  
h-index

76769

74  
g-index

280  
all docs

280  
docs citations

280  
times ranked

8543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification and basic properties of contrast agents for magnetic resonance imaging. <i>Contrast Media and Molecular Imaging</i> , 2009, 4, 1-23.	0.4	472
2	Conformational and Coordination Equilibria on DOTA Complexes of Lanthanide Metal Ions in Aqueous Solution Studied by <sup>1</sup> H-NMR Spectroscopy. <i>Inorganic Chemistry</i> , 1997, 36, 2059-2068.	1.9	333
3	In vitro study of the insulin-mimetic behaviour of vanadium(IV, V) coordination compounds. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 384-396.	1.1	220
4	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
5	N,N'-Ethylenebis(pyridoxylideneiminato) and N,N'-Ethylenebis(pyridoxylaminato): Synthesis, Characterization, Potentiometric, Spectroscopic, and DFT Studies of Their Vanadium(IV) and Vanadium(V) Complexes. <i>Chemistry - A European Journal</i> , 2004, 10, 2301-2317.	1.7	127
6	Tm(DOTP)5 <sup>-</sup> : A 23Na <sup>+</sup> shift agent for perfused rat hearts. <i>Magnetic Resonance in Medicine</i> , 1990, 15, 25-32.	1.9	123
7	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
8	Magnetic field dependence of solvent proton relaxation rates induced by Gd <sup>3+</sup> and Mn <sup>2+</sup> complexes of various polyaza macrocyclic ligands: Implications for NMR imaging. <i>Magnetic Resonance in Medicine</i> , 1986, 3, 242-250.	1.9	116
9	Influence of global ischemia on intracellular sodium in the perfused rat heart. <i>Magnetic Resonance in Medicine</i> , 1990, 15, 33-44.	1.9	112
10	Vanadium(IV and V) Complexes of Schiff Bases and Reduced Schiff Bases Derived from the Reaction of Aromatic-Hydroxyaldehydes and Diamines: Synthesis, Characterisation and Solution Studies. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 732-744.	1.0	104
11	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
12	Preparation, physico-chemical characterization, and relaxometry studies of various gadolinium(III)-DTPA-bis(amide) derivatives as potential magnetic resonance contrast agents. <i>Magnetic Resonance Imaging</i> , 1995, 13, 401-420.	1.0	96
13	Synthesis and characterization of the gadolinium(3+) complex of DOTA-propylamide: a model DOTA-protein conjugate. <i>Inorganic Chemistry</i> , 1989, 28, 620-622.	1.9	92
14	Synthesis, protonation sequence, and NMR studies of polyazamacrocyclic methylenephosphonates. <i>Inorganic Chemistry</i> , 1989, 28, 3336-3341.	1.9	92
15	Lanthanide(III) Complexes of DOTA-Glycoconjugates: A Potential New Class of Lectin-Mediated Medical Imaging Agents. <i>Chemistry - A European Journal</i> , 2004, 10, 5804-5816.	1.7	88
16	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
17	<sup>1</sup> H NMR in Solution and Solid State Structural Study of Lanthanide(III) Cryptates. <i>Inorganic Chemistry</i> , 1999, 38, 3190-3199.	1.9	82
18	Outline structure of cytochrome c3 and consideration of its properties. <i>Nature</i> , 1974, 249, 425-429.	13.7	79

#	ARTICLE	IF	CITATIONS
19	Nuclear magnetic resonance and potentiometric studies of the protonation scheme of a triaza triacetic macrocycle and its complexes with lanthanum and lutetium. <i>Inorganic Chemistry</i> , 1985, 24, 3876-3881.	1.9	79
20	Evaluation of [Ln(H <sub>2</sub> cmp)(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
21	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
22	First in vivo MRI assessment of a self-assembled metallostar compound endowed with a remarkable high field relaxivity. <i>Contrast Media and Molecular Imaging</i> , 2006, 1, 30-39.	0.4	70
23	Vanadium compounds as therapeutic agents: Some chemical and biochemical studies. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 601-608.	1.5	68
24	Examination of Matrix Metalloproteinase-1 in Solution. <i>Journal of Biological Chemistry</i> , 2013, 288, 30659-30671.	1.6	68
25	NMR Transversal Relaxivity of Suspensions of Lanthanide Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10240-10246.	1.5	67
26	Metal coordinated pyrrole-based macrocycles as contrast agents for magnetic resonance imaging technologies: Synthesis and applications. <i>Coordination Chemistry Reviews</i> , 2017, 333, 82-107.	9.5	66
27	Uptake and metabolic effects of insulin mimetic oxovanadium compounds in human erythrocytes. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 2328-2339.	1.5	65
28	Relaxometric Studies of $\text{Fe}^{2+} \text{O}_3 @ \text{SiO}_2$ Core Shell Nanoparticles: When the Coating Matters. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2285-2291.	1.5	65
29	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
30	Number of inner-sphere water molecules in Gd <sup>3+</sup> and Eu <sup>3+</sup> complexes of DTPA-amide and -ester conjugates. <i>Magnetic Resonance in Medicine</i> , 1988, 8, 191-199.	1.9	63
31	Towards Targeted MRI: New MRI Contrast Agents for Sialic Acid Detection. <i>Chemistry - A European Journal</i> , 2004, 10, 5205-5217.	1.7	62
32	Chemical characterization and anti-inflammatory activity of luteolin glycosides isolated from lemongrass. <i>Journal of Functional Foods</i> , 2014, 10, 436-443.	1.6	62
33	Metal-based redox-responsive MRI contrast agents. <i>Coordination Chemistry Reviews</i> , 2019, 390, 1-31.	9.5	59
34	Paramagnetic NMR Lanthanide Induced Shifts for Extracting Solution Structures. <i>Fundamental Theories of Physics</i> , 2003, , 353-463.	0.1	58
35	Gold nanoparticles functionalised with stable, fast water exchanging Gd <sup>3+</sup> chelates as high relaxivity contrast agents for MRI. <i>Dalton Transactions</i> , 2012, 41, 5472.	1.6	58
36	Mesophase formation in lead(II) decanoate. <i>Liquid Crystals</i> , 1986, 1, 215-226.	0.9	57

