## Eva Toth

## List of Publications by Year in descending order

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FVA TOTH

#	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.	3.8	6
2	Exceptional Manganese(II) Stability and Manganese(II)/Zinc(II) Selectivity with Rigid Polydentate Ligands**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	26
3	Gd <sup>III</sup> and Ga <sup>III</sup> complexes with a new tris-3,4-HOPO ligand as new imaging probes: complex stability, magnetic properties and biodistribution. Dalton Transactions, 2022, , .	3.3	2
4	Metal complexes for the visualisation of amyloid peptides. Sensors & Diagnostics, 2022, 1, 627-647.	3.8	4
5	Rigidified Derivative of the Non-macrocyclic Ligand H <sub>4</sub> OCTAPA for Stable Lanthanide(III) Complexation. Inorganic Chemistry, 2022, 61, 5157-5171.	4.0	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.	8.0	2
7	Concentrationâ€Dependent Interactions of Amphiphilic PiB Derivative Metal Complexes with Amyloid Peptides Aβ and Amylin**. Chemistry - A European Journal, 2021, 27, 2009-2020.	3.3	6
8	Concentrationâ€Dependent Interactions of Amphiphilic PiB Derivative Metal Complexes with Amyloid Peptides Aβ and Amylin**. Chemistry - A European Journal, 2021, 27, 1864-1864.	3.3	0
9	Gd3+ Complexes Conjugated to Cyclodextrins: Hydroxyl Functions Influence the Relaxation Properties. Processes, 2021, 9, 269.	2.8	1
10	Stability, relaxometric and computational studies on Mn <sup>2+</sup> complexes with ligands containing a cyclobutane scaffold. Dalton Transactions, 2021, 50, 1076-1085.	3.3	4
11	Expanding the Ligand Classes Used for Mn(II) Complexation: Oxa-aza Macrocycles Make the Difference. Molecules, 2021, 26, 1524.	3.8	7
12	Lanthanide DO3A-Complexes Bearing Peptide Substrates: The Effect of Peptidic Side Chains on Metal Coordination and Relaxivity. Molecules, 2021, 26, 2176.	3.8	2
13	Metal-based environment-sensitive MRI contrast agents. Current Opinion in Chemical Biology, 2021, 61, 154-169.	6.1	15
14	Doxorubicinâ€6ensitized Luminescence of NIRâ€Emitting Ytterbium Liposomes: Towards Direct Monitoring of Drug Release. Angewandte Chemie - International Edition, 2021, 60, 23574-23577.	13.8	7
15	Doxorubicin‣ensitized Luminescence of NIRâ€Emitting Ytterbium Liposomes: Towards Direct Monitoring of Drug Release. Angewandte Chemie, 2021, 133, 23766.	2.0	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.	4.0	34
17	MRI relaxation agents based on transition metals. Advances in Inorganic Chemistry, 2021, 78, 109-142.	1.0	2
18	LDL-mimetic lipid nanoparticles prepared by surface KAT ligation for <i>in vivo</i> MRI of atherosclerosis. Chemical Science, 2020, 11, 11998-12008.	7.4	13

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19	Photophysical studies on lanthanide(iii) chelates conjugated to Pittsburgh compound B as luminescent probes targeted to Aβ amyloid aggregates. Photochemical and Photobiological Sciences, 2020, 19, 1522-1537.	2.9	6
20	Synthesis and In Vitro Studies of a Gd(DOTA)–Porphyrin Conjugate for Combined MRI and Photodynamic Treatment. Inorganic Chemistry, 2020, 59, 14389-14398.	4.0	20
21	Mn(II)-Based MRI Contrast Agent Candidate for Vascular Imaging. Journal of Medicinal Chemistry, 2020, 63, 6057-6065.	6.4	41
22	Innenrücktitelbild: Unprecedented Kinetic Inertness for a Mn <sup>2+</sup> â€Bispidine Chelate: A Novel Structural Entry for Mn <sup>2+</sup> â€Based Imaging Agents (Angew. Chem. 29/2020). Angewandte Chemie, 2020, 132, 12319-12319.	2.0	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.	3.5	10
24	Dual Imaging Gold Nanoplatforms for Targeted Radiotheranostics. Materials, 2020, 13, 513.	2.9	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.	4.0	15
26	Unprecedented Kinetic Inertness for a Mn <sup>2+</sup> â€Bispidine Chelate: A Novel Structural Entry for Mn <sup>2+</sup> â€Based Imaging Agents. Angewandte Chemie, 2020, 132, 12056-12061.	2.0	8
27	Unprecedented Kinetic Inertness for a Mn <sup>2+</sup> â€Bispidine Chelate: A Novel Structural Entry for Mn <sup>2+</sup> â€Based Imaging Agents. Angewandte Chemie - International Edition, 2020, 59, 11958-11963.	13.8	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.	4.0	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.	3.3	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.	4.0	11
31	Responsive ParaCEST Contrast Agents. Inorganics, 2019, 7, 68.	2.7	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.	3.3	7
33	Metal-based redox-responsive MRI contrast agents. Coordination Chemistry Reviews, 2019, 390, 1-31.	18.8	59
34	Mn <sup>2+</sup> 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.	2.8	17
35	Remarkable differences and similarities between the isomeric Mn(II)- cis - and trans- 1,2-diaminocyclohexane- N , N , N ′, N ′-tetraacetate complexes. Inorganica Chimica Acta, 2018, 472, 254-26	3.4	21
36	Molecular Probes for Magnetic Resonance Imaging of Amyloid $\hat{l}^2$ Peptides. , 2018, , .		0

