Enzo Terreno

List of Publications by Year in Descending Order

164 papers	9,343 citations	50 h-index	94 g-index
174 ext. papers	9,909 ext. citations	7 avg, IF	5.89 L-index

#	Paper	IF	Citations
164	High Relaxivity with No Coordinated Waters: A Seemingly Paradoxical Behavior of [Gd(DOTP)] Embedded in Nanogels.. *Inorganic Chemistry*, **2022**, 61, 5380-5387	5.1	0
163	Non-conventional and Investigational PET Radiotracers for Breast Cancer: A Systematic Review.. *Frontiers in Medicine*, **2022**, 9, 881551	4.9	2
162	Synthetic and Nanotechnological Approaches for a Diagnostic Use of Manganese. *Molecules*, **2022**, 27, 3124	4.8	2
161	The Future of Cancer Diagnosis, Treatment and Surveillance: A Systemic Review on Immunotherapy and Immuno-PET Radiotracers. *Molecules*, **2021**, 26,	4.8	11
160	An ultrasound-guided injection method for a syngeneic orthotopic murine model of breast cancer. *Laboratory Animals*, **2021**, 55, 472-477	2.6	
159	Imaging of Inflammation in Spinal Cord Injury: Novel Insights on the Usage of PFC-Based Contrast Agents. *Biomedicines*, **2021**, 9,	4.8	4
158	Therapeutic targeting of Lyn kinase to treat chorea-acanthocytosis. *Acta Neuropathologica Communications*, **2021**, 9, 81	7.3	4
157	Chemistry of Molecular Imaging: An Overview **2021**, 423-443		
156	Biodegradable polyelectrolyte/magnetite capsules for MR imaging and magnetic targeting of tumors. *Nanotheranostics*, **2021**, 5, 362-377	5.6	15
155	Sonodynamic Treatment Induces Selective Killing of Cancer Cells in an In Vitro Co-Culture Model. *Cancers*, **2021**, 13,	6.6	2
154	In vitro and in vivo comparison of MRI chemical exchange saturation transfer (CEST) properties between native glucose and 3-O-Methyl-D-glucose in a murine tumor model. *NMR in Biomedicine*, **2021**, 34, e4602	4.4	2
153	GlucoCEST MRI for the Evaluation Response to Chemotherapeutic and Metabolic Treatments in a Murine Triple-Negative Breast Cancer: A Comparison with[F]F-FDG-PET. *Molecular Imaging and Biology*, **2021**, 1	3.8	1
152	NSCLC Biomarkers to Predict Response to Immunotherapy with Checkpoint Inhibitors (ICI): From the Cells to In Vivo Images. *Cancers*, **2021**, 13,	6.6	4
151	Mn(II)-Conjugated silica nanoparticles as potential MRI probes. *Journal of Materials Chemistry B*, **2021**, 9, 8994-9004	7.3	2
150	Methodological aspects and pharmacological applications of three-dimensional cancer cell cultures and organoids. *Life Sciences*, **2020**, 254, 117784	6.8	21
149	Mn(II)-Based Lipidic Nanovesicles as High-Efficiency MRI Probes.. *ACS Applied Bio Materials*, **2020**, 3, 2401-2409	4.7	2
148	Dendrimeric calcium-sensitive MRI probes: the first low-field relaxometric study. *Journal of Materials Chemistry B*, **2020**, 8, 969-979	7.3	5