#	ARTICLE	IF	CITATIONS
37	Evaluation of polyaza macrocyclic methylene phosphonate chelates of Gd <sup>3+</sup> ions as MRI contrast agents. <i>Magnetic Resonance in Medicine</i> , 1989, 9, 94-104.	1.9	57
38	Supramolecular Assembly of an Amphiphilic Gd(III) Chelate: Tuning the Reorientational Correlation Time and the Water Exchange Rate. <i>Chemistry - A European Journal</i> , 2006, 12, 940-948.	1.7	56
39	Relaxometry, animal biodistribution, and magnetic resonance imaging studies of some new gadolinium (III) macrocyclic phosphinate and phosphonate monoester complexes. <i>Magnetic Resonance in Medicine</i> , 1993, 30, 696-703.	1.9	55
40	Preparation and characterisation of gels based on sucrose modified with glycidyl methacrylate. <i>Carbohydrate Polymers</i> , 2000, 41, 15-24.	5.1	55
41	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
42	Structural characterisation, EPR and magnetic properties of f <sup>4</sup> and f <sup>6</sup> lanthanide(III) phenolic cryptates. <i>Dalton Transactions RSC</i> , 2002, , 4658.	2.3	54
43	Synthesis, Characterization, and Relaxivity of Two Linear Gd(DTPA) <sup>n</sup> Polymer Conjugates. <i>Bioconjugate Chemistry</i> , 2001, 12, 170-177.	1.8	53
44	Is Competition between Li <sup>+</sup> and Mg <sup>2+</sup> the Underlying Theme in the Proposed Mechanisms for the Pharmacological Action of Lithium Salts in Bipolar Disorder?. <i>Accounts of Chemical Research</i> , 2006, 39, 283-291.	7.6	53
45	Sources of hepatic triglyceride accumulation during high-fat feeding in the healthy rat. <i>NMR in Biomedicine</i> , 2009, 22, 310-317.	1.6	53
46	Hepatic Fibrosis, Inflammation, and Steatosis: Influence on the MR Viscoelastic and Diffusion Parameters in Patients with Chronic Liver Disease. <i>Radiology</i> , 2017, 283, 98-107.	3.6	53
47	Structural and in vivo studies of metal chelates of Ga(III) relevant to biomedical imaging. <i>Journal of Inorganic Biochemistry</i> , 2000, 79, 359-363.	1.5	51
48	Theranostic Fibers for Simultaneous Imaging and Drug Delivery. <i>Molecular Pharmaceutics</i> , 2016, 13, 2457-2465.	2.3	51
49	Thermotropic Polymorphism in Liquid-Crystalline Lead(II) Alkanoates. <i>Liquid Crystals</i> , 1988, 3, 1655-1670.	0.9	50
50	Is NMR Fragment Screening Fine-Tuned to Assess Druggability of Protein-Protein Interactions?. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 23-28.	1.3	50
51	Carbon-13 NMR of methylated lysines of fd gene 5 protein: evidence for a conformational change involving lysine 24 upon binding of a negatively charged lanthanide chelate. <i>Biochemistry</i> , 1989, 28, 7896-7904.	1.2	49
52	(Gd,Yb,Tb)PO <sub>4</sub> up-conversion nanocrystals for bimodal luminescence-MR imaging. <i>Nanoscale</i> , 2012, 4, 5154.	2.8	49
53	X-ray Diffraction and <sup>1</sup> H NMR in Solution: Structural Determination of Lanthanide Complexes of a Py <sub>2</sub> N <sub>6</sub> Ac <sub>4</sub> Ligand. <i>Inorganic Chemistry</i> , 2002, 41, 5300-5312.	1.9	48
54	PiB-Conjugated, Metal-Based Imaging Probes: Multimodal Approaches for the Visualization of $\beta$ -Amyloid Plaques. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 436-440.	1.3	48

#	ARTICLE	IF	CITATIONS
55	A novel hexaaza macrocycle with methylenephosphonate pendant arms: a potential useful chelate for biomedical applications. Journal of the Chemical Society Dalton Transactions, 1997, , 4119-4126.	1.1	47
56	A gallium complex with a new tripodal tris-hydroxypyridinone for potential nuclear diagnostic imaging: solution and in vivo studies of <sup>67</sup> Ga-labeled species. Journal of Inorganic Biochemistry, 2011, 105, 31-38.	1.5	47
57	Electrospun Contrast Agent-Loaded Fibers for Colon-Targeted MRI. Advanced Healthcare Materials, 2016, 5, 977-985.	3.9	47
58	Mono- and bimetallic lanthanide(III) phenolic cryptates obtained by template reaction: solid state structure, photophysical properties and relaxivity. Dalton Transactions RSC, 2000, , 611-618.	2.3	46
59	Lanthanide-DTPA grafted silica nanoparticles as bimodal-imaging contrast agents. Biomaterials, 2011, 33, 925-35.	5.7	46
60	The catalytic domain of MMP-1 studied through tagged lanthanides. FEBS Letters, 2012, 586, 557-567.	1.3	45
61	Effects of mood stabilizers on the inhibition of adenylyl cyclase via dopamine D2-like receptors. Bipolar Disorders, 2007, 9, 290-297.	1.1	44
62	Lanthanide(III) Complexes of 4,10-Bis(phosphonomethyl)-1,4,7,10-tetraazacyclododecane-1,7-diacetic acid ( <i>trans</i> -H <sub>6</sub> do2a2p) in Solution and in the Solid State: Structural Studies Along the Series. Chemistry - A European Journal, 2010, 16, 8446-8465.	1.7	44
63	Potentiometry and NMR studies of 1,5,9-triazacyclododecane-N,N',N''-triacetic acid and its metal ion complexes. Inorganic Chemistry, 1990, 29, 5-9.	1.9	43
64	Gd <sup>3+</sup> complexes conjugated to Pittsburgh compound B: potential MRI markers of $\beta$ -amyloid plaques. Journal of Biological Inorganic Chemistry, 2014, 19, 281-295.	1.1	42
65	Beyond Bleaney's Theory: Experimental and Theoretical Analysis of Periodic Trends in Lanthanide-Induced Chemical Shift. Angewandte Chemie - International Edition, 2017, 56, 12215-12218.	7.2	42
66	CdTe quantum dots as fluorescent probes to study transferrin receptors in glioblastoma cells. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 28-35.	1.1	41
67	Lanthanide-induced relaxation anisotropy. Physical Chemistry Chemical Physics, 2018, 20, 17676-17686.	1.3	41
68	Competition between Li <sup>+</sup> and Mg <sup>2+</sup> for the phosphate groups in the human erythrocyte membrane and ATP: An NMR and fluorescence study. Biochemistry, 1994, 33, 4101-4110.	1.2	40
69	Architected design of superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles for application as MRI contrast agents: mastering size and magnetism for enhanced relaxivity. Journal of Materials Chemistry B, 2015, 3, 6261-6273.	2.9	39
70	Characterisation of <sup>67</sup> Ga <sup>3+</sup> complexes of triaza macrocyclic ligands: biodistribution and clearance studies. Nuclear Medicine and Biology, 1999, 26, 707-710.	0.3	37
71	Gd(DO3A-N $\pm$ -aminopropionate): a versatile and easily available synthon with optimized water exchange for the synthesis of high relaxivity, targeted MRI contrast agents. Chemical Communications, 2009, , 6475.	2.2	37
72	Comparison of Fluorescence, <sup>31</sup> P NMR, and <sup>7</sup> Li NMR Spectroscopic Methods for Investigating Li <sup>+</sup> /Mg <sup>2+</sup> Competition for Biomolecules. Analytical Biochemistry, 1999, 272, 1-7.	1.1	36

