Eva Toth

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3928112/publications.pdf

Version: 2024-02-01

199 papers	10,483 citations	27035 58 h-index	51423 90 g-index
221 all docs	221 docs citations	221 times ranked	8819 citing authors

#	Article	IF	Citations
1	A New Oxygen Containing Pyclen-Type Ligand as a Manganese(II) Binder for MRI and 52Mn PET Applications: Equilibrium, Kinetic, Relaxometric, Structural and Radiochemical Studies. Molecules, 2022, 27, 371.	1.7	6
2	Exceptional Manganese(II) Stability and Manganese(II)/Zinc(II) Selectivity with Rigid Polydentate Ligands**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	26
3	Gd^{III} and Ga^{III} complexes with a new tris-3,4-HOPO ligand as new imaging probes: complex stability, magnetic properties and biodistribution. Dalton Transactions, 2022, , .	1.6	2
4	Metal complexes for the visualisation of amyloid peptides. Sensors & Diagnostics, 2022, 1, 627-647.	1.9	4
5	Rigidified Derivative of the Non-macrocyclic Ligand H₄OCTAPA for Stable Lanthanide(III) Complexation. Inorganic Chemistry, 2022, 61, 5157-5171.	1.9	11
6	On the Versatility of Nanozeolite Linde Type L for Biomedical Applications: Zirconium-89 Radiolabeling and In Vivo Positron Emission Tomography Study. ACS Applied Materials & Interfaces, 2022, 14, 32788-32798.	4.0	2
7	Concentrationâ€Dependent Interactions of Amphiphilic PiB Derivative Metal Complexes with Amyloid Peptides AÎ² and Amylin**. Chemistry - A European Journal, 2021, 27, 2009-2020.	1.7	6
8	Concentrationâ€Dependent Interactions of Amphiphilic PiB Derivative Metal Complexes with Amyloid Peptides AÎ² and Amylin**. Chemistry - A European Journal, 2021, 27, 1864-1864.	1.7	0
9	Gd3+ Complexes Conjugated to Cyclodextrins: Hydroxyl Functions Influence the Relaxation Properties. Processes, 2021, 9, 269.	1.3	1
10	Stability, relaxometric and computational studies on Mn²⁺ complexes with ligands containing a cyclobutane scaffold. Dalton Transactions, 2021, 50, 1076-1085.	1.6	4
11	Expanding the Ligand Classes Used for Mn(II) Complexation: Oxa-aza Macrocycles Make the Difference. Molecules, 2021, 26, 1524.	1.7	7
12	Lanthanide DO3A-Complexes Bearing Peptide Substrates: The Effect of Peptidic Side Chains on Metal Coordination and Relaxivity. Molecules, 2021, 26, 2176.	1.7	2
13	Metal-based environment-sensitive MRI contrast agents. Current Opinion in Chemical Biology, 2021, 61, 154-169.	2.8	15
14	Doxorubicinâ€Sensitized Luminescence of NIRâ€Emitting Ytterbium Liposomes: Towards Direct Monitoring of Drug Release. Angewandte Chemie - International Edition, 2021, 60, 23574-23577.	7.2	7
15	Doxorubicinâ€Sensitized Luminescence of NIRâ€Emitting Ytterbium Liposomes: Towards Direct Monitoring of Drug Release. Angewandte Chemie, 2021, 133, 23766.	1.6	1
16	Complexation of Mn(II) by Rigid Pyclen Diacetates: Equilibrium, Kinetic, Relaxometric, Density Functional Theory, and Superoxide Dismutase Activity Studies. Inorganic Chemistry, 2021, 60, 1133-1148.	1.9	34
17	MRI relaxation agents based on transition metals. Advances in Inorganic Chemistry, 2021, 78, 109-142.	0.4	2
18	LDL-mimetic lipid nanoparticles prepared by surface KAT ligation forin vivoMRI of atherosclerosis. Chemical Science, 2020, 11, 11998-12008.	3.7	13

