

Eva Toth

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206
papers

8,995
citations

54
h-index

84
g-index

221
ext. papers

9,647
ext. citations

5.9
avg, IF

5.87
L-index

#	Paper	IF	Citations
206	Exceptional Manganese(II) Stability and Manganese(II) / Zinc(II) Selectivity with Rigid Polydentate Ligands.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	3
205	Rigidified Derivative of the Non-macrocyclic Ligand HOCTAPA for Stable Lanthanide(III) Complexation.. <i>Inorganic Chemistry</i> , 2022 ,	5.1	3
204	MRI relaxation agents based on transition metals. <i>Advances in Inorganic Chemistry</i> , 2021 , 78, 109-142	2.1	0
203	Complexation of Mn(II) by Rigid Pyclen Diacetates: Equilibrium, Kinetic, Relaxometric, Density Functional Theory, and Superoxide Dismutase Activity Studies. <i>Inorganic Chemistry</i> , 2021 , 60, 1133-1148	5.1	12
202	Expanding the Ligand Classes Used for Mn(II) Complexation: Oxa-aza Macrocycles Make the Difference. <i>Molecules</i> , 2021 , 26,	4.8	2
201	Lanthanide DO3A-Complexes Bearing Peptide Substrates: The Effect of Peptidic Side Chains on Metal Coordination and Relaxivity. <i>Molecules</i> , 2021 , 26,	4.8	1
200	Metal-based environment-sensitive MRI contrast agents. <i>Current Opinion in Chemical Biology</i> , 2021 , 61, 154-169	9.7	5
199	Concentration-Dependent Interactions of Amphiphilic PiB Derivative Metal Complexes with Amyloid Peptides A β and Amylin*. <i>Chemistry - A European Journal</i> , 2021 , 27, 2009-2020	4.8	3
198	Concentration-Dependent Interactions of Amphiphilic PiB Derivative Metal Complexes with Amyloid Peptides A β and Amylin*. <i>Chemistry - A European Journal</i> , 2021 , 27, 1864	4.8	
197	Gd ³⁺ Complexes Conjugated to Cyclodextrins: Hydroxyl Functions Influence the Relaxation Properties. <i>Processes</i> , 2021 , 9, 269	2.9	0
196	Stability, relaxometric and computational studies on Mn complexes with ligands containing a cyclobutane scaffold. <i>Dalton Transactions</i> , 2021 , 50, 1076-1085	4.3	2
195	Doxorubicin-Sensitized Luminescence of NIR-Emitting Ytterbium Liposomes: Towards Direct Monitoring of Drug Release. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23574-23577	16.4	0
194	Doxorubicin-Sensitized Luminescence of NIR-Emitting Ytterbium Liposomes: Towards Direct Monitoring of Drug Release. <i>Angewandte Chemie</i> , 2021 , 133, 23766	3.6	0
193	Mn(II)-Based MRI Contrast Agent Candidate for Vascular Imaging. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 6057-6065	8.3	19
192	Innenrücktitelbild: Unprecedented Kinetic Inertness for a Mn ²⁺ -Bispidine Chelate: A Novel Structural Entry for Mn ²⁺ -Based Imaging Agents (Angew. Chem. 29/2020). <i>Angewandte Chemie</i> , 2020 , 132, 12319-12319	3.6	
191	Comparison of the equilibrium, kinetic and water exchange properties of some metal ion-DOTA and DOTA-bis(amide) complexes. <i>Journal of Inorganic Biochemistry</i> , 2020 , 206, 111042	4.2	8
190	Dual Imaging Gold Nanoplatfoms for Targeted Radiotheranostics. <i>Materials</i> , 2020 , 13,	3.5	8