#	ARTICLE	IF	CITATIONS
73	A Schiff-Base Bibracchial Lariat Ether Forming a Cryptand-like Cavity for Lanthanide Ions. <i>Inorganic Chemistry</i> , 2003, 42, 6946-6954.	1.9	36
74	Comparison of different phosphorus-containing ligands complexing $^{68}\text{Ga}$ for PET-imaging of bone metabolism. <i>Radiochimica Acta</i> , 2011, 99, 43-51.	0.5	35
75	Fat deposition decreases diffusion parameters at MRI: a study in phantoms and patients with liver steatosis. <i>European Radiology</i> , 2013, 23, 461-467.	2.3	35
76	Protonation scheme for some triaza macrocycles studied by potentiometry and NMR spectroscopy. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 137.	0.9	34
77	<i>In vivo</i> MRI assessment of a novel $\text{Gd}^{\text{III}}$ -based contrast agent designed for high magnetic field applications. <i>Contrast Media and Molecular Imaging</i> , 2008, 3, 78-85.	0.4	33
78	The solution structure of $\text{Ln}(\text{DOTP})_5^{\sim}$ complexes. A comparison of lanthanide-induced paramagnetic shifts with the MMX energy-minimized structure. <i>Journal of Magnetic Resonance</i> , 1992, 97, 290-304.	0.5	32
79	Copper complexes with bibracchial lariat ethers: from mono- to binuclear structures. <i>Inorganica Chimica Acta</i> , 2001, 317, 190-198.	1.2	32
80	Silencing of Phosphonate-Gadolinium Magnetic Resonance Imaging Contrast by Hydroxyapatite Binding. <i>Investigative Radiology</i> , 2003, 38, 750-760.	3.5	31
81	Optical Detection of Solid-State Chiral Structures with Unpolarized Light and in the Absence of External Fields. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7938-7942.	7.2	31
82	Targeting of lanthanide(III) chelates of DOTA-type glycoconjugates to the hepatic asialoglycoprotein receptor: cell internalization and animal imaging studies. <i>Contrast Media and Molecular Imaging</i> , 2006, 1, 246-258.	0.4	31
83	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
84	Yeast cell wall particles: a promising class of nature-inspired microcarriers for multimodal imaging. <i>Chemical Communications</i> , 2011, 47, 10635.	2.2	31
85	Thermodynamic stability and relaxation studies of small, triaza-macrocyclic $\text{Mn}(\text{II})$ chelates. <i>Dalton Transactions</i> , 2013, 42, 4522.	1.6	31
86	The interaction between dopamine D2-like and beta-adrenergic receptors in the prefrontal cortex is altered by mood-stabilizing agents. <i>Journal of Neurochemistry</i> , 2006, 96, 1336-1348.	2.1	30
87	A biophysical approach to menadione membrane interactions: Relevance for menadione-induced mitochondria dysfunction and related deleterious/therapeutic effects. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1899-1908.	1.4	30
88	Interaction of Bile Salts with Model Membranes Mimicking the Gastrointestinal Epithelium: A Study by Isothermal Titration Calorimetry. <i>Langmuir</i> , 2015, 31, 9097-9104.	1.6	30
89	Structural study of the interaction of vanadate with the ligand 1,2-dimethyl-3-hydroxy-4-pyridinone (Hdmpp) in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 2000, 80, 177-179.	1.5	29
90	A Bis(pyridine $\text{N}$ -oxide) Analogue of DOTA: Relaxometric Properties of the $\text{Gd}^{\text{III}}$ Complex and Efficient Sensitization of Visible and NIR-Emitting Lanthanide(III) Cations Including $\text{Pr}^{\text{III}}$ and $\text{Ho}^{\text{III}}$ . <i>Chemistry - A European Journal</i> , 2014, 20, 14834-14845.	1.7	29

#	ARTICLE	IF	CITATIONS
91	Competition between Li <sup>+</sup> and Mg <sup>2+</sup> in Neuroblastoma SH-SY5Y Cells: A Fluorescence and <sup>31</sup> P NMR Study. <i>Biophysical Journal</i> , 1999, 76, 2934-2942.	0.2	28
92	Oxoperoxo Vanadium(V) Complexes of L-Lactic Acid: Density Functional Theory Study of Structure and NMR Chemical Shifts. <i>Inorganic Chemistry</i> , 2008, 47, 7317-7326.	1.9	28
93	Gallium labeled NOTA-based conjugates for peptide receptor-mediated medical imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7345-7348.	1.0	28
94	New tris-3,4-HOPO lanthanide complexes as potential imaging probes: complex stability and magnetic properties. <i>Dalton Transactions</i> , 2013, 42, 6046.	1.6	28
95	Interaction of PiB-derivative Metal Complexes with Beta-Amyloid Peptides: Selective Recognition of the Aggregated Forms. <i>Chemistry - A European Journal</i> , 2015, 21, 5413-5422.	1.7	28
96	Supercritically dried superparamagnetic mesoporous silica nanoparticles for cancer theranostics. <i>Materials Science and Engineering C</i> , 2020, 115, 111124.	3.8	28
97	Lithium-7 NMR relaxation study of lithium binding in human erythrocytes. <i>Biochemistry</i> , 1993, 32, 13490-13498.	1.2	27
98	Integration of [ <sup>13</sup> C]glucose and <sup>2</sup> H <sub>2</sub> O for quantification of hepatic glucose production and gluconeogenesis. <i>NMR in Biomedicine</i> , 2003, 16, 189-198.	1.6	27
99	Study of the oxidation products of the VO(dmpp) <sub>2</sub> complex in aqueous solution under aerobic conditions: comparison with the vanadate-dmpp system. <i>Inorganica Chimica Acta</i> , 2003, 356, 142-154.	1.2	27
100	Silica Nanoparticles for Bimodal MRI-Optical Imaging by Grafting Gd <sup>3+</sup> and Eu <sup>3+</sup> /Tb <sup>3+</sup> Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2828-2837.	1.0	27
101	What Is Being Measured with P-Bearing NMR Probe Molecules Adsorbed on Zeolites?. <i>Journal of the American Chemical Society</i> , 2021, 143, 13616-13623.	6.6	27
102	<sup>207</sup> Pb N.M.R. of lead(II) soaps in solid, liquid-crystalline and liquid phases. <i>Liquid Crystals</i> , 1988, 3, 853-860.	0.9	26
103	Multinuclear NMR studies of lead(II) soaps II. <sup>13</sup> C and <sup>1</sup> H studies of solid and liquid-crystalline phases. <i>Liquid Crystals</i> , 1991, 9, 417-432.	0.9	26
104	Photoluminescent Layered Lanthanide Silicate Nanoparticles. <i>Chemistry of Materials</i> , 2008, 20, 205-212.	3.2	26
105	The Effect of the Amide Substituent on the Biodistribution and Tolerance of Lanthanide(III) DOTA-Tetraamide Derivatives. <i>Investigative Radiology</i> , 2008, 43, 861-870.	3.5	26
106	Triaza-based amphiphilic chelators: Synthetic route, in vitro characterization and in vivo studies of their Ga(III) and Al(III) chelates. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 1051-1062.	1.5	26
107	Computational approaches to the study of some lanthanide (III)-polyazamacrocyclic chelates for magnetic resonance imaging. <i>International Journal of Quantum Chemistry</i> , 1999, 73, 237-248.	1.0	25
108	Chiroptical, ESMS and NMR spectroscopic study of the interaction of enantiopure lanthanide complexes with selected self-complementary dodecamer oligonucleotides. <i>Perkin Transactions II RSC</i> , 2001, , 1729-1737.	1.1	25