#	Article	IF	Citations
19	Photophysical studies on lanthanide(iii) chelates conjugated to Pittsburgh compound B as luminescent probes targeted to AÎ² amyloid aggregates. Photochemical and Photobiological Sciences, 2020, 19, 1522-1537.	1.6	6
20	Synthesis and In Vitro Studies of a Gd(DOTA)â€“Porphyrin Conjugate for Combined MRI and Photodynamic Treatment. Inorganic Chemistry, 2020, 59, 14389-14398.	1.9	20
21	Mn(II)-Based MRI Contrast Agent Candidate for Vascular Imaging. Journal of Medicinal Chemistry, 2020, 63, 6057-6065.	2.9	41
22	InnenrÃ¼cktitelbild: Unprecedented Kinetic Inertness for a Mn²⁺â€Bispidine Chelate: A Novel Structural Entry for Mn²⁺â€Based Imaging Agents (Angew. Chem. 29/2020). Angewandte Chemie, 2020, 132, 12319-12319.	1.6	0
23	Comparison of the equilibrium, kinetic and water exchange properties of some metal ion-DOTA and DOTA-bis(amide) complexes. Journal of Inorganic Biochemistry, 2020, 206, 111042.	1.5	10
24	Dual Imaging Gold Nanoplatforms for Targeted Radiotheranostics. Materials, 2020, 13, 513.	1.3	15
25	Unexpected Trends in the Stability and Dissociation Kinetics of Lanthanide(III) Complexes with Cyclen-Based Ligands across the Lanthanide Series. Inorganic Chemistry, 2020, 59, 8184-8195.	1.9	15
26	Unprecedented Kinetic Inertness for a Mn²⁺â€Bispidine Chelate: A Novel Structural Entry for Mn²⁺â€Based Imaging Agents. Angewandte Chemie, 2020, 132, 12056-12061.	1.6	8
27	Unprecedented Kinetic Inertness for a Mn²⁺â€Bispidine Chelate: A Novel Structural Entry for Mn²⁺â€Based Imaging Agents. Angewandte Chemie - International Edition, 2020, 59, 11958-11963.	7.2	53
28	Gadolinium Complexes of Highly Rigid, Open-Chain Ligands Containing a Cyclobutane Ring in the Backbone: Decreasing Ligand Denticity Might Enhance Kinetic Inertness. Inorganic Chemistry, 2019, 58, 13170-13183.	1.9	10
29	A biocompatible redox MRI probe based on a Mn(<scp>ii</scp>)/Mn(<scp>iii</scp>) porphyrin. Dalton Transactions, 2019, 48, 3249-3262.	1.6	24
30	Toward MRI and Optical Detection of Zwitterionic Neurotransmitters: Near-Infrared Luminescent and Magnetic Properties of Macrocyclic Lanthanide(III) Complexes Appended with a Crown Ether and a Benzophenone Chromophore. Inorganic Chemistry, 2019, 58, 13619-13630.	1.9	11
31	Responsive ParaCEST Contrast Agents. Inorganics, 2019, 7, 68.	1.2	18
32	Highâ€Field Detection of Biomarkers with Fast Fieldâ€Cycling MRI: The Example of Zinc Sensing. Chemistry - A European Journal, 2019, 25, 8236-8239.	1.7	7
33	Metal-based redox-responsive MRI contrast agents. Coordination Chemistry Reviews, 2019, 390, 1-31.	9.5	59
34	Mn²⁺ complexes of open-chain ligands with a pyridine backbone: less donor atoms lead to higher kinetic inertness. New Journal of Chemistry, 2018, 42, 8012-8020.	1.4	17
35	Remarkable differences and similarities between the isomeric Mn(II)- cis - and trans-1,2-diaminocyclohexane- N , N , N â€², N â€²-tetraacetate complexes. Inorganica Chimica Acta, 2018, 472, 254-263.	1.2	21
36	Molecular Probes for Magnetic Resonance Imaging of Amyloid Î² Peptides. , 2018, , .		0

#	Article	IF	Citations
37	A Porphyrin Dimerâ€“GdDOTA Conjugate as a Theranostic Agent for One- and Two-Photon Photodynamic Therapy and MRI. Bioconjugate Chemistry, 2018, 29, 3726-3738.	1.8	35
38	A cocktail of ¹⁶⁵Er(<scp>iii</scp>) and Gd(<scp>iii</scp>) complexes for quantitative detection of zinc using SPECT and MRI. Chemical Communications, 2018, 54, 7597-7600.	2.2	16
39	Functionalised Carbon Nanotubes Enhance Brain Delivery of Amyloid-Targeting Pittsburgh Compound B (PiB)-Derived Ligands. Nanotheranostics, 2018, 2, 168-183.	2.7	48
40	A Bishydrated, Eightâ€“Coordinate Gd(III) Complex with Very Fast Water Exchange: Synthesis, Characterization, and Phantom MR Imaging. ChemistrySelect, 2018, 3, 7668-7673.	0.7	5
41	Luminescence Properties of Self-Aggregating TbIII-DOTA-Functionalized Calix[4]arenes. Frontiers in Chemistry, 2018, 6, 1.	1.8	358
42	Strategies for sensing neurotransmitters with responsive MRI contrast agents. Chemical Society Reviews, 2017, 46, 324-336.	18.7	38
43	Mechanostereoselective One-Pot Synthesis of Functionalized Head-to-Head Cyclodextrin [3]Rotaxanes and Their Application as Magnetic Resonance Imaging Contrast Agents. Organic Letters, 2017, 19, 1136-1139.	2.4	37
44	Lanthanide Complexes in Molecular Magnetic Resonance Imaging and Theranostics. ChemMedChem, 2017, 12, 883-894.	1.6	39
45	Next-Generation Magnetic Resonance Imaging Contrast Agents. Inorganic Chemistry, 2017, 56, 6029-6034.	1.9	34
46	Proton Exchange in a Paramagnetic Chemical Exchange Saturation Transfer Agent from Experimental Studies and ab Initio Metadynamics Simulation. Inorganic Chemistry, 2017, 56, 4317-4323.	1.9	15
47	Metal complexes for multimodal imaging of misfolded protein-related diseases. Dalton Transactions, 2017, 46, 14461-14474.	1.6	10
48	Novel CDTA-based, Bifunctional Chelators for Stable and Inert Mn^{II} Complexation: Synthesis and Physicochemical Characterization. Inorganic Chemistry, 2017, 56, 7746-7760.	1.9	36
49	Multimodal imaging Gd-nanoparticles functionalized with Pittsburgh compound B or a nanobody for amyloid plaques targeting. Nanomedicine, 2017, 12, 1675-1687.	1.7	29
50	Surface PEG Grafting Density Determines Magnetic Relaxation Properties of Gd-Loaded Porous Nanoparticles for MR Imaging Applications. ACS Applied Materials & Interfaces, 2017, 9, 23458-23465.	4.0	14
51	Approaching the Kinetic Inertness of Macrocyclic Gadolinium(III)â€Based MRI Contrast Agents with Highly Rigid Openâ€Chain Derivatives. Chemistry - A European Journal, 2016, 22, 896-901.	1.7	31
52	Four Gadolinium(III) Complexes Appended to a Porphyrin: A Water-Soluble Molecular Theranostic Agent with Remarkable Relaxivity Suited for MRI Tracking of the Photosensitizer. Inorganic Chemistry, 2016, 55, 4545-4554.	1.9	49
53	Molecular Magnetic Resonance Imaging Probes Based on Ln3+ Complexes. Advances in Inorganic Chemistry, 2016, 68, 43-96.	0.4	10
54	pHâ€Responsive Relaxometric Behaviour of Coordination Polymer Nanoparticles Made of a Stable Macrocyclic Gadolinium Chelate. Chemistry - A European Journal, 2016, 22, 13162-13170.	1.7	8

