

Eva Toth

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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	First solvation shell of the Cu(II) aqua ion: evidence for fivefold coordination. <i>Science</i> , 2001 , 291, 856-9	33.3	314
205	Water-soluble gadofullerenes: toward high-relaxivity, pH-responsive MRI contrast agents. <i>Journal of the American Chemical Society</i> , 2005 , 127, 799-805	16.4	313
204	Superparamagnetic gadonanotubes are high-performance MRI contrast agents. <i>Chemical Communications</i> , 2005 , 3915-7	5.8	279
203	Luminescence Properties of Self-Aggregating Tb-DOTA-Functionalized Calix[4]arenes. <i>Frontiers in Chemistry</i> , 2018 , 6, 1	5	229
202	Kinetics of Formation and Dissociation of Lanthanide(III)-DOTA Complexes. <i>Inorganic Chemistry</i> , 1994 , 33, 4070-4076	5.1	174
201	The Role of Water Exchange in Attaining Maximum Relaxivities for Dendrimeric MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 1996 , 2, 1607-1615	4.8	169
200	GdIII complexes with fast water exchange and high thermodynamic stability: potential building blocks for high-relaxivity MRI contrast agents. <i>Chemistry - A European Journal</i> , 2003 , 9, 3555-66	4.8	152
199	Relaxivity of MRI Contrast Agents. <i>Topics in Current Chemistry</i> , 2002 , 61-101		152
198	The impact of rigidity and water exchange on the relaxivity of a dendritic MRI contrast agent. <i>Chemistry - A European Journal</i> , 2002 , 8, 1040-8	4.8	147
197	Noncovalent functionalization of carbon nanotubes with amphiphilic gd3+ chelates: toward powerful t1 and t2 MRI contrast agents. <i>Nano Letters</i> , 2008 , 8, 232-6	11.5	144
196	High relaxivity confined to a small molecular space: a metallostar-based, potential MRI contrast agent. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1480-4	16.4	142
195	Manganese(II) Complexes as Potential Contrast Agents for MRI. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 1975-1986	2.3	135
194	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
193	Gadonanotubes as ultrasensitive pH-smart probes for magnetic resonance imaging. <i>Nano Letters</i> , 2008 , 8, 415-9	11.5	121
192	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
191	From monomers to micelles: investigation of the parameters influencing proton relaxivity. <i>Journal of Biological Inorganic Chemistry</i> , 2002 , 7, 757-69	3.7	116
190	High Relaxivity for Monomeric Gd(DOTA)-Based MRI Contrast Agents, Thanks to Micellar Self-Organization. <i>Chemistry - A European Journal</i> , 1999 , 5, 2977-2983	4.8	110

189	Characterization of Lanthanide(III) DOTP Complexes: Thermodynamics, Protonation, and Coordination to Alkali Metal Ions. <i>Inorganic Chemistry</i> , 1996 , 35, 4604-4612	5.1	110
188	Rotational dynamics account for pH-dependent relaxivities of PAMAM dendrimeric, Gd-based potential MRI contrast agents. <i>Chemistry - A European Journal</i> , 2005 , 11, 3064-76	4.8	109
187	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
186	Gallium(III) complexes of DOTA and DOTA-monoamide: kinetic and thermodynamic studies. <i>Inorganic Chemistry</i> , 2010 , 49, 10960-9	5.1	104
185	Macrocyclic receptor exhibiting unprecedented selectivity for light lanthanides. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3331-41	16.4	100
184	Destroying gadofullerene aggregates by salt addition in aqueous solution of Gd@C(60)(OH)(x) and Gd@C(60)[C(COOH(2))](10). <i>Journal of the American Chemical Society</i> , 2005 , 127, 9368-9	16.4	100
183	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
182	Gd(DTPA-bisamide)alkyl Copolymers: A Hint for the Formation of MRI Contrast Agents with Very High Relaxivity. <i>Chemistry - A European Journal</i> , 1999 , 5, 1202-1211	4.8	87
181	Accelerating water exchange for GdIII chelates by steric compression around the water binding site. <i>Chemical Communications</i> , 2002 , 2630-1	5.8	83
180	Lanthanide(III) complexes of DOTA-glycoconjugates: a potential new class of lectin-mediated medical imaging agents. <i>Chemistry - A European Journal</i> , 2004 , 10, 5804-16	4.8	82
179	Pyridine-based lanthanide complexes combining MRI and NIR luminescence activities. <i>Chemistry - A European Journal</i> , 2012 , 18, 1419-31	4.8	81
178	Pyridine- and phosphonate-containing ligands for stable Ln complexation. Extremely fast water exchange on the Gd(III) chelates. <i>Inorganic Chemistry</i> , 2006 , 45, 8719-28	5.1	80
177	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
176	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
175	Smart magnetic resonance imaging agents that sense extracellular calcium fluctuations. <i>ChemBioChem</i> , 2008 , 9, 1729-34	3.8	76
174	Eull-cryptate with optimal water exchange and electronic relaxation: a synthon for potential pO ₂ responsive macromolecular MRI contrast agents. <i>Chemical Communications</i> , 2002 , 2366-7	5.8	74
173	Similarities and differences between the isoelectronic GdIII and Eull complexes with regard to MRI contrast agent applications. <i>Coordination Chemistry Reviews</i> , 2001 , 216-217, 363-382	23.2	72
172	Solution and solid-state characterization of Eu(II) chelates: a possible route towards redox responsive MRI contrast agents. <i>Chemistry - A European Journal</i> , 2000 , 6, 3761-70	4.8	69