#	ARTICLE	IF	CITATIONS
109	Quantification of Cholesterol Solubilized in Dietary Micelles: Dependence on Human Bile Salt Variability and the Presence of Dietary Food Ingredients. <i>Langmuir</i> , 2016, 32, 4564-4574.	1.6	25
110	Competition between Li <sup>+</sup> and Mg <sup>2+</sup> for ATP and ADP in aqueous solution: A multinuclear NMR study. <i>Journal of Inorganic Biochemistry</i> , 1991, 42, 191-198.	1.5	24
111	The quest for biocompatible phthalocyanines for molecular imaging: Photophysics, relaxometry and cytotoxicity studies. <i>Journal of Inorganic Biochemistry</i> , 2016, 154, 50-59.	1.5	24
112	A biocompatible redox MRI probe based on a Mn(II)/Mn(III) porphyrin. <i>Dalton Transactions</i> , 2019, 48, 3249-3262.	1.6	24
113	Introduction to Infrared and Raman-Based Biomedical Molecular Imaging and Comparison with Other Modalities. <i>Molecules</i> , 2020, 25, 5547.	1.7	24
114	Analysis of lanthanide induced NMR shifts using a crystal field independent method: application to complexes of tetraazamacrocyclic ligands. <i>Inorganica Chimica Acta</i> , 2002, 339, 273-282.	1.2	23
115	Sources of glucose production in cirrhosis by <sup>2</sup> H <sub>2</sub> O ingestion and <sup>2</sup> H NMR analysis of plasma glucose. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2003, 1637, 156-163.	1.8	23
116	<sup>1</sup> H- <sup>31</sup> P HETCOR NMR elucidates the nature of acid sites in zeolite HZSM-5 probed with trimethylphosphine oxide. <i>Chemical Communications</i> , 2019, 55, 12635-12638.	2.2	23
117	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
118	Quantitation of absolute <sup>2</sup> H enrichment of plasma glucose by <sup>2</sup> H NMR analysis of its monoacetone derivative. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 535-539.	1.9	22
119	Copper complexes with new oxaza- <i>pendant-armed</i> macrocyclic ligands: X-ray crystal structure of a macrocyclic copper(II) complex. <i>Inorganica Chimica Acta</i> , 2005, 358, 1141-1150.	1.2	22
120	NMR relaxivity of Ln <sup>3+</sup> -based zeolite-type materials. <i>Journal of Materials Chemistry</i> , 2005, 15, 3832.	6.7	22
121	Nimesulide interaction with membrane model systems: Are membrane physical effects involved in nimesulide mitochondrial toxicity?. <i>Toxicology in Vitro</i> , 2011, 25, 1215-1223.	1.1	22
122	Poly(ethylene glycol)-block-poly(4-vinyl pyridine) as a versatile block copolymer to prepare nanoaggregates of superparamagnetic iron oxide nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1565.	2.9	22
123	Layered gadolinium hydroxides for simultaneous drug delivery and imaging. <i>Dalton Transactions</i> , 2018, 47, 3166-3177.	1.6	22
124	Dy(DOTP) <sup>5-</sup> : A new, stable <sup>23</sup> Na shift reagent. <i>Journal of Magnetic Resonance</i> , 1988, 76, 528-533.	0.5	21
125	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
126	NMR and potentiometric studies of 1,4,7-triazacyclononane-N,N',N''-tris(methylenephosphonate) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.28	21



#	ARTICLE	IF	CITATIONS
127	Complexes of Ga <sup>3+</sup> and In <sup>3+</sup> with the N,N <sup>3</sup> -bis(butylamide) derivative of diethylenetriaminepentaacetic acid: stability constants and nuclear magnetic resonance studies in aqueous solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 327-335.	1.1	21
128	Spectroscopic, radiochemical, and theoretical studies of the Ga <sup>3+</sup> and In <sup>3+</sup> hydroxyethyl piperazine <sup>2</sup> ethanesulfonic acid (HEPES buffer) system: evidence for the formation of Ga <sup>3+</sup> •HEPES complexes in <sup>68</sup> Ga labeling reactions. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 265-273.	0.4	21
129	Synthesis and Characterization of Rare Earth Orthoferrite LnFeO <sub>3</sub> Nanoparticles for Bioimaging. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3570-3578.	1.0	21
130	Nuclear magnetic relaxation dispersion profiles of aqueous solutions of a series of gd(nota) analogs. <i>Magnetic Resonance in Medicine</i> , 1992, 27, 284-295.	1.9	20
131	Triethylenetetramine-N,N,N <sup>3</sup> ,N <sup>3</sup> -hexaacetic Acid (TTHA) and TTHA-Bis(butanamide) as Chelating Agents Relevant to Radiopharmaceutical Applications. <i>Inorganic Chemistry</i> , 1998, 37, 2729-2740.	1.9	20
132	Comparison of crystal field dependent and independent methods to analyse lanthanide induced NMR shifts in axially symmetric complexes. Part I. Systems with a C <sub>3</sub> symmetry axis. <i>Inorganica Chimica Acta</i> , 2004, 357, 381-395.	1.2	20
133	Competition between lithium and magnesium ions for the G-protein transducin in the guanosine 5' -diphosphate bound conformation. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 691-701.	1.5	20
134	Lanthanide(III) Chelates of DTPA Bis(amide) Glycoconjugates: Potential Imaging Agents Targeted at the Asialoglycoprotein Receptor. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2110-2119.	1.0	20
135	[3] Lanthanide shift reagents. <i>Methods in Enzymology</i> , 1993, 227, 43-78.	0.4	19
136	NMR study of the inclusion complex formed between β-cyclodextrin and TmDOTP5 <sup>2-</sup> . <i>Magnetic Resonance in Chemistry</i> , 1994, 32, 361-365.	1.1	19
137	Nuclear magnetic relaxation dispersion studies of water-soluble gadolinium(iii)-texaphyrin complexes. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 725-729.	1.9	19
138	Chromate-induced human erythrocytes haemoglobin oxidation and peroxidation: influence of vitamin E, vitamin C, salicylate, deferoxamine, and N-ethylmaleimide. <i>Toxicology Letters</i> , 2000, 114, 237-243.	0.4	19
139	Vanadium (IV and V) Complexes of Reduced Schiff Bases Derived from the Reaction of Aromatic-Hydroxyaldehydes and Diamines Containing Carboxyl Groups. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3595-3606.	1.0	19
140	Structural and photophysical studies on gallium(iii) 8-hydroxyquinoline-5-sulfonates. Does excited state decay involve ligand photolabilisation?. <i>Dalton Transactions</i> , 2013, 42, 3682.	1.6	19
141	Gold nanoparticles functionalised with fast water exchanging Gd <sup>3+</sup> chelates: linker effects on the relaxivity. <i>Dalton Transactions</i> , 2015, 44, 4016-4031.	1.6	19
142	Associating a negatively charged GdDOTA-derivative to the Pittsburgh compound B for targeting Aβ <sup>2</sup> amyloid aggregates. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 83-99.	1.1	19
143	A Raman spectroscopic study of molecular interaction in long-chain primary amines systems. <i>Journal of Raman Spectroscopy</i> , 1982, 13, 56-62.	1.2	18
144	INTERACTION OF MONOSACCHARIDES AND RELATED COMPOUNDS WITH OXOCATIONS OF MO(VI), W(VI) AND U(VI) STUDIED BY NMR SPECTROSCOPY. <i>Journal of Coordination Chemistry</i> , 1988, 17, 205-219.	0.8	18