#	Article	IF	Citations
55	Gd-nanoparticles functionalization with specific peptides for ÃŸ-amyloid plaques targeting. Journal of Nanobiotechnology, 2016, 14, 60.	4.2	55
56	A Theranostic Agent Combining a Twoâ€Photonâ€Absorbing Photosensitizer for Photodynamic Therapy and a Gadolinium(III) Complex for MRI Detection. Chemistry - A European Journal, 2016, 22, 2775-2786.	1.7	58
57	Associating a negatively charged GdDOTA-derivative to the Pittsburgh compound B for targeting Aî² amyloid aggregates. Journal of Biological Inorganic Chemistry, 2016, 21, 83-99.	1.1	19
58	Smart Contrast Agents for Magnetic Resonance Imaging. Chimia, 2016, 70, 102.	0.3	19
59	Prototypes of Lanthanide(III) Agents Responsive to Enzymatic Activities in Three Complementary Imaging Modalities: Visible/Near-Infrared Luminescence, PARACEST-, and T₁-MRI. Journal of the American Chemical Society, 2016, 138, 2913-2916.	6.6	33
60	The quest for biocompatible phthalocyanines for molecular imaging: Photophysics, relaxometry and cytotoxicity studies. Journal of Inorganic Biochemistry, 2016, 154, 50-59.	1.5	24
61	Gallium-68 Complexes Conjugated to Pittsburgh Compound B: Radiolabeling and Biological Evaluation. Molecular Imaging and Biology, 2016, 18, 334-343.	1.3	16
62	Macrocyclic Gd³⁺ Complexes with Pendant Crown Ethers Designed for Binding Zwitterionic Neurotransmitters. Chemistry - A European Journal, 2015, 21, 11226-11237.	1.7	21
63	A Pyridine-Based Ligand with Two Hydrazine Functions for Lanthanide Chelation: Remarkable Kinetic Inertness for a Linear, Bishydrated Complex. Inorganic Chemistry, 2015, 54, 5991-6003.	1.9	21
64	MRI Sensing of Neurotransmitters with a Crown Ether Appended Gd³⁺ Complex. ACS Chemical Neuroscience, 2015, 6, 219-225.	1.7	43
65	H₄octapa: Highly Stable Complexation of Lanthanide(III) Ions and Copper(II). Inorganic Chemistry, 2015, 54, 2345-2356.	1.9	40
66	Interaction of PiBâ€Derivative Metal Complexes with Betaâ€Amyloid Peptides: Selective Recognition of the Aggregated Forms. Chemistry - A European Journal, 2015, 21, 5413-5422.	1.7	28
67	Metal Complexes as MRI Contrast Enhancement Agents. , 2015, , .		1
68	Stabilizing Divalent Europium in Aqueous Solution Using Size-Discrimination and Electrostatic Effects. Inorganic Chemistry, 2015, 54, 4940-4952.	1.9	39
69	X-ray-induced radiophotodynamic therapy (RPDT) using lanthanide micelles: Beyond depth limitations. Nano Research, 2015, 8, 2373-2379.	5.8	77
70	Mechanistic Studies of Gd³⁺â€Based MRI Contrast Agents for Zn²⁺ Detection: Towards Rational Design. Chemistry - A European Journal, 2014, 20, 10959-10969.	1.7	27
71	Cyclodextrin Polyrotaxanes as a Highly Modular Platform for the Development of Imaging Agents. Chemistry - A European Journal, 2014, 20, 10915-10920.	1.7	39
72	Gd3+ complexes conjugated to Pittsburgh compound B: potential MRI markers of Î²-amyloid plaques. Journal of Biological Inorganic Chemistry, 2014, 19, 281-295.	1.1	42