189	Unexpected Trends in the Stability and Dissociation Kinetics of Lanthanide(III) Complexes with Cyclen-Based Ligands across the Lanthanide Series. <i>Inorganic Chemistry</i> , 2020 , 59, 8184-8195	5.1	11
188	LDL-mimetic lipid nanoparticles prepared by surface KAT ligation for MRI of atherosclerosis. <i>Chemical Science</i> , 2020 , 11, 11998-12008	9.4	5
187	Photophysical studies on lanthanide(III) chelates conjugated to Pittsburgh compound B as luminescent probes targeted to Amyloid aggregates. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 1522-1537	4.2	2
186	Synthesis and In Vitro Studies of a Gd(DOTA)-Porphyrin Conjugate for Combined MRI and Photodynamic Treatment. <i>Inorganic Chemistry</i> , 2020 , 59, 14389-14398	5.1	5
185	Unprecedented Kinetic Inertness for a Mn ²⁺ -Bispidine Chelate: A Novel Structural Entry for Mn ²⁺ -Based Imaging Agents. <i>Angewandte Chemie</i> , 2020 , 132, 12056-12061	3.6	4
184	Unprecedented Kinetic Inertness for a Mn-Bispidine Chelate: A Novel Structural Entry for Mn-Based Imaging Agents. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11958-11963	16.4	24
183	Gadolinium Complexes of Highly Rigid, Open-Chain Ligands Containing a Cyclobutane Ring in the Backbone: Decreasing Ligand Denticity Might Enhance Kinetic Inertness. <i>Inorganic Chemistry</i> , 2019 , 58, 13170-13183	5.1	6
182	A biocompatible redox MRI probe based on a Mn(ii)/Mn(iii) porphyrin. <i>Dalton Transactions</i> , 2019 , 48, 3249-3262	4.3	14
181	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. <i>Inorganic Chemistry</i> , 2019 , 58, 13619-13630	5.1	8
180	Responsive ParaCEST Contrast Agents. <i>Inorganics</i> , 2019 , 7, 68	2.9	14
179	High-Field Detection of Biomarkers with Fast Field-Cycling MRI: The Example of Zinc Sensing. <i>Chemistry - A European Journal</i> , 2019 , 25, 8236-8239	4.8	6
178	Metal-based redox-responsive MRI contrast agents. <i>Coordination Chemistry Reviews</i> , 2019 , 390, 1-31	23.2	31
177	Mn ²⁺ complexes of open-chain ligands with a pyridine backbone: less donor atoms lead to higher kinetic inertness. <i>New Journal of Chemistry</i> , 2018 , 42, 8012-8020	3.6	7
176	Functionalised Carbon Nanotubes Enhance Brain Delivery of Amyloid-Targeting Pittsburgh Compound B (PiB)-Derived Ligands. <i>Nanotheranostics</i> , 2018 , 2, 168-183	5.6	37
175	A Bishydrated, Eight-Coordinate Gd(III) Complex with Very Fast Water Exchange: Synthesis, Characterization, and Phantom MR Imaging. <i>ChemistrySelect</i> , 2018 , 3, 7668-7673	1.8	5
174	Luminescence Properties of Self-Aggregating Tb-DOTA-Functionalized Calix[4]arenes. <i>Frontiers in Chemistry</i> , 2018 , 6, 1	5	229
173	Remarkable differences and similarities between the isomeric Mn(II)-cis- and trans-1,2-diaminocyclohexane-N,N,N',N'-tetraacetate complexes. <i>Inorganica Chimica Acta</i> , 2018 , 472, 254-263	2.7	14
172	Molecular Probes for Magnetic Resonance Imaging of Amyloid β -Peptides 2018 ,		