#	ARTICLE	IF	CITATIONS
145	Lanthanide chelates of (bis)-hydroxymethyl-substituted DTTA with potential application as contrast agents in magnetic resonance imaging. Dalton Transactions, 2009, , 4656.	1.6	18
146	How Do Nuclei Couple to the Magnetic Moment of a Paramagnetic Center? A New Theory at the Gauntlet of the Experiments. Journal of Physical Chemistry Letters, 2019, 10, 3610-3614.	2.1	18
147	Mn(III) porphyrins as potential MRI contrast agents for diagnosis and MRI-guided therapy. Coordination Chemistry Reviews, 2021, 445, 214069.	9.5	18
148	Inhibition of $\alpha$ -glucosidase by flavonoids of <i>Cymbopogon citratus</i> (DC) Stapf. Journal of Ethnopharmacology, 2021, 280, 114470.	2.0	18
149	Oxovanadium(IV and V) and copper(II) complexes of N-salicyl-glycylglycine and N-salicyl-glycylglycylglycine. Dalton Transactions RSC, 2002, , 4440.	2.3	17
150	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
151	Gd(III) Chelates as NMR Probes of Protein-Protein Interactions. Case Study: Rubredoxin and Cytochrome <i>c</i> . Inorganic Chemistry, 2011, 50, 10600-10607.	1.9	17
152	Enantioselective binding of a lanthanide(III) complex to human serum albumin studied by <sup>1</sup> H STD NMR techniques. Organic and Biomolecular Chemistry, 2011, 9, 5047.	1.5	17
153	Interaction of carbonylcyanide p-trifluoromethoxyphenylhydrazone (FCCP) with lipid membrane systems: a biophysical approach with relevance to mitochondrial uncoupling. Journal of Bioenergetics and Biomembranes, 2011, 43, 287-298.	1.0	17
154	New dextrin nanomagnetogels as contrast agents for magnetic resonance imaging. Journal of Materials Chemistry B, 2013, 1, 5853.	2.9	17
155	Beyond Bleaney's Theory: Experimental and Theoretical Analysis of Periodic Trends in Lanthanide-Induced Chemical Shift. Angewandte Chemie, 2017, 129, 12383-12386.	1.6	17
156	The Catalytic Activity of Carbon-Supported Cu(I)-Phosphine Complexes for the Microwave-Assisted Synthesis of 1,2,3-Triazoles. Catalysts, 2021, 11, 185.	1.6	17
157	Resolving the Sources of Plasma Glucose Excursions following a Glucose Tolerance Test in the Rat with Deuterated Water and [U- <sup>13</sup> C]Glucose. PLoS ONE, 2012, 7, e34042.	1.1	17
158	<sup>7</sup> Li Nuclear Magnetic Resonance Study for the Determination of <sup>7</sup> Li Properties in Neuroblastoma SH-SY5Y Cells. Journal of Neurochemistry, 1998, 71, 1676-1684.	2.1	16
159	Modelling studies in aqueous solution of lanthanide (III) chelates designed for nuclear magnetic resonance biomedical applications. Molecular Physics, 2003, 101, 2319-2333.	0.8	16
160	Intracellular lithium and cyclic AMP levels are mutually regulated in neuronal cells. Journal of Neurochemistry, 2004, 90, 920-930.	2.1	16
161	NMR Characterization of Lanthanide(3+) Complexes of Tetraazatetrakisphosphinato and Tetraazatetraakisphosphonato Ligands. Helvetica Chimica Acta, 2009, 92, 2532-2551.	1.0	16
162	MRI Tracking of Macrophages Labeled with Glucan Particles Entrapping a Water Insoluble Paramagnetic Gd-Based Agent. Molecular Imaging and Biology, 2013, 15, 307-315.	1.3	16