#	Article	IF	Citations
73	Nanozeoliteâ€LTL with Gd^{III} Deposited in the Large and Eu^{III} in the Small Cavities as a Magnetic Resonance Optical Imaging Probe. Chemistry - A European Journal, 2014, 20, 3358-3364.	1.7	15
74	Ln[DO3A-N-Î±-(pyrenebutanamido)propionate] complexes: optimized relaxivity and NIR optical properties. Dalton Transactions, 2014, 43, 3162-3173.	1.6	14
75	A Bis(pyridine Nâ€oxide) Analogue of DOTA: Relaxometric Properties of the Gd^{III} Complex and Efficient Sensitization of Visible and NIRâ€Emitting Lanthanide(III) Cations Including Pr^{III} and Ho^{III}. Chemistry - A European Journal, 2014, 20, 14834-14845.	1.7	29
76	Thermodynamic stability and relaxation studies of small, triaza-macrocyclic Mn(ii) chelates. Dalton Transactions, 2013, 42, 4522.	1.6	31
77	Relaxometry Studies of a Highly Stable Nanoscale Metalâ€“Organic Framework Made of Cu(II), Gd(III), and the Macrocyclic DOTP. Journal of the American Chemical Society, 2013, 135, 17711-17714.	6.6	69
78	PiB-Conjugated, Metal-Based Imaging Probes: Multimodal Approaches for the Visualization of Î²-Amyloid Plaques. ACS Medicinal Chemistry Letters, 2013, 4, 436-440.	1.3	48
79	Amide conjugates of the DO3Aâ€Nâ€(Î±â€amino)propionate ligand: leads for stable, high relaxivity contrast agents for MRI?. Contrast Media and Molecular Imaging, 2013, 8, 40-49.	0.4	9
80	Lanthanideâ€Based, Nearâ€Infrared Luminescent and Magnetic Lipoparticles: Monitoring Particle Integrity. Small, 2013, 9, 2662-2666.	5.2	10
81	New tris-3,4-HOPO lanthanide complexes as potential imaging probes: complex stability and magnetic properties. Dalton Transactions, 2013, 42, 6046.	1.6	28
82	Lanthanide Complexes Based on a Diazapyridinophane Platform Containing Picolinate Pendants. Inorganic Chemistry, 2012, 51, 10893-10903.	1.9	33
83	Lanthanide Complexes Formed with the Tri- and Tetraacetate Derivatives of Bis(aminomethyl)phosphinic Acid: Equilibrium, Kinetic and NMR Spectroscopic Studies. European Journal of Inorganic Chemistry, 2012, 2012, 2062-2073.	1.0	6
84	Tris(phosphonomethyl)cyclen Derivatives: Thermodynamic Stability, Kinetics, Solution Structure, and Relaxivity of Ln³⁺ Complexes. European Journal of Inorganic Chemistry, 2012, 2012, 2548-2559.	1.0	5
85	Manganese(II) Complexes as Potential Contrast Agents for MRI. European Journal of Inorganic Chemistry, 2012, 2012, 1975-1986.	1.0	159
86	Isoquinoline-Based Lanthanide Complexes: Bright NIR Optical Probes and Efficient MRI Agents. Inorganic Chemistry, 2012, 51, 2522-2532.	1.9	64
87	Lanthanide(III) Complexes That Contain a Selfâ€Immolative Arm: Potential Enzyme Responsive Contrast Agents for Magnetic Resonance Imaging. Chemistry - A European Journal, 2012, 18, 1408-1418.	1.7	32
88	Pyridineâ€Based Lanthanide Complexes Combining MRI and NIR Luminescence Activities. Chemistry - A European Journal, 2012, 18, 1419-1431.	1.7	89
89	Macrocyclic Receptor Showing Extremely High Sr(II)/Ca(II) and Pb(II)/Ca(II) Selectivities with Potential Application in Chelation Treatment of Metal Intoxication. Inorganic Chemistry, 2011, 50, 3772-3784.	1.9	60
90	Mn2+ complexes of 1-oxa-4,7-diazacyclononane based ligands with acetic, phosphonic and phosphinic acid pendant arms: Stability and relaxation studies. Dalton Transactions, 2011, 40, 10131.	1.6	44