147	MR-Guided Drug Release From Liposomes Triggered by Thermal and Mechanical Ultrasound-Induced Effects. *Frontiers in Physics*, **2020**, 8,	3.9	3
146	Novel Gastrin-Releasing Peptide Receptor Targeted Near-Infrared Fluorescence Dye for Image-Guided Surgery of Prostate Cancer. *Molecular Imaging and Biology*, **2020**, 22, 85-93	3.8	9
145	Targeting CD34 cells of the inflamed synovial endothelium by guided nanoparticles for the treatment of rheumatoid arthritis. *Journal of Autoimmunity*, **2019**, 103, 102288	15.5	14
144	Development and characterization of lanthanide-HPDO3A-C16-based micelles as CEST-MRI contrast agents. *Dalton Transactions*, **2019**, 48, 5343-5351	4.3	3
143	Orthotopic induction of CH157MN convexity and skull base meningiomas into nude mice using stereotactic surgery and MRI characterization. *Animal Models and Experimental Medicine*, **2019**, 2, 58-63	4.2	3
142	Indocyanine green labeling for optical and photoacoustic imaging of mesenchymal stem cells after in vivo transplantation. *Journal of Biophotonics*, **2019**, 12, e201800035	3.1	15
141	An efficient MRI agent targeting extracellular markers in prostate adenocarcinoma. *Magnetic Resonance in Medicine*, **2019**, 81, 1935-1946	4.4	3
140	Synthesis, Characterization, and Biodistribution of a Dinuclear Gadolinium Complex with Improved Properties as a Blood Pool MRI Agent. *ChemMedChem*, **2018**, 13, 824-834	3.7	6
139	Sonosensitive MRI Nanosystems as Cancer Theranostics: A Recent Update. *Frontiers in Chemistry*, **2018**, 6, 157	5	10
138	Modulation of the Prototropic Exchange Rate in pH-Responsive Yb-HPDO3A Derivatives as ParaCEST Agents. *ChemistrySelect*, **2018**, 3, 6035-6041	1.8	9
137	Inactivation of Citron Kinase Inhibits Medulloblastoma Progression by Inducing Apoptosis and Cell Senescence. *Cancer Research*, **2018**, 78, 4599-4612	10.1	16
136	MRI visualization of neuroinflammation using VCAM-1 targeted paramagnetic micelles. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 2341-2350	6	10
135	First in vivo MRI study on theranostic dendrimersomes. *Journal of Controlled Release*, **2017**, 248, 45-52	11.7	34
134	Synthesis of Lipophilic Core-Shell FeO@SiO@Au Nanoparticles and Polymeric Entrapment into Nanomicelles: A Novel Nanosystem for in Vivo Active Targeting and Magnetic Resonance-Photoacoustic Dual Imaging. *Bioconjugate Chemistry*, **2017**, 28, 1382-1390	6.3	52
133	Chemical Shift and Relaxation Reagents in NMR **2017**, 195-202		
132	Nano-sized and other improved reporters for magnetic resonance imaging of angiogenesis. *Advanced Drug Delivery Reviews*, **2017**, 119, 61-72	18.5	21
131	Chapter 14 Saturating CompartmentalizedWater Protons: Liposome- and Cell-Based CEST Agents **2017**, 311-344		1
130	Successful in vivo MRI tracking of MSCs labeled with Gadoteridol in a Spinal Cord Injury experimental model. *Experimental Neurology*, **2016**, 282, 66-77	5.7	11

129	Paramagnetic Phospholipid-Based Micelles Targeting VCAM-1 Receptors for MRI Visualization of Inflammation. *Bioconjugate Chemistry*, **2016**, 27, 1921-30	6.3	17
128	Innovative Design of Ca-Sensitive Paramagnetic Liposomes Results in an Unprecedented Increase in Longitudinal Relaxivity. *Biomacromolecules*, **2016**, 17, 1303-11	6.9	16
127	LipoCEST and cellCEST imaging agents: opportunities and challenges. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2016**, 8, 602-18	9.2	36
126	The release of Doxorubicin from liposomes monitored by MRI and triggered by a combination of US stimuli led to a complete tumor regression in a breast cancer mouse model. *Journal of Controlled Release*, **2016**, 230, 57-63	11.7	35
125	Novel stable dendrimersome formulation for safe bioimaging applications. *Nanoscale*, **2015**, 7, 12943-54	7.7	37
124	Optimizing the high-field relaxivity by self-assembling of macrocyclic Gd(III) complexes. *Dalton Transactions*, **2015**, 44, 4910-7	4.3	7
123	Preparation and in vitro characterization of chitosan nanobubbles as theranostic agents. *Colloids and Surfaces B: Biointerfaces*, **2015**, 129, 39-46	6	47
122	GdDOTAGA(C18)2: an efficient amphiphilic Gd(iii) chelate for the preparation of self-assembled high relaxivity MRI nanoprobes. *Chemical Communications*, **2015**, 51, 17455-8	5.8	23
121	Glucan particles loaded with a NIRF agent for imaging monocytes/macrophages recruitment in a mouse model of rheumatoid arthritis. *RSC Advances*, **2015**, 5, 34078-34087	3.7	7
120	Non-invasive parenchymal, vascular and metabolic high-frequency ultrasound and photoacoustic rat deep brain imaging. *Journal of Visualized Experiments*, **2015**,	1.6	2
119	Sensitive MRI detection of internalized T1 contrast agents using magnetization transfer contrast. *NMR in Biomedicine*, **2015**, 28, 1663-70	4.4	9
118	Probing treatment response of glutaminolytic prostate cancer cells to natural drugs with hyperpolarized [5-(13) C]glutamine. *Magnetic Resonance in Medicine*, **2015**, 73, 2296-305	4.4	25
117	Glucan Particles Loaded with Fluorinated Emulsions: A Sensitivity Improvement for the Visualization of Phagocytic Cells by 19F-MRI. *Current Molecular Imaging*, **2015**, 4, 29-34		2
116	MRI Contrast Agents for Pharmacological Research. *Frontiers in Pharmacology*, **2015**, 6, 290	5.6	11
115	Sonosensitive theranostic liposomes for preclinical in vivo MRI-guided visualization of doxorubicin release stimulated by pulsed low intensity non-focused ultrasound. *Journal of Controlled Release*, **2015**, 202, 21-30	11.7	44
114	Insights on the relaxation of liposomes encapsulating paramagnetic Ln-based complexes. *Magnetic Resonance in Medicine*, **2015**, 74, 468-73	4.4	14
113	Design and testing of paramagnetic liposome-based CEST agents for MRI visualization of payload release on pH-induced and ultrasound stimulation. *Journal of Biological Inorganic Chemistry*, **2014**, 19, 207-14	3.7	17
112	Lanthanide-loaded erythrocytes as highly sensitive chemical exchange saturation transfer MRI contrast agents. *Journal of the American Chemical Society*, **2014**, 136, 638-41	16.4	42