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37	A Porphyrin Dimer–GdDOTA Conjugate as a Theranostic Agent for One- and Two-Photon Photodynamic Therapy and MRI. Bioconjugate Chemistry, 2018, 29, 3726-3738.	3.6	35
38	A cocktail of <sup>165</sup> Er( <scp>iii</scp> ) and Gd( <scp>iii</scp> ) complexes for quantitative detection of zinc using SPECT and MRI. Chemical Communications, 2018, 54, 7597-7600.	4.1	16
39	Functionalised Carbon Nanotubes Enhance Brain Delivery of Amyloid-Targeting Pittsburgh Compound B (PiB)-Derived Ligands. Nanotheranostics, 2018, 2, 168-183.	5.2	48
40	A Bishydrated, Eight–Coordinate Gd(III) Complex with Very Fast Water Exchange: Synthesis, Characterization, and Phantom MR Imaging. ChemistrySelect, 2018, 3, 7668-7673.	1.5	5
41	Luminescence Properties of Self-Aggregating TbIII-DOTA-Functionalized Calix[4]arenes. Frontiers in Chemistry, 2018, 6, 1.	3.6	358
42	Strategies for sensing neurotransmitters with responsive MRI contrast agents. Chemical Society Reviews, 2017, 46, 324-336.	38.1	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.	4.6	37
44	Lanthanide Complexes in Molecular Magnetic Resonance Imaging and Theranostics. ChemMedChem, 2017, 12, 883-894.	3.2	39
45	Next-Generation Magnetic Resonance Imaging Contrast Agents. Inorganic Chemistry, 2017, 56, 6029-6034.	4.0	34
46	Proton Exchange in a Paramagnetic Chemical Exchange Saturation Transfer Agent from Experimental Studies and <i>ab Initio</i> Metadynamics Simulation. Inorganic Chemistry, 2017, 56, 4317-4323.	4.0	15
47	Metal complexes for multimodal imaging of misfolded protein-related diseases. Dalton Transactions, 2017, 46, 14461-14474.	3.3	10
48	Novel CDTA-based, Bifunctional Chelators for Stable and Inert Mn <sup>II</sup> Complexation: Synthesis and Physicochemical Characterization. Inorganic Chemistry, 2017, 56, 7746-7760.	4.0	36
49	Multimodal imaging Gd-nanoparticles functionalized with Pittsburgh compound B or a nanobody for amyloid plaques targeting. Nanomedicine, 2017, 12, 1675-1687.	3.3	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.	8.0	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.	3.3	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.	4.0	49
53	Molecular Magnetic Resonance Imaging Probes Based on Ln3+ Complexes. Advances in Inorganic Chemistry, 2016, 68, 43-96.	1.0	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.	3.3	8