#	Article	IF	Citations
91	Influence of Calcium-Induced Aggregation on the Sensitivity of Aminobis(methylenephosphonate)-Containing Potential MRI Contrast Agents. Inorganic Chemistry, 2011, 50, 6472-6481.	1.9	16
92	Lanthanide complexes as imaging agents anchored on nano-sized particles of boehmite. Dalton Transactions, 2011, 40, 6451.	1.6	18
93	Dissociation kinetics of Mn2+ complexes of NOTA and DOTA. Dalton Transactions, 2011, 40, 1945.	1.6	75
94	Mn²⁺ Complexes with 12-Membered Pyridine Based Macrocycles Bearing Carboxylate or Phosphonate Pendant Arm: Crystallographic, Thermodynamic, Kinetic, Redox, and ¹H/¹⁷O Relaxation Studies. Inorganic Chemistry, 2011, 50, 12785-12801.	1.9	75
95	Kinetics of Ga(NOTA) Formation from Weak Ga-Citrate Complexes. Inorganic Chemistry, 2011, 50, 10371-10378.	1.9	40
96	Efficient Access to C1â€•and C3â€Functionalized Isoquinolines: Towards Potential Lanthanide Ligands. European Journal of Organic Chemistry, 2011, 2011, 2120-2127.	1.2	8
97	A Pyrophosphateâ€Responsive Gadolinium(III) MRI Contrast Agent. Chemistry - A European Journal, 2011, 17, 223-230.	1.7	33
98	Calcium-responsive paramagnetic CEST agents. Bioorganic and Medicinal Chemistry, 2011, 19, 1097-1105.	1.4	52
99	Lanthanide(III) Complexes of 4,10â€Bis(phosphonomethyl)â€1,4,7,10â€tetraazacyclododecaneâ€1,7â€diacetic acid (transâ€H₆do2a2p) in Solution and in the Solid State: Structural Studies Along the Series. Chemistry - A European Journal, 2010, 16, 8446-8465.	1.7	44
100	Towards highly efficient, intelligent and bimodal imaging probes: Novel approaches provided by lanthanide coordination chemistry. Comptes Rendus Chimie, 2010, 13, 700-714.	0.2	41
101	Smart MR Imaging Agents Relevant to Potential Neurologic Applications. American Journal of Neuroradiology, 2010, 31, 401-409.	1.2	22
102	Welcome to â€˜Molecular Probes in Optical and Magnetic Resonance Imagingâ€™. Future Medicinal Chemistry, 2010, 2, 305-306.	1.1	0
103	MRI probes for sensing biologically relevant metal ions. Future Medicinal Chemistry, 2010, 2, 367-384.	1.1	44
104	Mn²⁺Complexes with Pyridine-Containing 15-Membered Macrocycles: Thermodynamic, Kinetic, Crystallographic, and¹H/¹⁷O Relaxation Studies. Inorganic Chemistry, 2010, 49, 3224-3238.	1.9	112
105	Gallium(III) Complexes of DOTA and DOTAâ€™Monoamide: Kinetic and Thermodynamic Studies. Inorganic Chemistry, 2010, 49, 10960-10969.	1.9	127
106	Molecular Recognition of Sialic Acid by Lanthanide(III) Complexes through Cooperative Two-Site Binding. Inorganic Chemistry, 2010, 49, 4212-4223.	1.9	33
107	Macrocyclic Gd³⁺ Chelates Attached to a Silsesquioxane Core as Potential Magnetic Resonance Imaging Contrast Agents: Synthesis, Physicochemical Characterization, and Stability Studies. Inorganic Chemistry, 2010, 49, 6124-6138.	1.9	59
108	Synthesis, characterization and biological evaluation of In(iii) complexes anchored by DOTA-like chelators bearing a quinazoline moiety. Metallomics, 2010, 2, 571.	1.0	15

#	Article	IF	Citations
109	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
110	Hydrophobic chromophore cargo in micellar structures: a different strategy to sensitize lanthanide cations. Chemical Communications, 2010, 46, 124-126.	2.2	32
111	A quinazoline-derivative DOTA-type gallium(III) complex for targeting epidermal growth factor receptors: synthesis, characterisation and biological studies. Journal of Biological Inorganic Chemistry, 2009, 14, 261-271.	1.1	15
112	Relaxation and luminescence studies on hydrated bipyridyl- and terpyridyl-based lanthanide complexes. Dalton Transactions, 2009, , 9466.	1.6	7
113	Macrocyclic Receptor Exhibiting Unprecedented Selectivity for Light Lanthanides. Journal of the American Chemical Society, 2009, 131, 3331-3341.	6.6	128
114	Stability, Water Exchange, and Anion Binding Studies on Lanthanide(III) Complexes with a Macrocyclic Ligand Based on 1,7-Diaza-12-crown-4: Extremely Fast Water Exchange on the Gd³⁺ Complex. Inorganic Chemistry, 2009, 48, 8878-8889.	1.9	54
115	Design and function of metal complexes as contrast agents in MRI. Advances in Inorganic Chemistry, 2009, 61, 63-129.	0.4	49
116	Gd(DO3A-N-Î±-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
117	A novel tetraazamacrocycle bearing a thiol pendant arm for labeling biomolecules with radiolanthanides. Dalton Transactions, 2009, , 4509.	1.6	24
118	Smart Magnetic Resonance Imaging Agents that Sense Extracellular Calcium Fluctuations. ChemBioChem, 2008, 9, 1729-1734.	1.3	84
119	Gd(III)â€EPTPAC₁₆, a new selfâ€assembling potential liver MRI contrast agent: in vitro characterization and in vivo animal imaging studies. NMR in Biomedicine, 2008, 21, 322-336.	1.6	14
120	In vivo MRI assessment of a novel Gd^{III}â€based contrast agent designed for high magnetic field applications. Contrast Media and Molecular Imaging, 2008, 3, 78-85.	0.4	33
121	Lanthanideâ€Based Conjugates as Polyvalent Probes for Biological Labeling. European Journal of Inorganic Chemistry, 2008, 2008, 2856-2862.	1.0	16
122	Detection of Enzymatic Activity by PARACEST MRI: A General Approach to Target a Large Variety of Enzymes. Angewandte Chemie - International Edition, 2008, 47, 4370-4372.	7.2	135
123	Facile Synthesis and Relaxation Properties of Novel Bispolyazamacrocyclic Gd³⁺ Complexes: An Attempt towards Calcium-Sensitive MRI Contrast Agents. Inorganic Chemistry, 2008, 47, 1370-1381.	1.9	65
124	Noncovalent Functionalization of Carbon Nanotubes with Amphiphilic Gd³⁺ Chelates:â€‰Toward Powerful T₁ and T₂ MRI Contrast Agents. Nano Letters, 2008, 8, 232-236.	4.5	156
125	Lanthanide Complexes Based on a 1,7-Diaza-12-crown-4 Platform Containing Picolinate Pendants: A New Structural Entry for the Design of Magnetic Resonance Imaging Contrast Agents. Inorganic Chemistry, 2008, 47, 7840-7851.	1.9	83
126	A benzene-core trinuclear Gd^{III}complex: towards the optimization of relaxivity for MRI contrast agent applications at high magnetic field. Dalton Transactions, 2008, , 1195-1202.	1.6	72