111	Dendrimersomes: a new vesicular nano-platform for MR-molecular imaging applications. *Chemical Communications*, **2014**, 50, 3453-6	5.8	30
110	A novel SWCNT platform bearing DOTA and β-cyclodextrin units. "One shot" multidecoration under microwave irradiation. *Organic and Biomolecular Chemistry*, **2014**, 12, 4708-15	3.9	10
109	Successful entrapping of liposomes in glucan particles: an innovative micron-sized carrier to deliver water-soluble molecules. *Molecular Pharmaceutics*, **2014**, 11, 3760-5	5.6	18
108	Relaxometric studies of gadolinium-functionalized perfluorocarbon nanoparticles for MR imaging. *Contrast Media and Molecular Imaging*, **2014**, 9, 83-91	3.2	24
107	In vivo MRI visualization of release from liposomes triggered by local application of pulsed low-intensity non-focused ultrasound. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2014**, 10, 901-4	6	16
106	CEST and PARACEST Agents for Molecular Imaging **2014**, 225-243		2
105	In vivo maps of extracellular pH in murine melanoma by CEST-MRI. *Magnetic Resonance in Medicine*, **2014**, 71, 326-32	4.4	84
104	Quantitative assessment of cancer vascular architecture by skeletonization of high-resolution 3-D contrast-enhanced ultrasound images: role of liposomes and microbubbles. *Technology in Cancer Research and Treatment*, **2014**, 13, 541-50	2.7	10
103	Polymeric vesicles loaded with gadoteridol as reversible and concentration-independent magnetic resonance imaging thermometers. *Journal of Biomedical Nanotechnology*, **2014**, 10, 1620-6	4	5
102	In vivo MRI visualization of different cell populations labeled with PARACEST agents. *Magnetic Resonance in Medicine*, **2013**, 69, 1703-11	4.4	51
101	MRI tracking of macrophages labeled with glucan particles entrapping a water insoluble paramagnetic Gd-based agent. *Molecular Imaging and Biology*, **2013**, 15, 307-15	3.8	16
100	MRI and PET Compatible Bed for Direct Co-Registration in Small Animals. *IEEE Transactions on Nuclear Science*, **2013**, 60, 1596-1602	1.7	2
99	Nanoparticle-based chemical exchange saturation transfer (CEST) agents. *NMR in Biomedicine*, **2013** , 26, 839-49	4.4	58
98	Evaluation of the co-registration capabilities of a MRI/PET compatible bed in an Experimental autoimmune encephalomyelitis (EAE) model. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 702, 108-110	1.2	1
97	Paramagnetic CEST MRI Contrast Agents **2013**, 387-425		8
96	Combined high resolution NMR and 1H and 17O relaxometric study sheds light on the solution structure and dynamics of the lanthanide(III) complexes of HPDO3A. *Inorganic Chemistry*, **2013**, 52, 7130-8	5.1	47
95	Release of a Paramagnetic Magnetic Resonance Imaging Agent from Liposomes Triggered by Low Intensity Non-Focused Ultrasound. *Journal of Medical Imaging and Health Informatics*, **2013**, 3, 356-366	1.2	14
94	In Vivo Magnetic Resonance Imaging Detection of Paramagnetic Liposomes Loaded with Amphiphilic Gadolinium(III) Complexes: Impact of Molecular Structure on Relaxivity and Excretion Efficiency. *ChemPlusChem*, **2013**, 78, 712-722	2.8	14