171	A Porphyrin Dimer-GdDOTA Conjugate as a Theranostic Agent for One- and Two-Photon Photodynamic Therapy and MRI. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3726-3738	6.3	23
170	A cocktail of Er(III) and Gd(III) complexes for quantitative detection of zinc using SPECT and MRI. <i>Chemical Communications</i> , 2018 , 54, 7597-7600	5.8	11
169	Strategies for sensing neurotransmitters with responsive MRI contrast agents. <i>Chemical Society Reviews</i> , 2017 , 46, 324-336	58.5	31
168	Mechanostereoselective One-Pot Synthesis of Functionalized Head-to-Head Cyclodextrin [3]Rotaxanes and Their Application as Magnetic Resonance Imaging Contrast Agents. <i>Organic Letters</i> , 2017 , 19, 1136-1139	6.2	24
167	Lanthanide Complexes in Molecular Magnetic Resonance Imaging and Theranostics. <i>ChemMedChem</i> , 2017 , 12, 883-894	3.7	21
166	Proton Exchange in a Paramagnetic Chemical Exchange Saturation Transfer Agent from Experimental Studies and ab Initio Metadynamics Simulation. <i>Inorganic Chemistry</i> , 2017 , 56, 4317-4323	5.1	10
165	Metal complexes for multimodal imaging of misfolded protein-related diseases. <i>Dalton Transactions</i> , 2017 , 46, 14461-14474	4.3	7
164	Novel CDTA-based, Bifunctional Chelators for Stable and Inert Mn Complexation: Synthesis and Physicochemical Characterization. <i>Inorganic Chemistry</i> , 2017 , 56, 7746-7760	5.1	24
163	Multimodal imaging Gd-nanoparticles functionalized with Pittsburgh compound B or a nanobody for amyloid plaques targeting. <i>Nanomedicine</i> , 2017 , 12, 1675-1687	5.6	20
162	Surface PEG Grafting Density Determines Magnetic Relaxation Properties of Gd-Loaded Porous Nanoparticles for MR Imaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23458-23463	9.5	10
161	Gd-nanoparticles functionalization with specific peptides for amyloid plaques targeting. <i>Journal of Nanobiotechnology</i> , 2016 , 14, 60	9.4	40
160	A Theranostic Agent Combining a Two-Photon-Absorbing Photosensitizer for Photodynamic Therapy and a Gadolinium(III) Complex for MRI Detection. <i>Chemistry - A European Journal</i> , 2016 , 22, 2775-2786	4.8	51
159	Associating a negatively charged GdDOTA-derivative to the Pittsburgh compound B for targeting amyloid aggregates. <i>Journal of Biological Inorganic Chemistry</i> , 2016 , 21, 83-99	3.7	14
158	Smart Contrast Agents for Magnetic Resonance Imaging. <i>Chimia</i> , 2016 , 70, 102-8	1.3	12
157	Prototypes of Lanthanide(III) Agents Responsive to Enzymatic Activities in Three Complementary Imaging Modalities: Visible/Near-Infrared Luminescence, PARACEST-, and T1-MRI. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2913-6	16.4	24
156	The quest for biocompatible phthalocyanines for molecular imaging: Photophysics, relaxometry and cytotoxicity studies. <i>Journal of Inorganic Biochemistry</i> , 2016 , 154, 50-9	4.2	18
155	Gallium-68 Complexes Conjugated to Pittsburgh Compound B: Radiolabeling and Biological Evaluation. <i>Molecular Imaging and Biology</i> , 2016 , 18, 334-43	3.8	12
154	Approaching the Kinetic Inertness of Macrocyclic Gadolinium(III)-Based MRI Contrast Agents with Highly Rigid Open-Chain Derivatives. <i>Chemistry - A European Journal</i> , 2016 , 22, 896-901	4.8	27