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55	Gd-nanoparticles functionalization with specific peptides for ß-amyloid plaques targeting. Journal of Nanobiotechnology, 2016, 14, 60.	9.1	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.	3.3	58
57	Associating a negatively charged GdDOTA-derivative to the Pittsburgh compound B for targeting AÎ <sup>2</sup> amyloid aggregates. Journal of Biological Inorganic Chemistry, 2016, 21, 83-99.	2.6	19
58	Smart Contrast Agents for Magnetic Resonance Imaging. Chimia, 2016, 70, 102.	0.6	19
59	Prototypes of Lanthanide(III) Agents Responsive to Enzymatic Activities in Three Complementary Imaging Modalities: Visible/Near-Infrared Luminescence, PARACEST-, and T <sub>1</sub> -MRI. Journal of the American Chemical Society, 2016, 138, 2913-2916.	13.7	33
60	The quest for biocompatible phthalocyanines for molecular imaging: Photophysics, relaxometry and cytotoxicity studies. Journal of Inorganic Biochemistry, 2016, 154, 50-59.	3.5	24
61	Gallium-68 Complexes Conjugated to Pittsburgh Compound B: Radiolabeling and Biological Evaluation. Molecular Imaging and Biology, 2016, 18, 334-343.	2.6	16
62	Macrocyclic Gd <sup>3+</sup> Complexes with Pendant Crown Ethers Designed for Binding Zwitterionic Neurotransmitters. Chemistry - A European Journal, 2015, 21, 11226-11237.	3.3	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.	4.0	21
64	MRI Sensing of Neurotransmitters with a Crown Ether Appended Gd <sup>3+</sup> Complex. ACS Chemical Neuroscience, 2015, 6, 219-225.	3.5	43
65	H <sub>4</sub> octapa: Highly Stable Complexation of Lanthanide(III) Ions and Copper(II). Inorganic Chemistry, 2015, 54, 2345-2356.	4.0	40
66	Interaction of PiBâ€Đerivative Metal Complexes with Betaâ€Amyloid Peptides: Selective Recognition of the Aggregated Forms. Chemistry - A European Journal, 2015, 21, 5413-5422.	3.3	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.	4.0	39
69	X-ray-induced radiophotodynamic therapy (RPDT) using lanthanide micelles: Beyond depth limitations. Nano Research, 2015, 8, 2373-2379.	10.4	77
70	Mechanistic Studies of Gd <sup>3+</sup> â€Based MRI Contrast Agents for Zn <sup>2+</sup> Detection: Towards Rational Design. Chemistry - A European Journal, 2014, 20, 10959-10969.	3.3	27
71	Cyclodextrin Polyrotaxanes as a Highly Modular Platform for the Development of Imaging Agents. Chemistry - A European Journal, 2014, 20, 10915-10920.	3.3	39
72	Gd3+ complexes conjugated to Pittsburgh compound B: potential MRI markers of β-amyloid plaques. Journal of Biological Inorganic Chemistry, 2014, 19, 281-295.	2.6	42

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73	Nanozeolite‣TL with Gd <sup>III</sup> Deposited in the Large and Eu <sup>III</sup> in the Small Cavities as a Magnetic Resonance Optical Imaging Probe. Chemistry - A European Journal, 2014, 20, 3358-3364.	3.3	15
74	Ln[DO3A-N-α-(pyrenebutanamido)propionate] complexes: optimized relaxivity and NIR optical properties. Dalton Transactions, 2014, 43, 3162-3173.	3.3	14
75	A Bis(pyridine <i>N</i> â€oxide) Analogue of DOTA: Relaxometric Properties of the Gd <sup>III</sup> Complex and Efficient Sensitization of Visible and NIRâ€Emitting Lanthanide(III) Cations Including Pr <sup>III</sup> and Ho <sup>III</sup> . Chemistry - A European Journal, 2014, 20, 14834-14845.	3.3	29
76	Thermodynamic stability and relaxation studies of small, triaza-macrocyclic Mn(ii) chelates. Dalton Transactions, 2013, 42, 4522.	3.3	31
77	Relaxometry Studies of a Highly Stable Nanoscale Metal–Organic Framework Made of Cu(II), Gd(III), and the Macrocyclic DOTP. Journal of the American Chemical Society, 2013, 135, 17711-17714.	13.7	69
78	PiB-Conjugated, Metal-Based Imaging Probes: Multimodal Approaches for the Visualization of β-Amyloid Plaques. ACS Medicinal Chemistry Letters, 2013, 4, 436-440.	2.8	48
79	Amide conjugates of the DO3Aâ€ <i>N</i> â€{ <i>α</i> â€amino)propionate ligand: leads for stable, high relaxivity contrast agents for MRI?. Contrast Media and Molecular Imaging, 2013, 8, 40-49.	0.8	9
80	Lanthanideâ€Based, Nearâ€Infrared Luminescent and Magnetic Lipoparticles: Monitoring Particle Integrity. Small, 2013, 9, 2662-2666.	10.0	10
81	New tris-3,4-HOPO lanthanide complexes as potential imaging probes: complex stability and magnetic properties. Dalton Transactions, 2013, 42, 6046.	3.3	28
82	Lanthanide Complexes Based on a Diazapyridinophane Platform Containing Picolinate Pendants. Inorganic Chemistry, 2012, 51, 10893-10903.	4.0	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.	2.0	6
84	Tris(phosphonomethyl)cyclen Derivatives: Thermodynamic Stability, Kinetics, Solution Structure, and Relaxivity of Ln <sup>3+</sup> Complexes. European Journal of Inorganic Chemistry, 2012, 2012, 2548-2559.	2.0	5
85	Manganese(II) Complexes as Potential Contrast Agents for MRI. European Journal of Inorganic Chemistry, 2012, 2012, 1975-1986.	2.0	159
86	Isoquinoline-Based Lanthanide Complexes: Bright NIR Optical Probes and Efficient MRI Agents. Inorganic Chemistry, 2012, 51, 2522-2532.	4.0	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.	3.3	32
88	Pyridineâ€Based Lanthanide Complexes Combining MRI and NIR Luminescence Activities. Chemistry - A European Journal, 2012, 18, 1419-1431.	3.3	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.	4.0	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.	3.3	44