#	ARTICLE	IF	CITATIONS
163	Gallium-68 Complexes Conjugated to Pittsburgh Compound B: Radiolabeling and Biological Evaluation. <i>Molecular Imaging and Biology</i> , 2016, 18, 334-343.	1.3	16
164	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
165	The active site residue tyrosine 325 influences iron binding and coupling efficiency in human phenylalanine hydroxylase. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1320-1328.	1.5	15
166	A Semi-Empirical Method for the Estimation of the Hydration Number of Mn(II)-Complexes. <i>Inorganics</i> , 2018, 6, 116.	1.2	15
167	Gd- and Eu-Loaded Iron Oxide@Silica Core-Shell Nanocomposites as Trimodal Contrast Agents for Magnetic Resonance Imaging and Optical Imaging. <i>Inorganic Chemistry</i> , 2019, 58, 16618-16628.	1.9	15
168	Development of a bioreactor system for cytotoxic evaluation of pharmacological compounds in living cells using NMR spectroscopy. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 95, 70-78.	0.3	15
169	Molecular Magnetic Resonance Imaging of Fibrin Deposition in the Liver as an Indicator of Tissue Injury and Inflammation. <i>Investigative Radiology</i> , 2020, 55, 209-216.	3.5	15
170	Dual Imaging Gold Nanoplatfoms for Targeted Radiotheranostics. <i>Materials</i> , 2020, 13, 513.	1.3	15
171	Structures of MRI Contrast Agents in Solution. <i>Topics in Current Chemistry</i> , 2002, , 25-60.	4.0	15
172	Synthesis of a Novel Series of Cu(I) Complexes Bearing Alkylated 1,3,5-Triaza-7-phosphaadamantane as Homogeneous and Carbon-Supported Catalysts for the Synthesis of 1- and 2-Substituted-1,2,3-triazoles. <i>Nanomaterials</i> , 2021, 11, 2702.	1.9	15
173	Lanthanide ethylenediaminetetra-acetate chelates as aqueous shift reagents: evidence for effective axial symmetry in bidentate cytidine 5'-monophosphate and alanine complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1981, , 2078-2082.	1.1	14
174	Influence of vanadate on glycolysis, intracellular sodium, and pH in perfused rat hearts. <i>Molecular and Cellular Biochemistry</i> , 1997, 170, 53-64.	1.4	14
175	NMR conformational study of diamagnetic complexes of some triazatriacetate macrocycles. <i>Inorganica Chimica Acta</i> , 1998, 273, 288-298.	1.2	14
176	Gd(III)-EPTPAC <sub>16</sub> , a new self-assembling potential liver MRI contrast agent: <i>in vitro</i> characterization and <i>in vivo</i> animal imaging studies. <i>NMR in Biomedicine</i> , 2008, 21, 322-336.	1.6	14
177	NMR Transversal relaxivity of aqueous suspensions of particles of Ln <sup>3+</sup> -based zeolite type materials. <i>Dalton Transactions</i> , 2008, , 2241.	1.6	14
178	Supramolecular protamine/Gd-loaded liposomes adducts as relaxometric protease responsive probes. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1131-1135.	1.4	14
179	Quantification of cholesterol solubilized in bile salt micellar aqueous solutions using <sup>13</sup> C nuclear magnetic resonance. <i>Analytical Biochemistry</i> , 2012, 427, 41-48.	1.1	14
180	Ln[DO3A-N-(pyrenebutanamido)propionate] complexes: optimized relaxivity and NIR optical properties. <i>Dalton Transactions</i> , 2014, 43, 3162-3173.	1.6	14

#	ARTICLE	IF	CITATIONS
181	Gallium(III) chelates of mixed phosphonate-carboxylate triazamacrocyclic ligands relevant to nuclear medicine: Structural, stability and in vivo studies. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 8-16.	1.5	14
182	Bioactivity of <i>Acanthus mollis</i> – Contribution of benzoxazinoids and phenylpropanoids. <i>Journal of Ethnopharmacology</i> , 2018, 227, 198-205.	2.0	14
183	Competition between Li <sup>+</sup> and Mg <sup>2+</sup> for red blood cell membrane phospholipids: A <sup>31</sup> P, <sup>7</sup> Li, and <sup>6</sup> Li nuclear magnetic resonance study. <i>Lipids</i> , 1999, 34, 1211-1221.	0.7	13
184	Interactions Between Cyclodextrins and Tm(III) Chelates of Polyazamacrocycles as Studied by NMR in Aqueous Solution. , 1999, 1999, 287-293.		13
185	Comparison of different methods for structural analysis of lanthanide-induced NMR shifts: a case of lanthanide(III) cryptates. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 824-827.	2.8	13
186	H5dotasa (= (1±RS)-1±-(Carboxymethyl)-1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic Acid), an Asymmetrical Derivative of H4dota (=1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic Acid) Substituted at One Acetate Pendant Arm: 1H-NMR and Potentiometri. <i>Helvetica Chimica Acta</i> , 2005, 88, 633-646.	1.0	13
187	Ga(III) chelates of amphiphilic DOTA-based ligands: synthetic route and in vitro and in vivo studies. <i>Nuclear Medicine and Biology</i> , 2011, 38, 363-370.	0.3	13
188	Study of the binding interaction between fluorinated matrix metalloproteinase inhibitors and Human Serum Albumin. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 13-23.	2.6	13
189	Hydrophilic Quantum Dots Functionalized with Gd(III)-DO3A Monoamide Chelates as Bright and Effective T1-weighted Bimodal Nanoprobes. <i>Scientific Reports</i> , 2019, 9, 2341.	1.6	13
190	Carboplatin liposomes coated with O-palmitoylpullulan: In vitro characterization. <i>International Journal of Pharmaceutics</i> , 1997, 147, 153-164.	2.6	12
191	Competition between Na <sup>+</sup> and Li <sup>+</sup> for Unsealed and Cytoskeleton-Depleted Human Red Blood Cell Membrane: A <sup>23</sup> Na Multiple Quantum Filtered and <sup>7</sup> Li NMR Relaxation Study. <i>Journal of Magnetic Resonance</i> , 1999, 140, 206-217.	1.2	12
192	Effects of Li <sup>+</sup> transport and Li <sup>+</sup> immobilization on Li <sup>+</sup> /Mg <sup>2+</sup> competition in cells: implications for bipolar disorder. <i>Biochemical Pharmacology</i> , 2003, 66, 1915-1924.	2.0	12
193	<sup>23</sup> Na multiple quantum filtered NMR characterisation of Na <sup>+</sup> binding and dynamics in animal cells: a comparative study and effect of Na <sup>+</sup> /Li <sup>+</sup> competition. <i>European Biophysics Journal</i> , 2013, 42, 503-519.	1.2	12
194	Highly fluorescent and superparamagnetic nanosystem for biomedical applications. <i>Nanotechnology</i> , 2017, 28, 285704.	1.3	12
195	Multimodal highly fluorescent-magnetic nanoplatform to target transferrin receptors in cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2788-2796.	1.1	12
196	Heterogeneous Gold Nanoparticle-Based Catalysts for the Synthesis of Click-Derived Triazoles via the Azide-Alkyne Cycloaddition Reaction. <i>Catalysts</i> , 2022, 12, 45.	1.6	12
197	Comparison of Crystal Field Dependent and Independent Methods to Analyse Lanthanide Induced NMR Shifts in Axially Symmetric Complexes. Part II: Systems with a C <sub>4</sub> Symmetry Axis. <i>Bioinorganic Chemistry and Applications</i> , 2003, 1, 1-23.	1.8	11
198	Glycine – Nitrate Process for the Elaboration of Eu <sup>3+</sup> – Doped Gd <sub>2</sub> O <sub>3</sub> Bimodal Nanoparticles for Biomedical Applications. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1243-1253.	1.0	11