153	Four Gadolinium(III) Complexes Appended to a Porphyrin: A Water-Soluble Molecular Theranostic Agent with Remarkable Relaxivity Suited for MRI Tracking of the Photosensitizer. <i>Inorganic Chemistry</i> , 2016 , 55, 4545-54	5.1	43
152	Molecular Magnetic Resonance Imaging Probes Based on Ln ³⁺ Complexes. <i>Advances in Inorganic Chemistry</i> , 2016 , 68, 43-96	2.1	9
151	pH-Responsive Relaxometric Behaviour of Coordination Polymer Nanoparticles Made of a Stable Macrocyclic Gadolinium Chelate. <i>Chemistry - A European Journal</i> , 2016 , 22, 13162-70	4.8	6
150	Interaction of PiB-derivative metal complexes with beta-amyloid peptides: selective recognition of the aggregated forms. <i>Chemistry - A European Journal</i> , 2015 , 21, 5413-22	4.8	23
149	Metal Complexes as MRI Contrast Enhancement Agents 2015 ,		1
148	Stabilizing divalent europium in aqueous solution using size-discrimination and electrostatic effects. <i>Inorganic Chemistry</i> , 2015 , 54, 4940-52	5.1	33
147	X-ray-induced radiophotodynamic therapy (RPDT) using lanthanide micelles: Beyond depth limitations. <i>Nano Research</i> , 2015 , 8, 2373-2379	10	62
146	Macrocyclic Gd(3+) complexes with pendant crown ethers designed for binding zwitterionic neurotransmitters. <i>Chemistry - A European Journal</i> , 2015 , 21, 11226-37	4.8	16
145	A Pyridine-Based Ligand with Two Hydrazine Functions for Lanthanide Chelation: Remarkable Kinetic Inertness for a Linear, Bishydrated Complex. <i>Inorganic Chemistry</i> , 2015 , 54, 5991-6003	5.1	17
144	MRI sensing of neurotransmitters with a crown ether appended Gd(3+) complex. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 219-25	5.7	34
143	H4octapa: highly stable complexation of lanthanide(III) ions and copper(II). <i>Inorganic Chemistry</i> , 2015 , 54, 2345-56	5.1	33
142	Gd(3+) complexes conjugated to Pittsburgh compound B: potential MRI markers of amyloid plaques. <i>Journal of Biological Inorganic Chemistry</i> , 2014 , 19, 281-95	3.7	38
141	Nanozeolite-LTL with Gd(III) deposited in the large and Eu(III) in the small cavities as a magnetic resonance optical imaging probe. <i>Chemistry - A European Journal</i> , 2014 , 20, 3358-64	4.8	12
140	MRI Contrast Agents 2014 , 321-354		4
139	Ln[DO3A-N-(pyrenebutanamido)propionate] complexes: optimized relaxivity and NIR optical properties. <i>Dalton Transactions</i> , 2014 , 43, 3162-73	4.3	13
138	A bis(pyridine N-oxide) analogue of DOTA: relaxometric properties of the Gd(III) complex and efficient sensitization of visible and NIR-emitting lanthanide(III) cations including Pr(III) and Ho(III). <i>Chemistry - A European Journal</i> , 2014 , 20, 14834-45	4.8	27
137	Mechanistic studies of Gd ³⁺ -based MRI contrast agents for Zn ²⁺ detection: towards rational design. <i>Chemistry - A European Journal</i> , 2014 , 20, 10959-69	4.8	25
136	Cyclodextrin polyrotaxanes as a highly modular platform for the development of imaging agents. <i>Chemistry - A European Journal</i> , 2014 , 20, 10915-20	4.8	30