#	Article	IF	Citations
127	Pyridine-based lanthanide complexes: towards bimodal agents operating as near infrared luminescent and MRI reporters. Chemical Communications, 2008, , 6591.	2.2	132
128	Gadonanotubes as Ultrasensitive pH-Smart Probes for Magnetic Resonance Imaging. Nano Letters, 2008, 8, 415-419.	4.5	133
129	Gadolinium(iii) complexes of mono- and diethyl esters of monophosphonic acid analogue of DOTA as potential MRI contrast agents: solution structures and relaxometric studies. Dalton Transactions, 2007, , 493-501.	1.6	72
130	Dinuclear Complexes Formed with the Triazacyclononane Derivative ENOTA4-:Â High-Pressure17O NMR Evidence of an Associative Water Exchange on [MnII2(ENOTA)(H2O)2]. Inorganic Chemistry, 2007, 46, 238-250.	1.9	58
131	Understanding Paramagnetic Relaxation Phenomena for Water-Soluble Gadofullerenes. Journal of Physical Chemistry C, 2007, 111, 5633-5639.	1.5	63
132	Monopropionate analogues of DOTA4â€“ and DTPA5â€“: kinetics of formation and dissociation of their lanthanide(iii) complexes. Dalton Transactions, 2007, , 3572.	1.6	34
133	H₅EPTPACH₂OH: Synthesis, Relaxometric Characterization and ¹H NMR Spectroscopic Studies on the Solution Dynamics of Its Ln^{III} Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 5489-5499.	1.0	8
134	Physicochemical and MRI characterization of Gd3+-loaded polyamidoamine and hyperbranched dendrimers. Journal of Biological Inorganic Chemistry, 2007, 12, 406-420.	1.1	78
135	Towards extracellular Ca2+ sensing by MRI: synthesis and calcium-dependent 1H and 17O relaxation studies of two novel bismacrocyclic Gd3+ complexes. Journal of Biological Inorganic Chemistry, 2007, 13, 35-46.	1.1	62
136	Pyridine and phosphonate containing ligands for stable lanthanide complexation. An experimental and theoretical study to assess the solution structure. Dalton Transactions, 2006, , 5404-5415.	1.6	44
137	Positively charged GdIIIcryptates: slow, associative water exchange. Dalton Transactions, 2006, , 629-634.	1.6	17
138	Phosphinic derivative of DTPA conjugated to a G5 PAMAM dendrimer: an17O and1H relaxation study of its Gd(iii) complex. Dalton Transactions, 2006, , 3399-3406.	1.6	41
139	Pyridine- and Phosphonate-Containing Ligands for Stable Ln Complexation. Extremely Fast Water Exchange on the GdIIIChelates. Inorganic Chemistry, 2006, 45, 8719-8728.	1.9	87
140	Supramolecular Assembly of an Amphiphilic GdIII Chelate: Tuning the Reorientational Correlation Time and the Water Exchange Rate. Chemistry - A European Journal, 2006, 12, 940-948.	1.7	56
141	A Starburst-Shaped Heterometallic Compound Incorporating Six Densely Packed Gd3+ Ions. Chemistry - A European Journal, 2006, 12, 989-1003.	1.7	112
142	Unexpected Aggregation of Neutral, Xylene-Cored Dinuclear GdIII Chelates in Aqueous Solution. Chemistry - A European Journal, 2006, 12, 6841-6851.	1.7	33
143	Firstin vivo MRI assessment of a self-assembled metallostar compound endowed with a remarkable high field relaxivity. Contrast Media and Molecular Imaging, 2006, 1, 30-39.	0.4	70
144	Separation and Characterization of the Two Diastereomers for [Gd(DTPA-bz-NH2)(H2O)]2-, a Common Synthon in Macromolecular MRI Contrast Agents:â€‰ Their Water Exchange and Isomerization Kinetics. Inorganic Chemistry, 2005, 44, 3561-3568.	1.9	19