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91	Influence of Calcium-Induced Aggregation on the Sensitivity of Aminobis(methylenephosphonate)-Containing Potential MRI Contrast Agents. Inorganic Chemistry, 2011, 50, 6472-6481.	4.0	16
92	Lanthanide complexes as imaging agents anchored on nano-sized particles of boehmite. Dalton Transactions, 2011, 40, 6451.	3.3	18
93	Dissociation kinetics of Mn2+ complexes of NOTA and DOTA. Dalton Transactions, 2011, 40, 1945.	3.3	75
94	Mn <sup>2+</sup> Complexes with 12-Membered Pyridine Based Macrocycles Bearing Carboxylate or Phosphonate Pendant Arm: Crystallographic, Thermodynamic, Kinetic, Redox, and <sup>1</sup> H/ <sup>17</sup> O Relaxation Studies. Inorganic Chemistry, 2011, 50, 12785-12801.	4.0	75
95	Kinetics of Ga(NOTA) Formation from Weak Ga-Citrate Complexes. Inorganic Chemistry, 2011, 50, 10371-10378.	4.0	40
96	Efficient Access to C1―and C3â€Functionalized Isoquinolines: Towards Potential Lanthanide Ligands. European Journal of Organic Chemistry, 2011, 2011, 2120-2127.	2.4	8
97	A Pyrophosphateâ€Responsive Gadolinium(III) MRI Contrast Agent. Chemistry - A European Journal, 2011, 17, 223-230.	3.3	33
98	Calcium-responsive paramagnetic CEST agents. Bioorganic and Medicinal Chemistry, 2011, 19, 1097-1105.	3.0	52
99	Lanthanide(III) Complexes of 4,10â€Bis(phosphonomethyl)â€1,4,7,10â€ŧetraazacyclododecaneâ€1,7â€diacetic a ( <i>trans</i> â€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.	cid 3.3	44
100	Towards highly efficient, intelligent and bimodal imaging probes: Novel approaches provided by lanthanide coordination chemistry. Comptes Rendus Chimie, 2010, 13, 700-714.	0.5	41
101	Smart MR Imaging Agents Relevant to Potential Neurologic Applications. American Journal of Neuroradiology, 2010, 31, 401-409.	2.4	22
102	Welcome to â€~Molecular Probes in Optical and Magnetic Resonance Imaging'. Future Medicinal Chemistry, 2010, 2, 305-306.	2.3	0
103	MRI probes for sensing biologically relevant metal ions. Future Medicinal Chemistry, 2010, 2, 367-384.	2.3	44
104	Mn <sup>2+</sup> Complexes with Pyridine-Containing 15-Membered Macrocycles: Thermodynamic, Kinetic, Crystallographic, and <sup>1</sup> H/ <sup>17</sup> O Relaxation Studies. Inorganic Chemistry, 2010, 49, 3224-3238.	4.0	112
105	Gallium(III) Complexes of DOTA and DOTAâ^'Monoamide: Kinetic and Thermodynamic Studies. Inorganic Chemistry, 2010, 49, 10960-10969.	4.0	127
106	Molecular Recognition of Sialic Acid by Lanthanide(III) Complexes through Cooperative Two-Site Binding. Inorganic Chemistry, 2010, 49, 4212-4223.	4.0	33
107	Macrocyclic Gd <sup>3+</sup> 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.	4.0	59
108	Synthesis, characterization and biological evaluation of In(iii) complexes anchored by DOTA-like chelators bearing a quinazoline moiety. Metallomics, 2010, 2, 571.	2.4	15