135	Thermodynamic stability and relaxation studies of small, triaza-macrocyclic Mn(II) chelates. <i>Dalton Transactions</i> , 2013 , 42, 4522-32	4.3	25
134	Relaxometry studies of a highly stable nanoscale metal-organic framework made of Cu(II), Gd(III), and the macrocyclic DOTP. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17711-4	16.4	61
133	PiB-Conjugated, Metal-Based Imaging Probes: Multimodal Approaches for the Visualization of β -Amyloid Plaques. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 436-40	4.3	43
132	Amide conjugates of the DO3A-N-(β -amino)propionate ligand: leads for stable, high relaxivity contrast agents for MRI?. <i>Contrast Media and Molecular Imaging</i> , 2013 , 8, 40-9	3.2	9
131	General Principles of MRI 2013 , 1-23		5
130	Relaxivity of Gadolinium(III) Complexes: Theory and Mechanism 2013 , 25-81		38
129	Synthesis and Characterization of Ligands and their Gadolinium(III) Complexes 2013 , 83-155		2
128	Stability and Toxicity of Contrast Agents 2013 , 157-208		31
127	Structure, Dynamics, and Computational Studies of Lanthanide-Based Contrast Agents 2013 , 209-276		9
126	Electronic Spin Relaxation and Outer-Sphere Dynamics of Gadolinium-Based Contrast Agents 2013 , 277-309		2
125	Targeted MRI Contrast Agents 2013 , 311-342		4
124	Paramagnetic CEST MRI Contrast Agents 2013 , 387-425		8
123	Responsive Probes 2013 , 343-385		9
122	Gd-Containing Nanoparticles as MRI Contrast Agents 2013 , 449-487		11
121	Lanthanide-based, near-infrared luminescent and magnetic lipoparticles: monitoring particle integrity. <i>Small</i> , 2013 , 9, 2662-6	11	10
120	New tris-3,4-HOPO lanthanide complexes as potential imaging probes: complex stability and magnetic properties. <i>Dalton Transactions</i> , 2013 , 42, 6046-57	4.3	25
119	Lanthanide(III) complexes that contain a self-immolative arm: potential enzyme responsive contrast agents for magnetic resonance imaging. <i>Chemistry - A European Journal</i> , 2012 , 18, 1408-18	4.8	27
118	Pyridine-based lanthanide complexes combining MRI and NIR luminescence activities. <i>Chemistry - A European Journal</i> , 2012 , 18, 1419-31	4.8	81

117	Lanthanide complexes based on a diazapyridinophane platform containing picolinate pendants. <i>Inorganic Chemistry</i> , 2012 , 51, 10893-903	5.1	29
116	Lanthanide Complexes Formed with the Tri- and Tetraacetate Derivatives of Bis(aminomethyl)phosphinic Acid: Equilibrium, Kinetic and NMR Spectroscopic Studies. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2062-2073	2.3	6
115	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	2.3	4
114	Manganese(II) Complexes as Potential Contrast Agents for MRI. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 1975-1986	2.3	135
113	Isoquinoline-based lanthanide complexes: bright NIR optical probes and efficient MRI agents. <i>Inorganic Chemistry</i> , 2012 , 51, 2522-32	5.1	55
112	Influence of calcium-induced aggregation on the sensitivity of aminobis(methylenephosphonate)-containing potential MRI contrast agents. <i>Inorganic Chemistry</i> , 2011 , 50, 6472-81	5.1	16
111	Lanthanide complexes as imaging agents anchored on nano-sized particles of boehmite. <i>Dalton Transactions</i> , 2011 , 40, 6451-7	4.3	13
110	Dissociation kinetics of Mn ²⁺ complexes of NOTA and DOTA. <i>Dalton Transactions</i> , 2011 , 40, 1945-51	4.3	56
109	Mn ²⁺ complexes with 12-membered pyridine based macrocycles bearing carboxylate or phosphonate pendant arm: crystallographic, thermodynamic, kinetic, redox, and ¹ H/ ¹⁷ O relaxation studies. <i>Inorganic Chemistry</i> , 2011 , 50, 12785-801	5.1	62
108	Kinetics of Ga(NOTA) formation from weak Ga-citrate complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 10371-85.1	5.1	37
107	Efficient Access to C1- and C3-Functionalized Isoquinolines: Towards Potential Lanthanide Ligands. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 2120-2127	3.2	7
106	A pyrophosphate-responsive gadolinium(III) MRI contrast agent. <i>Chemistry - A European Journal</i> , 2011 , 17, 223-30	4.8	30
105	Macrocyclic receptor showing extremely high Sr(II)/Ca(II) and Pb(II)/Ca(II) selectivities with potential application in chelation treatment of metal intoxication. <i>Inorganic Chemistry</i> , 2011 , 50, 3772-84	5.1	52
104	Mn ²⁺ complexes of 1-oxa-4,7-diazacyclononane based ligands with acetic, phosphonic and phosphinic acid pendant arms: stability and relaxation studies. <i>Dalton Transactions</i> , 2011 , 40, 10131-46	4.3	36
103	Calcium-responsive paramagnetic CEST agents. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 1097-105	3.4	51
102	Smart MR imaging agents relevant to potential neurologic applications. <i>American Journal of Neuroradiology</i> , 2010 , 31, 401-9	4.4	20
101	MRI probes for sensing biologically relevant metal ions. <i>Future Medicinal Chemistry</i> , 2010 , 2, 367-84	4.1	42
100	Mn(2+) complexes with pyridine-containing 15-membered macrocycles: thermodynamic, kinetic, crystallographic, and (¹ H)/(¹⁷ O) relaxation studies. <i>Inorganic Chemistry</i> , 2010 , 49, 3224-38	5.1	89