#	ARTICLE	IF	CITATIONS
199	Gd(III) complexes intercalated into hydroxy double salts as potential MRI contrast agents. Dalton Transactions, 2015, 44, 20728-20734.	1.6	11
200	In Vitro Hypocholesterolemic Effect of Coffee Compounds. Nutrients, 2020, 12, 437.	1.7	11
201	Nuclear magnetic resonance study of the configurational equilibria of ranitidine in solution. Magnetic Resonance in Chemistry, 1987, 25, 203-207.	1.1	10
202	Comparison of the use of gel threads and microcarrier beads in Li <sup>+</sup> transport studies of human neuroblastoma SH-SY5Y cells. Inorganica Chimica Acta, 1996, 251, 201-205.	1.2	10
203	Characterization of <sup>111</sup> In <sup>3+</sup> complexes of DTPA amide derivatives: biodistribution and clearance studied by gamma imaging. Nuclear Medicine and Biology, 2000, 27, 605-610.	0.3	10
204	Biocatalytic Polytransesterification of Inulin with Divinyladipate. Chemistry of Materials, 2002, 14, 4009-4011.	3.2	10
205	Tricarboxylic acid cycle inhibition by Li <sup>+</sup> in the human neuroblastoma SH-SY5Y cell line: A <sup>13</sup> C NMR isotopomer analysis. Neurochemistry International, 2005, 47, 385-393.	1.9	10
206	Sources of hepatic glycogen synthesis during an oral glucose tolerance test: Effect of transaldolase exchange on flux estimates. Magnetic Resonance in Medicine, 2009, 62, 1120-1128.	1.9	10
207	Biophysical characterization of laforin-carbohydrate interaction. Biochemical Journal, 2016, 473, 335-345.	1.7	10
208	Metal complexes for multimodal imaging of misfolded protein-related diseases. Dalton Transactions, 2017, 46, 14461-14474.	1.6	10
209	Metal centers in biomolecular solid-state NMR. Journal of Structural Biology, 2019, 206, 99-109.	1.3	10
210	A Frequency-Selective pH-Responsive paraCEST Agent. Angewandte Chemie - International Edition, 2020, 59, 21671-21676.	7.2	10
211	<sup>153</sup> Sm <sup>3+</sup> and <sup>111</sup> In <sup>3+</sup> DTPA derivatives with high hepatic specificity: in vivo and in vitro studies. Journal of Inorganic Biochemistry, 2002, 91, 312-319.	1.5	9
212	Effects of Li <sup>+</sup> transport and intracellular binding on Li <sup>+</sup> /Mg <sup>2+</sup> competition in bovine chromaffin cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1691, 79-90.	1.9	9
213	Studies on the biodistribution of dextrin nanoparticles. Nanotechnology, 2010, 21, 295103.	1.3	9
214	Amide conjugates of the DO3A-(N-ethyl-L-homine)propionate ligand: leads for stable, high relaxivity contrast agents for MRI?. Contrast Media and Molecular Imaging, 2013, 8, 40-49.	0.4	9
215	Dextrin-Based Nanomagnetogel: In Vivo Biodistribution and Stability. Bioconjugate Chemistry, 2015, 26, 699-706.	1.8	9
216	Hydroxy double salts intercalated with Mn(II) complexes as potential contrast agents. Solid State Sciences, 2016, 53, 9-16.	1.5	9

#	ARTICLE	IF	CITATIONS
217	Synthesis and complexation properties of a new tetraazatricarboxylate ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 2517-2521.	1.1	8
218	Identification of Li <sup>+</sup> binding sites and the effect of Li <sup>+</sup> treatment on phospholipid composition in human neuroblastoma cells: a <sup>7</sup> Li and <sup>31</sup> P NMR study. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1741, 339-349.	1.8	8
219	Radiolabelled <sup>153</sup> Sm-chelates of glycoconjugates: multivalence and topology effects on the targeting of the asialoglycoprotein receptor. <i>Radiochimica Acta</i> , 2007, 95, .	0.5	8
220	H <sub>5</sub> EPTPACH <sub>2</sub> OH: Synthesis, Relaxometric Characterization and <sup>1</sup> H NMR Spectroscopic Studies on the Solution Dynamics of Its Ln <sup>III</sup> Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5489-5499.	1.0	8
221	Sources of hepatic glucose production by <sup>2</sup> H <sub>2</sub> O ingestion and Bayesian analysis of <sup>2</sup> H glucuronide enrichment. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 517-523.	1.9	8
222	Glycoconjugate probes and targets for molecular imaging using magnetic resonance. <i>Future Medicinal Chemistry</i> , 2010, 2, 409-425.	1.1	8
223	Comparing spectroscopic and electrochemical properties of complexes of type Cp <sup>TM</sup> ( <i>i</i> -3-C <sub>3</sub> H <sub>5</sub> )(CO) <sub>2</sub> (Cp <sup>TM</sup> =Cp, Ind, Flu): A complementary experimental and DFT study. <i>Journal of Organometallic Chemistry</i> , 2015, 792, 154-166.	0.8	8
224	Detection of glucose-derived d- and l-lactate in cancer cells by the use of a chiral NMR shift reagent. <i>Cancer &amp; Metabolism</i> , 2021, 9, 38.	2.4	8
225	Multinuclear nuclear magnetic resonance, studies of lead(II) soaps. Part 3. "Studies on the liquid phase with reference to the behaviour of the corresponding acids. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 3117-3122.	1.7	7
226	Accumulation of Eu <sup>3+</sup> chelates in cells expressing or not P-glycoprotein: Implications for blood-brain barrier crossing. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 47-54.	1.5	7
227	Ga[NO <sub>2</sub> A-N( <i>i</i> -amino)propionate] chelates: synthesis and evaluation as potential tracers for <sup>68</sup> Ga PET. <i>Dalton Transactions</i> , 2014, 43, 8037-8047.	1.6	7
228	Mn(II)-Based Lipidic Nanovesicles as High-Efficiency MRI Probes. <i>ACS Applied Bio Materials</i> , 2020, 3, 2401-2409.	2.3	7
229	Paramagnetic NMR Effects of Lanthanide Ions as Structural Reporters of Supramolecular Complexes. , 1999, , 133-154.		7
230	Lanthanides as shift and relaxation agents in elucidating the structure of proteins and nucleic acids. <i>Metal Ions in Biological Systems</i> , 2003, 40, 513-88.	0.4	7
231	Macrocyclic and polymeric lanthanide chelates: from physico-chemical studies to biomedical applications. <i>Journal of Alloys and Compounds</i> , 2002, 344, 4-8.	2.8	6
232	Quantification and Localization of Intracellular Free Mg <sup>2+</sup> in Bovine Chromaffin Cells. <i>Metal-Based Drugs</i> , 2002, 9, 69-80.	3.8	6
233	Studies of inclusion complexes between cyclodextrins and polyazamacrocyclic chelates of lanthanide (III) ions. <i>Journal of Chemical Thermodynamics</i> , 2003, 35, 1717-1735.	1.0	6
234	Evaluation of [Co(gly) <sub>3</sub> ]-as a <sup>35</sup> Cl-NMR Shift Reagent for Cellular Studies. <i>Inorganic Chemistry</i> , 2003, 42, 2774-2782.	1.9	6