#	Article	IF	Citations
145	Lanthanide(III) Chelates of DTPA Bis(amide) Glycoconjugates: Potential Imaging Agents Targeted at the Asyaloglycoprotein Receptor. European Journal of Inorganic Chemistry, 2005, 2005, 2110-2119.	1.0	20
146	High Relaxivity Confined to a Small Molecular Space: A Metallostar-Based, Potential MRI Contrast Agent. Angewandte Chemie - International Edition, 2005, 44, 1480-1484.	7.2	149
147	High Relaxivity Confined to a Small Molecular Space: A Metallostar-Based, Potential MRI Contrast Agent. Angewandte Chemie, 2005, 117, 1504-1508.	1.6	20
148	Rotational Dynamics Account for pH-Dependent Relaxivities of PAMAM Dendrimeric, Gd-Based Potential MRI Contrast Agents. Chemistry - A European Journal, 2005, 11, 3064-3076.	1.7	113
149	Synthesis and complexation properties of DTPA-N,Nâ€³-bis[bis(n-butyl)]-Nâ€²-methyl-tris(amide). Kinetic stability and water exchange of its Gd3+complex. Dalton Transactions, 2005, , 694-701.	1.6	24
150	NMR relaxivity of Ln3+-based zeolite-type materials. Journal of Materials Chemistry, 2005, 15, 3832.	6.7	22
151	Kinetics of formation and dissociation of lanthanide(iii) complexes with the 13-membered macrocyclic ligand TRITA4â". Dalton Transactions, 2005, , 1058-1065.	1.6	39
152	The highest water exchange rate ever measured for a Gd(iii) chelate. Chemical Communications, 2005, , 4729.	2.2	39
153	Fine-tuning water exchange on GdIII poly(amino carboxylates) by modulation of steric crowding. Dalton Transactions, 2005, , 2713.	1.6	67
154	Destroying Gadofullerene Aggregates by Salt Addition in Aqueous Solution of Gd@C60(OH)xand Gd@C60[C(COOH2)]10. Journal of the American Chemical Society, 2005, 127, 9368-9369.	6.6	119
155	Dinuclear, Bishydrated GdIIIPolyaminocarboxylates with a Rigid Xylene Core Display Remarkable Proton Relaxivities. Inorganic Chemistry, 2005, 44, 4747-4755.	1.9	58
156	Water-Soluble Gadofullerenes:Â Toward High-Relaxivity, pH-Responsive MRI Contrast Agents. Journal of the American Chemical Society, 2005, 127, 799-805.	6.6	341
157	Superparamagnetic gadonanotubes are high-performance MRI contrast agents. Chemical Communications, 2005, , 3915.	2.2	310
158	Lanthanide(III) Complexes of DOTA-Glycoconjugates: A Potential New Class of Lectin-Mediated Medical Imaging Agents. Chemistry - A European Journal, 2004, 10, 5804-5816.	1.7	88
159	Enhanced imaging properties of a GdIII complex with unusually large relaxivity. Journal of Alloys and Compounds, 2004, 374, 298-302.	2.8	18
160	Metal Complexes as MRI Contrast Enhancement Agents. , 2003, , 841-881.		8
161	GdIII Complexes with Fast Water Exchange and High Thermodynamic Stability: Potential Building Blocks for High-Relaxivity MRI Contrast Agents. Chemistry - A European Journal, 2003, 9, 3555-3566.	1.7	162
162	Novel Macrocyclic EuII Complexes: Fast Water Exchange Related to an Extreme Mï£¿Owater Distance. Chemistry - A European Journal, 2003, 9, 1394-1404.	1.7	72

#	Article	IF	Citations
163	Stability, structure and dynamics of cationic lanthanide(iii) complexes of N,Nâ€²-bis(propylamide)ethylenediamine-N,Nâ€²-diacetic acid. Dalton Transactions, 2003, , 727-737.	1.6	32
164	HPLC separation of diastereomers of LnIII-ethylenepropylene-triamine-pentaacetate complexes. Direct assessment of their water exchange rate. Chemical Communications, 2003, , 2680-2681.	2.2	19
165	Relaxivity of MRI Contrast Agents. Topics in Current Chemistry, 2002, , 61-101.	4.0	168
166	EuII-cryptate with optimal water exchange and electronic relaxation: a synthon for potential pO2responsive macromolecular MRI contrast agents. Chemical Communications, 2002, , 2366-2367.	2.2	77
167	Accelerating water exchange for GdIIIchelates by steric compression around the water binding site. Chemical Communications, 2002, , 2630-2631.	2.2	91
168	The Impact of Rigidity and Water Exchange on the Relaxivity of a Dendritic MRI Contrast Agent. Chemistry - A European Journal, 2002, 8, 1040.	1.7	159
169	From monomers to micelles: investigation of the parameters influencing proton relaxivity. Journal of Biological Inorganic Chemistry, 2002, 7, 757-769.	1.1	124
170	First Solvation Shell of the Cu(II) Aqua Ion: Evidence for Fivefold Coordination. Science, 2001, 291, 856-859.	6.0	358
171	Lipari-Szabo approach as a tool for the analysis of macromolecular gadolinium(III)-based MRI contrast agents illustrated by the [Gd(EGTA-BA-(CH2)12)] n n + polymer. Journal of Biological Inorganic Chemistry, 2001, 6, 247-255.	1.1	50
172	Similarities and differences between the isoelectronic GdIII and EuII complexes with regard to MRI contrast agent applications. Coordination Chemistry Reviews, 2001, 216-217, 363-382.	9.5	81
173	Spectroscopic Study of the Hydration Equilibria and Water Exchange Dynamics of Lanthanide(III) Complexes of 1,7-Bis(carboxymethyl)-1,4,7,10-tetraazacyclododecane (DO2A). European Journal of Inorganic Chemistry, 2000, 2000, 1001-1006.	1.0	30
174	Solution and Solid-State Characterization of EuII Chelates: A Possible Route Towards Redox Responsive MRI Contrast Agents. Chemistry - A European Journal, 2000, 6, 3761-3770.	1.7	81
175	Equilibria and formation kinetics of some cyclen derivative complexes of lanthanides. Inorganica Chimica Acta, 2000, 298, 226-234.	1.2	50
176	Lanthanide Podates with Programmed Intermolecular Interactions:Â Luminescence Enhancement through Association with Cyclodextrins and Unusually Large Relaxivity of the Gadolinium Self-Aggregates. Journal of the American Chemical Society, 2000, 122, 10810-10820.	6.6	64
177	Mono- and bimetallic lanthanide(III) phenolic cryptates obtained by template reaction: solid state structure, photophysical properties and relaxivityâ€Šâ€. Dalton Transactions RSC, 2000, , 611-618.	2.3	46
178	EPR on aqueous Gd3+ complexes and a new analysis method considering both line widths and shifts. Physical Chemistry Chemical Physics, 2000, 2, 1311-1317.	1.3	36
179	Unexpected Differences in the Dynamics and in the Nuclear and Electronic Relaxation Properties of the Isoelectronic [EuII(DTPA)(H2O)]3-and [GdIII(DTPA)(H2O)]2-Complexes (DTPA = Diethylenetriamine) Tj ETQq1 1 0.784314 rgBT /Ove		
180	1H-NMRD and17O-NMR assessment of water exchange and rotational dynamics of two potential MRI agents: MP-1177 (an extracellular agent) and MP-2269 (a blood pool agent). Magnetic Resonance Materials in Physics, Biology, and Medicine, 1999, 8, 163-171.	1.1	8