99	Gallium(III) complexes of DOTA and DOTA-monoamide: kinetic and thermodynamic studies. <i>Inorganic Chemistry</i> , 2010 , 49, 10960-9	5.1	104
98	Molecular recognition of sialic acid by lanthanide(III) complexes through cooperative two-site binding. <i>Inorganic Chemistry</i> , 2010 , 49, 4212-23	5.1	29
97	Macrocyclic Gd ³⁺ chelates attached to a silsesquioxane core as potential magnetic resonance imaging contrast agents: synthesis, physicochemical characterization, and stability studies. <i>Inorganic Chemistry</i> , 2010 , 49, 6124-38	5.1	52
96	Synthesis, characterization and biological evaluation of Ln(III) complexes anchored by DOTA-like chelators bearing a quinazoline moiety. <i>Metallomics</i> , 2010 , 2, 571-80	4.5	13
95	Densely packed Gd(III)-chelates with fast water exchange on a calix[4]arene scaffold: a potential MRI contrast agent. <i>Dalton Transactions</i> , 2010 , 185-91	4.3	33
94	Hydrophobic chromophore cargo in micellar structures: a different strategy to sensitize lanthanide cations. <i>Chemical Communications</i> , 2010 , 46, 124-6	5.8	27
93	Lanthanide(III) complexes of 4,10-bis(phosphonomethyl)-1,4,7,10-tetraazacyclododecane-1,7-diacetic acid (trans-H6do2a2p) in solution and in the solid state: structural studies along the series. <i>Chemistry - A European Journal</i> , 2010 , 16, 8446-65	4.8	41
92	Towards highly efficient, intelligent and bimodal imaging probes: Novel approaches provided by lanthanide coordination chemistry. <i>Comptes Rendus Chimie</i> , 2010 , 13, 700-714	2.7	40
91	A quinazoline-derivative DOTA-type gallium(III) complex for targeting epidermal growth factor receptors: synthesis, characterisation and biological studies. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 261-71	3.7	11
90	Relaxation and luminescence studies on hydrated bipyridyl- and terpyridyl-based lanthanide complexes. <i>Dalton Transactions</i> , 2009 , 9466-74	4.3	7
89	Macrocyclic receptor exhibiting unprecedented selectivity for light lanthanides. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3331-41	16.4	100
88	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 ³⁺ complex. <i>Inorganic Chemistry</i> , 2009 , 48, 8878-89	5.1	51
87	Design and function of metal complexes as contrast agents in MRI. <i>Advances in Inorganic Chemistry</i> , 2009 , 61, 63-129	2.1	44
86	Gd(DO3A-N-alpha-aminopropionate): a versatile and easily available synthon with optimized water exchange for the synthesis of high relaxivity, targeted MRI contrast agents. <i>Chemical Communications</i> , 2009 , 6475-7	5.8	37
85	A novel tetraazamacrocycle bearing a thiol pendant arm for labeling biomolecules with radiolanthanides. <i>Dalton Transactions</i> , 2009 , 4509-18	4.3	21
84	Facile synthesis and relaxation properties of novel bispolyazamacrocyclic Gd ³⁺ complexes: an attempt towards calcium-sensitive MRI contrast agents. <i>Inorganic Chemistry</i> , 2008 , 47, 1370-81	5.1	62
83	Noncovalent functionalization of carbon nanotubes with amphiphilic gd ³⁺ chelates: toward powerful t ₁ and t ₂ MRI contrast agents. <i>Nano Letters</i> , 2008 , 8, 232-6	11.5	144
82	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. <i>Inorganic Chemistry</i> , 2008 , 47, 7840-51	5.1	76