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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.	3.3	36
110	Hydrophobic chromophore cargo in micellar structures: a different strategy to sensitize lanthanide cations. Chemical Communications, 2010, 46, 124-126.	4.1	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.	2.6	15
112	Relaxation and luminescence studies on hydrated bipyridyl- and terpyridyl-based lanthanide complexes. Dalton Transactions, 2009, , 9466.	3.3	7
113	Macrocyclic Receptor Exhibiting Unprecedented Selectivity for Light Lanthanides. Journal of the American Chemical Society, 2009, 131, 3331-3341.	13.7	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 Gd <sup>3+</sup> Complex. Inorganic Chemistry, 2009, 48, 8878-8889.	4.0	54
115	Design and function of metal complexes as contrast agents in MRI. Advances in Inorganic Chemistry, 2009, 61, 63-129.	1.0	49
116	Gd(DO3A-N-α-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.	4.1	37
117	A novel tetraazamacrocycle bearing a thiol pendant arm for labeling biomolecules with radiolanthanides. Dalton Transactions, 2009, , 4509.	3.3	24
118	Smart Magnetic Resonance Imaging Agents that Sense Extracellular Calcium Fluctuations. ChemBioChem, 2008, 9, 1729-1734.	2.6	84
119	Gd(III)â€EPTPAC <sub>16</sub> , a new selfâ€assembling potential liver MRI contrast agent: <i>in vitro</i> characterization and <i>in vivo</i> animal imaging studies. NMR in Biomedicine, 2008, 21, 322-336.	2.8	14
120	<i>In vivo</i> MRI assessment of a novel Gd <sup>III</sup> â€based contrast agent designed for high magnetic field applications. Contrast Media and Molecular Imaging, 2008, 3, 78-85.	0.8	33
121	Lanthanideâ€Based Conjugates as Polyvalent Probes for Biological Labeling. European Journal of Inorganic Chemistry, 2008, 2008, 2856-2862.	2.0	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.	13.8	135
123	Facile Synthesis and Relaxation Properties of Novel Bispolyazamacrocyclic Gd <sup>3+</sup> Complexes: An Attempt towards Calcium-Sensitive MRI Contrast Agents. Inorganic Chemistry, 2008, 47, 1370-1381.	4.0	65
124	Noncovalent Functionalization of Carbon Nanotubes with Amphiphilic Gd <sup>3+</sup> Chelates: Toward Powerful T <sub>1</sub> and T <sub>2</sub> MRI Contrast Agents. Nano Letters, 2008, 8, 232-236.	9.1	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.	4.0	83
126	A benzene-core trinuclear Gd <sup>III</sup> complex: towards the optimization of relaxivity for MRI contrast agent applications at high magnetic field. Dalton Transactions, 2008, , 1195-1202.	3.3	72

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127	Pyridine-based lanthanide complexes: towards bimodal agents operating as near infrared luminescent and MRI reporters. Chemical Communications, 2008, , 6591.	4.1	132
128	Gadonanotubes as Ultrasensitive pH-Smart Probes for Magnetic Resonance Imaging. Nano Letters, 2008, 8, 415-419.	9.1	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.	3.3	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.	4.0	58
131	Understanding Paramagnetic Relaxation Phenomena for Water-Soluble Gadofullerenes. Journal of Physical Chemistry C, 2007, 111, 5633-5639.	3.1	63
132	Monopropionate analogues of DOTA4– and DTPA5–: kinetics of formation and dissociation of their lanthanide(iii) complexes. Dalton Transactions, 2007, , 3572.	3.3	34
133	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. European Journal of Inorganic Chemistry, 2007, 2007, 5489-5499.	2.0	8
134	Physicochemical and MRI characterization of Gd3+-loaded polyamidoamine and hyperbranched dendrimers. Journal of Biological Inorganic Chemistry, 2007, 12, 406-420.	2.6	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.	2.6	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.	3.3	44
137	Positively charged GdIIIcryptates: slow, associative water exchange. Dalton Transactions, 2006, , 629-634.	3.3	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.	3.3	41
139	Pyridine- and Phosphonate-Containing Ligands for Stable Ln Complexation. Extremely Fast Water Exchange on the GdIIIChelates. Inorganic Chemistry, 2006, 45, 8719-8728.	4.0	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.	3.3	56
141	A Starburst-Shaped Heterometallic Compound Incorporating Six Densely Packed Gd3+ Ions. Chemistry - A European Journal, 2006, 12, 989-1003.	3.3	112
142	Unexpected Aggregation of Neutral, Xylene-Cored Dinuclear GdIII Chelates in Aqueous Solution. Chemistry - A European Journal, 2006, 12, 6841-6851.	3.3	33
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144	Separation and Characterization of the Two Diastereomers for [Gd(DTPA-bz-NH2)(H2O)]2-, a Common Synthon in Macromolecular MRI Contrast Agents:  Their Water Exchange and Isomerization Kinetics. Inorganic Chemistry, 2005, 44, 3561-3568.	4.0	19

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