171	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
170	A benzene-core trinuclear Gd(III) 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
169	Fine-tuning water exchange on Gd(III) poly(amino carboxylates) by modulation of steric crowding. <i>Dalton Transactions</i> , 2005 , 2713-9	4.3	66
168	Equilibrium and kinetic studies on complexes of 10-[2,3-dihydroxy-(1-hydroxymethyl)-propyl]-1,4,7,10-tetraazacyclododecane-1,4,7-triacetate. <i>Inorganica Chimica Acta</i> , 1996 , 249, 191-199	2.7	66
167	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
166	Coordination equilibrium—clue for fast water exchange on potential magnetic resonance imaging contrast agents? 1999 , 37, 701-708		64
165	Novel macrocyclic Eu(III) complexes: fast water exchange related to an extreme M-O water distance. <i>Chemistry - A European Journal</i> , 2003 , 9, 1394-404	4.8	63
164	X-ray-induced radiophotodynamic therapy (RPDT) using lanthanide micelles: Beyond depth limitations. <i>Nano Research</i> , 2015 , 8, 2373-2379	10	62
163	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
162	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
161	Nuclear and Electronic Relaxation of Eu ²⁺ (aq): An Extremely Labile Aqua Ion ¹ . <i>Journal of the American Chemical Society</i> , 1999 , 121, 10403-10409	16.4	62
160	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
159	Understanding Paramagnetic Relaxation Phenomena for Water-Soluble Gadofullerenes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5633-5639	3.8	61
158	Water Exchange and Rotational Dynamics of the Dimeric Gadolinium(III) Complex [BO{Gd(DO ₃ A)(H ₂ O)} ₂]: A Variable-Temperature and -Pressure (¹⁷ O NMR Study(1). <i>Inorganic Chemistry</i> , 1996 , 35, 3375-3379	5.1	61
157	Towards extracellular Ca ²⁺ sensing by MRI: synthesis and calcium-dependent ¹ H and ¹⁷ O relaxation studies of two novel bismacrocyclic Gd ³⁺ complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 35-46	3.7	58
156	Dissociation kinetics of Mn ²⁺ complexes of NOTA and DOTA. <i>Dalton Transactions</i> , 2011 , 40, 1945-51	4.3	56
155	Dinuclear, bishydrated Gd(III) polyaminocarboxylates with a rigid xylene core display remarkable proton relaxivities. <i>Inorganic Chemistry</i> , 2005 , 44, 4747-55	5.1	56
154	Isoquinoline-based lanthanide complexes: bright NIR optical probes and efficient MRI agents. <i>Inorganic Chemistry</i> , 2012 , 51, 2522-32	5.1	55