#	Article	IF	Citations
181	Synthesis and physicochemical characterization of a novel precursor for covalently bound macromolecular MRI contrast agents. Journal of Biological Inorganic Chemistry, 1999, 4, 341-347.	1.1	33
182	Coordination equilibriumâ€" a clue for fast water exchange on potential magnetic resonance imaging contrast agents?. , 1999, 37, 701-708.		73
183	Gd(DTPA-bisamide)alkyl Copolymers: A Hint for the Formation of MRI Contrast Agents with Very High Relaxivity. Chemistry - A European Journal, 1999, 5, 1202-1211.	1.7	97
184	High Relaxivity for Monomeric Gd(DOTA)-Based MRI Contrast Agents, Thanks to Micellar Self-Organization. Chemistry - A European Journal, 1999, 5, 2977-2983.	1.7	121
185	Lanthanide(III)â€"1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid complexes in acidic medium: significant decrease in water exchange rateâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 2481-2486.	1.1	26
186	Nuclear and Electronic Relaxation of Eu2+(aq):Â An Extremely Labile Aqua Ion1. Journal of the American Chemical Society, 1999, 121, 10403-10409.	6.6	79
187	17O-NMR, EPR and NMRD Characterization of [Gd(DTPA-BMEA)(H2O)]: A Neutral MRI Contrast Agent. European Journal of Inorganic Chemistry, 1998, 1998, 2017-2021.	1.0	32
188	Gadolinium-based linear polymer with temperature-independent proton relaxivities: a unique interplay between the water exchange and rotational contributions. , 1998, 36, S125-S134.		37
189	Direct assessment of water exchange on a Gd(III) chelate bound to a protein. Journal of Biological Inorganic Chemistry, 1998, 3, 606-613.	1.1	51
190	Trinuclear Lanthanoid Complexes of 1,3,5-Triamino-1,3,5-trideoxy-cis-inositol with a Unique, Sandwich-Type Cage Structure1. Inorganic Chemistry, 1998, 37, 6698-6705.	1.9	60
191	Structure and Dynamics of a Trinuclear Gadolinium(III) Complex: The Effect of Intramolecular Electron Spin Relaxation on Its Proton Relaxivity1. Inorganic Chemistry, 1998, 37, 4104-4113.	1.9	63
192	Tuning water-exchange rates on (carboxymethyl)iminobis(ethylenenitrilo)tetraacetate (dtpa)-type gadolinium(III) complexes. Journal of the Chemical Society Dalton Transactions, 1997, , 1587-1594.	1.1	49
193	Stability constants and1H relaxation effects of ternary complexes formed between gd-dtpa, gd-dtpa-bma, gd-dota, and gd-edta and citrate, phosphate, and carbonate ions. Magnetic Resonance in Medicine, 1997, 38, 146-150.	1.9	56
194	Characterization of Lanthanide(III) DOTP Complexes:â€‰ Thermodynamics, Protonation, and Coordination to Alkali Metal Ions. Inorganic Chemistry, 1996, 35, 4604-4612.	1.9	119
195	Water Exchange and Rotational Dynamics of the Dimeric Gadolinium(III) Complex [BO{Gd(DO3A)(H2O)}2]:Â A Variable-Temperature and -Pressure17O NMR Study1. Inorganic Chemistry, 1996, 35, 3375-3379.	1.9	73
196	Equilibrium and kinetic studies on complexes of 10-[2,3-dihydroxy-(1-hydroxymethyl)-propyl]-1,4,7,10-tetraazacyclododecane-1,4,7-triacetate. Inorganica Chimica Acta, 1996, 249, 191-199.	1.2	71
197	The Role of Water Exchange in Attaining Maximum Relaxivities for Dendrimeric MRI Contrast Agents. Chemistry - A European Journal, 1996, 2, 1607-1615.	1.7	191
198	Stability constants of the lanthanide(III)-1,4,7,10-tetraazacyclododecane-N,Nâ€²,Nâ€³,Nâ€´-tetraacetate complexes. Inorganica Chimica Acta, 1994, 221, 165-167.	1.2	42

#	Article	IF	Citations
199	Kinetics of Formation and Dissociation of Lanthanide(III)-DOTA Complexes. Inorganic Chemistry, 1994, 33, 4070-4076.	1.9	199