#	ARTICLE	IF	CITATIONS
235	Crystal Structure of the VV Dimer $[V_2O_2(\mu_4-O)(dmpp)_2(OCH_3)_2]$ and Its Equilibrium with the VV Trimer $[V_3O_3(\mu_4-O)_3(dmpp)_3(H_2O)](H_2O)_2$ in Methanol/Water Solutions. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3586-3594.	1.0	6
236	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
237	Photophysical studies on lanthanide(III) chelates conjugated to Pittsburgh compound B as luminescent probes targeted to $A\beta$ amyloid aggregates. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1522-1537.	1.6	6
238	Concentration-Dependent Interactions of Amphiphilic PiB Derivative Metal Complexes with Amyloid Peptides $A\beta$ and Amylin**. <i>Chemistry - A European Journal</i> , 2021, 27, 2009-2020.	1.7	6
239	Multinuclear NMR studies of some oxomolybdenum(VI) complexes with polyaminocarboxylates. <i>Inorganica Chimica Acta</i> , 1993, 208, 123-133.	1.2	5
240	Human Erythrocytes Are Protected against Chromate-Induced Peroxidation. <i>Ecotoxicology and Environmental Safety</i> , 1999, 43, 38-46.	2.9	5
241	The interaction of $La^{3+}$ complexes of DOTA/DTPA glycoconjugates with the RCA120 lectin: a saturation transfer difference NMR spectroscopic study. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 725-734.	1.1	5
242	Tris(phosphonomethyl)cyclen Derivatives: Thermodynamic Stability, Kinetics, Solution Structure, and Relaxivity of $Ln^{3+}$ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2548-2559.	1.0	5
243	MR Fat Fraction Mapping. <i>Academic Radiology</i> , 2013, 20, 957-961.	1.3	5
244	Combining gene therapy with other therapeutic strategies and imaging agents for cancer theranostics. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120905.	2.6	5
245	Arsenic-75 nuclear magnetic resonance: Study of the interaction of arsenate with various molecules of biological interest. <i>Journal of Inorganic Biochemistry</i> , 1992, 46, 99-108.	1.5	4
246	$Li^+$ Influx and Binding, and $Li^+/Mg^{2+}$ Competition in Bovine Chromaffin Cell Suspensions as Studied by $^7Li$ NMR and Fluorescence Spectroscopy. <i>Metal-Based Drugs</i> , 2000, 7, 357-364.	3.8	4
247	Solution behaviour of lead(II) carboxylates in organic solvents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 250, 459-465.	2.3	4
248	Mechanisms underlying $Li^+$ effects in glutamatergic and GABAergic neurotransmissions in the adult rat brain and in primary cultures of neural cells as revealed by $^{13}C$ NMR. <i>Journal of Neuroscience Research</i> , 2009, 87, 1046-1055.	1.3	4
249	Effect of cyclosporine A on hepatic carbohydrate metabolism and hepatic gene expression in rat. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2012, 8, 1223-1230.	1.5	4
250	Multifunctionalization of cyanuric chloride for the stepwise synthesis of potential multimodal imaging chemical entities. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2517-2525.	2.3	4
251	Metal complexes for the visualisation of amyloid peptides. <i>Sensors &amp; Diagnostics</i> , 2022, 1, 627-647.	1.9	4
252	Solvent effects on the conformation of nucleotides. Part 2. Nuclear magnetic shift and relaxation effects induced by lanthanide ions on adenosine 5'-monophosphate in water-dimethyl sulphoxide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1984, , 267-272.	1.1	3

#	ARTICLE	IF	CITATIONS
253	The Use of Microcarrier Beads in Ion Transport NMR Studies of Perfused Cells. <i>Journal of Magnetic Resonance Series B</i> , 1995, 108, 81-85.	1.6	3
254	Formation and decomposition study of electrochemically-generated nickel(III)â€“ota complexes in aqueous solution (nota3â€“= 1,4,7-triazacyclononane-N,Nâ€“2,Nâ€“3-triacetate). <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2041-2044.	1.1	3
255	Quantification of BrÃnsted Acid Sites in Zeolites by Water Desorption Thermogravimetry. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1860-1866.	1.0	3
256	Modeling Gd<sup>3+</sup> Complexes for Molecular Dynamics Simulations: Toward a Rational Optimization of MRI Contrast Agents. <i>Inorganic Chemistry</i> , 2022, 61, 11837-11858.	1.9	3
257	Potentiometric, luminescence and NMR study of the interaction of EuIII with glyceryl phosphates. <i>Polyhedron</i> , 1996, 15, 4331-4340.	1.0	2
258	Conformation study of HA(306â€“318) antigenic peptide of the haemagglutinin influenza virus protein. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 711-718.	2.0	2
259	Non-crystallographic symmetry in proteins: Jahnâ€“Teller-like and Butterfly-like effects?. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 91-101.	1.1	2
260	Complexes of Bifunctional DO3A-N-(Î±-amino)propionate Ligands with Mg(II), Ca(II), Cu(II), Zn(II), and Lanthanide(III) Ions: Thermodynamic Stability, Formation and Dissociation Kinetics, and Solution Dynamic NMR Studies. <i>Molecules</i> , 2021, 26, 4956.	1.7	2
261	Lanthanopolyoxometalateâ€“Silica Core/Shell Nanoparticles as Potential MRI Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3458-3465.	1.0	2
262	An Integrative Approach to Understand the Effect of Sodium Thiocyanate on Human Carbonic Anhydrase 2. <i>FASEB Journal</i> , 2021, 35, .	0.2	1
263	NMR Structural Techniques in Biochemical and Bioinorganic Systems: Paramagnetic Shift and Relaxation Probes. , 1993, , 279-312.		0
264	Effects of NADH and H2O2 on Chromate-Induced Human Erythrocytes Hemoglobin Oxidation and Peroxidation. <i>Ecotoxicology and Environmental Safety</i> , 2000, 47, 39-42.	2.9	0
265	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
266	Nature-inspired particles as carriers for multimodal molecular imaging applications. , 2012, , .		0
267	Molecular Probes for Magnetic Resonance Imaging of Amyloid Î² Peptides. , 2018, , .		0
268	A Frequencyâ€“Selective pHâ€“Responsive paraCEST Agent. <i>Angewandte Chemie</i> , 2020, 132, 21855-21860.	1.6	0
269	Concentrationâ€“Dependent Interactions of Amphiphilic PiB Derivative Metal Complexes with Amyloid Peptides AÎ² and Amylin**. <i>Chemistry - A European Journal</i> , 2021, 27, 1864-1864.	1.7	0