81	A benzene-core trinuclear GdIII complex: towards the optimization of relaxivity for MRI contrast agent applications at high magnetic field. <i>Dalton Transactions</i> , 2008 , 1195-202	4.3	66
80	Pyridine-based lanthanide complexes: towards bimodal agents operating as near infrared luminescent and MRI reporters. <i>Chemical Communications</i> , 2008 , 6591-3	5.8	125
79	Gadonanotubes as ultrasensitive pH-smart probes for magnetic resonance imaging. <i>Nano Letters</i> , 2008 , 8, 415-9	11.5	121
78	Towards extracellular Ca ²⁺ sensing by MRI: synthesis and calcium-dependent ¹ H and ¹⁷ O relaxation studies of two novel bismacrocylic Gd ³⁺ complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 35-46	3.7	58
77	Smart magnetic resonance imaging agents that sense extracellular calcium fluctuations. <i>ChemBioChem</i> , 2008 , 9, 1729-34	3.8	76
76	Gd(III)-EPTPAC16, a new self-assembling potential liver MRI contrast agent: in vitro characterization and in vivo animal imaging studies. <i>NMR in Biomedicine</i> , 2008 , 21, 322-36	4.4	14
75	In vivo MRI assessment of a novel GdIII-based contrast agent designed for high magnetic field applications. <i>Contrast Media and Molecular Imaging</i> , 2008 , 3, 78-85	3.2	33
74	Lanthanide-Based Conjugates as Polyvalent Probes for Biological Labeling. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2856-2862	2.3	16
73	Detection of enzymatic activity by PARACEST MRI: a general approach to target a large variety of enzymes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4370-2	16.4	118
72	Detection of Enzymatic Activity by PARACEST MRI: A General Approach to Target a Large Variety of Enzymes. <i>Angewandte Chemie</i> , 2008 , 120, 4442-4444	3.6	21
71	Gadolinium(III) complexes of mono- and diethyl esters of monophosphonic acid analogue of DOTA as potential MRI contrast agents: solution structures and relaxometric studies. <i>Dalton Transactions</i> , 2007 , 493-501	4.3	68
70	Dinuclear complexes formed with the triazacyclononane derivative ENOTA4-: high-pressure ¹⁷ O NMR evidence of an associative water exchange on [MnII ₂ (ENOTA)(H ₂ O) ₂]. <i>Inorganic Chemistry</i> , 2007 , 46, 238-50	5.1	50
69	Understanding Paramagnetic Relaxation Phenomena for Water-Soluble Gadofullerenes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5633-5639	3.8	61
68	Monopropionate analogues of DOTA4- and DTPA5-: kinetics of formation and dissociation of their lanthanide(III) complexes. <i>Dalton Transactions</i> , 2007 , 3572-81	4.3	33
67	H5EPTPACH ₂ OH: Synthesis, Relaxometric Characterization and ¹ H NMR Spectroscopic Studies on the Solution Dynamics of Its LnIII Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 5489-5499	2.3	7
66	Physicochemical and MRI characterization of Gd ³⁺ -loaded polyamidoamine and hyperbranched dendrimers. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 406-20	3.7	76
65	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, 940-8	4.8	53
64	A starburst-shaped heterometallic compound incorporating six densely packed gd(3+) ions. <i>Chemistry - A European Journal</i> , 2006 , 12, 989-1003	4.8	108

63	Unexpected aggregation of neutral, xylene-cored dinuclear Gd(III) chelates in aqueous solution. <i>Chemistry - A European Journal</i> , 2006 , 12, 6841-51	4.8	33
62	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, 30-9	3.2	65
61	Pyridine and phosphonate containing ligands for stable lanthanide complexation. An experimental and theoretical study to assess the solution structure. <i>Dalton Transactions</i> , 2006 , 5404-15	4.3	42
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