153	Lanthanide Podates with Programmed Intermolecular Interactions: Luminescence Enhancement through Association with Cyclodextrins and Unusually Large Relaxivity of the Gadolinium Self-Aggregates. <i>Journal of the American Chemical Society</i> , 2000 , 122, 10810-10820	16.4	55
152	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
151	Structure and Dynamics of a Trinuclear Gadolinium(III) Complex: The Effect of Intramolecular Electron Spin Relaxation on Its Proton Relaxivity(1). <i>Inorganic Chemistry</i> , 1998 , 37, 4104-4113	5.1	53
150	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
149	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
148	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, 2775-86	4.8	51
147	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
146	Calcium-responsive paramagnetic CEST agents. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 1097-105	3.4	51
145	Stability constants and ¹ H relaxation effects of ternary complexes formed between Gd-DTPA, Gd-DTPA-BMA, Gd-DOTA, and Gd-EDTA and citrate, phosphate, and carbonate ions. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 146-50	4.4	51
144	Unexpected Differences in the Dynamics and in the Nuclear and Electronic Relaxation Properties of the Isoelectronic [EuII(DTPA)(H ₂ O)] ₃ - and [GdIII(DTPA)(H ₂ O)] ₂ -Complexes (DTPA = Diethylenetriamine Pentaacetate) ¹ . <i>Journal of the American Chemical Society</i> , 2000 , 122, 5822-5830	16.4	51
143	Dinuclear complexes formed with the triazacyclononane derivative ENOTA ⁴⁻ : 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
142	Trinuclear Lanthanoid Complexes of 1,3,5-Triamino-1,3,5-trideoxy-cis-inositol with a Unique, Sandwich-Type Cage Structure(1). <i>Inorganic Chemistry</i> , 1998 , 37, 6698-6705	5.1	49
141	Equilibria and formation kinetics of some cyclen derivative complexes of lanthanides. <i>Inorganica Chimica Acta</i> , 2000 , 298, 226-234	2.7	48
140	Tuning water-exchange rates on(carboxymethyl)iminobis(ethylenenitrilo)tetraacetate (dtpa)-typegadolinium(III)complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 1587-1594		47
139	Direct assessment of water exchange on a Gd(III) chelate bound to a protein. <i>Journal of Biological Inorganic Chemistry</i> , 1998 , 3, 606-613	3.7	47
138	Lipari-Szabo approach as a tool for the analysis of macromolecular gadolinium(III)-based MRI contrast agents illustrated by the [Gd(EGTA-BA-(CH ₂) ₁₂)] _n ⁺ polymer. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 247-55	3.7	46
137	Mono- and bimetallic lanthanide(III) phenolic cryptates obtained by template reaction: solid state structure, photophysical properties and relaxivity. <i>Dalton Transactions RSC</i> , 2000 , 611-618		45
136	Design and function of metal complexes as contrast agents in MRI. <i>Advances in Inorganic Chemistry</i> , 2009 , 61, 63-129	2.1	44

135	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
134	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
133	MRI probes for sensing biologically relevant metal ions. <i>Future Medicinal Chemistry</i> , 2010 , 2, 367-84	4.1	42
132	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
131	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
130	Phosphinic derivative of DTPA conjugated to a G5 PAMAM dendrimer: an ^{17}O and 1H relaxation study of its Gd(III) complex. <i>Dalton Transactions</i> , 2006 , 3399-406	4.3	41
129	Gd-nanoparticles functionalization with specific peptides for β amyloid plaques targeting. <i>Journal of Nanobiotechnology</i> , 2016 , 14, 60	9.4	40
128	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
127	The highest water exchange rate ever measured for a Gd(III) chelate. <i>Chemical Communications</i> , 2005 , 4729-31	5.8	39
126	Gd(3+) complexes conjugated to Pittsburgh compound B: potential MRI markers of β amyloid plaques. <i>Journal of Biological Inorganic Chemistry</i> , 2014 , 19, 281-95	3.7	38
125	Relaxivity of Gadolinium(III) Complexes: Theory and Mechanism 2013 , 25-81		38
124	Kinetics of formation and dissociation of lanthanide(III) complexes with the 13-membered macrocyclic ligand TRITA4-. <i>Dalton Transactions</i> , 2005 , 1058-65	4.3	38
123	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
122	Kinetics of Ga(NOTA) formation from weak Ga-citrate complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 10371-85.1	5.1	37
121	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
120	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
119	Gadolinium-based linear polymer with temperature-independent proton relaxivities: a unique interplay between the water exchange and rotational contributions 1998 , 36, S125-S134		36
118	Stability constants of the lanthanide(III)-1,4,7,10-tetraazacyclododecane-N,N',N'',N'''-tetraacetate complexes. <i>Inorganica Chimica Acta</i> , 1994 , 221, 165-167	2.7	36

117	MRI sensing of neurotransmitters with a crown ether appended Gd(3+) complex. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 219-25	5.7	34
116	Stabilizing divalent europium in aqueous solution using size-discrimination and electrostatic effects. <i>Inorganic Chemistry</i> , 2015 , 54, 4940-52	5.1	33
115	H4octapa: highly stable complexation of lanthanide(III) ions and copper(II). <i>Inorganic Chemistry</i> , 2015 , 54, 2345-56	5.1	33
114	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
113	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
112	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
111	Unexpected aggregation of neutral, xylene-cored dinuclear GdIII chelates in aqueous solution. <i>Chemistry - A European Journal</i> , 2006 , 12, 6841-51	4.8	33
110	EPR on aqueous Gd ³⁺ complexes and a new analysis method considering both line widths and shifts. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 1311-1317	3.6	32
109	Strategies for sensing neurotransmitters with responsive MRI contrast agents. <i>Chemical Society Reviews</i> , 2017 , 46, 324-336	58.5	31
108	Metal-based redox-responsive MRI contrast agents. <i>Coordination Chemistry Reviews</i> , 2019 , 390, 1-31	23.2	31
107	Stability and Toxicity of Contrast Agents 2013 , 157-208		31
106	¹⁷ O-NMR, EPR and NMRD Characterization of [Gd(DTPA-BMEA)(H ₂ O)]: A Neutral MRI Contrast Agent. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 2017-2021	2.3	31
105	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
104	A pyrophosphate-responsive gadolinium(III) MRI contrast agent. <i>Chemistry - A European Journal</i> , 2011 , 17, 223-30	4.8	30
103	Lanthanide complexes based on a diazapyridinophane platform containing picolinate pendants. <i>Inorganic Chemistry</i> , 2012 , 51, 10893-903	5.1	29
102	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
101	Stability, structure and dynamics of cationic lanthanide(III) complexes of N,N'-bis(propylamide)ethylenediamine-N,N'-diacetic acid. <i>Dalton Transactions</i> , 2003 , 727-737	4.3	29
100	Synthesis and physicochemical characterization of a novel precursor for covalently bound macromolecular MRI contrast agents. <i>Journal of Biological Inorganic Chemistry</i> , 1999 , 4, 341-7	3.7	29

99	. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 1001-1006	2.3	28
98	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
97	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
96	Hydrophobic chromophore cargo in micellar structures: a different strategy to sensitize lanthanide cations. <i>Chemical Communications</i> , 2010 , 46, 124-6	5.8	27
95	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
94	Lanthanide(III) [4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid complexes in acidic medium: significant decrease in water exchange rate] <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 2481-2486		26
93	Thermodynamic stability and relaxation studies of small, triaza-macrocyclic Mn(II) chelates. <i>Dalton Transactions</i> , 2013 , 42, 4522-32	4.3	25
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	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
84	Synthesis and complexation properties of DTPA-N,NPbis[bis(n-butyl)]-NPmethyl-tris(amide). Kinetic stability and water exchange of its Gd ³⁺ complex. <i>Dalton Transactions</i> , 2005 , 694-701	4.3	22
83	Lanthanide Complexes in Molecular Magnetic Resonance Imaging and Theranostics. <i>ChemMedChem</i> , 2017 , 12, 883-894	3.7	21
82	A novel tetraazamacrocycle bearing a thiol pendant arm for labeling biomolecules with radiolanthanides. <i>Dalton Transactions</i> , 2009 , 4509-18	4.3	21

81	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
80	NMR relaxivity of Ln ³⁺ -based zeolite-type materials. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3832		21
79	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
78	Smart MR imaging agents relevant to potential neurologic applications. <i>American Journal of Neuroradiology</i> , 2010 , 31, 401-9	4.4	20
77	High Relaxivity Confined to a Small Molecular Space: A Metallostar-Based, Potential MRI Contrast Agent. <i>Angewandte Chemie</i> , 2005 , 117, 1504-1508	3.6	20
76	Mn(II)-Based MRI Contrast Agent Candidate for Vascular Imaging. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 6057-6065	8.3	19
75	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
74	HPLC separation of diastereomers of Ln(III)-ethylenepropylene-triamine-pentaacetate complexes. Direct assessment of their water exchange rate. <i>Chemical Communications</i> , 2003 , 2680-1	5.8	18
73	Separation and characterization of the two diastereomers for [Gd(DTPA-bz-NH ₂)(H ₂ O)] ²⁻ , a common synthon in macromolecular MRI contrast agents: their water exchange and isomerization kinetics. <i>Inorganic Chemistry</i> , 2005 , 44, 3561-8	5.1	18
72	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	2.3	18
71	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
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