93	MRI evaluation of the antitumor activity of paramagnetic liposomes loaded with prednisolone phosphate. *European Journal of Pharmaceutical Sciences*, **2012**, 45, 436-41	5.1	32
92	Image guided therapy: the advent of theranostic agents. *Journal of Controlled Release*, **2012**, 161, 328-37	11.7	117
91	Supramolecular Adducts of Negatively Charged Lanthanide(III) DOTP Chelates and Cyclodextrins Functionalized with Ammonium Groups: Mass Spectrometry and Nuclear Magnetic Resonance Studies. *European Journal of Inorganic Chemistry*, **2012**, 2012, 2087-2098	2.3	5
90	Paramagnetic self-assembled nanoparticles as supramolecular MRI contrast agents. *Contrast Media and Molecular Imaging*, **2012**, 7, 356-61	3.2	50
89	Structure, stability and relaxivity of trinuclear triangular complexes. *Dalton Transactions*, **2011**, 40, 4284-90	4.2	7
88	Improved paramagnetic liposomes for MRI visualization of pH triggered release. *Journal of Controlled Release*, **2011**, 154, 196-202	11.7	53
87	Supramolecular protamine/Gd-loaded liposomes adducts as relaxometric protease responsive probes. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 1131-5	3.4	14
86	Iopamidol as a responsive MRI-chemical exchange saturation transfer contrast agent for pH mapping of kidneys: In vivo studies in mice at 7 T. *Magnetic Resonance in Medicine*, **2011**, 65, 202-11	4.4	150
85	YbIII-HPDO3A: A Dual pH- and Temperature-Responsive CEST Agent. *Angewandte Chemie*, **2011**, 123, 1838-1840	3.6	7
84	Yb(III)-HPDO3A: a dual pH- and temperature-responsive CEST agent. *Angewandte Chemie - International Edition*, **2011**, 50, 1798-800	16.4	96
83	Yeast cell wall particles: a promising class of nature-inspired microcarriers for multimodal imaging. *Chemical Communications*, **2011**, 47, 10635-7	5.8	24
82	Gadolinium-doped LipoCEST agents: a potential novel class of dual 1H-MRI probes. *Chemical Communications*, **2011**, 47, 4667-9	5.8	29
81	Advances in metal-based probes for MR molecular imaging applications. *Current Medicinal Chemistry*, **2010**, 17, 3684-700	4.3	44
80	Block copolymer vesicles containing paramagnetic lanthanide complexes: a novel class of T1- and CEST MRI contrast agents. *Soft Matter*, **2010**, 6, 4847	3.6	22
79	Challenges for molecular magnetic resonance imaging. *Chemical Reviews*, **2010**, 110, 3019-42	68.1	644
78	Large relaxivity enhancement of paramagnetic lipid nanoparticles by restricting the local motions of the Gd(III) chelates. *Journal of the American Chemical Society*, **2010**, 132, 7836-7	16.4	127
77	Surface modification of PLGA nanospheres with Gd-DTPA and Gd-DOTA for high-relaxivity MRI contrast agents. *Biomaterials*, **2010**, 31, 8716-23	15.6	77
76	In vivo MRI multicontrast kinetic analysis of the uptake and intracellular trafficking of paramagnetically labeled liposomes. *Journal of Controlled Release*, **2010**, 144, 271-9	11.7	58

75	Encoding the frequency dependence in MRI contrast media: the emerging class of CEST agents. *Contrast Media and Molecular Imaging*, **2010**, 5, 78-98	3.2	99
74	Osmotically shrunken LIPOCEST agents: an innovative class of magnetic resonance imaging contrast media based on chemical exchange saturation transfer. *Chemistry - A European Journal*, **2009**, 15, 1440-8	4.8	47
73	Methods for an improved detection of the MRI-CEST effect. *Contrast Media and Molecular Imaging*, **2009**, 4, 237-47	3.2	47
72	CMR2009: 11.02: Evaluating iopamidol as pH-responsive CEST agent at 3 and 7 T. *Contrast Media and Molecular Imaging*, **2009**, 4, 294-295	3.2	5
71	Evidence for in vivo macrophage mediated tumor uptake of paramagnetic/fluorescent liposomes. *NMR in Biomedicine*, **2009**, 22, 1084-92	4.4	29
70	A high relaxivity Gd(III)DOTA-DSPE-based liposomal contrast agent for magnetic resonance imaging. *European Journal of Pharmaceutics and Biopharmaceutics*, **2009**, 72, 397-404	5.7	85
69	Well-defined, multifunctional nanostructures of a paramagnetic lipid and a lipopeptide for macrophage imaging. *Journal of the American Chemical Society*, **2009**, 131, 406-7	16.4	26
68	Pushing the sensitivity envelope of lanthanide-based magnetic resonance imaging (MRI) contrast agents for molecular imaging applications. *Accounts of Chemical Research*, **2009**, 42, 822-31	24.3	308
67	Chapter 10 - Lanthanide-loaded paramagnetic liposomes as switchable magnetically oriented nanovesicles. *Methods in Enzymology*, **2009**, 464, 193-210	1.7	20
66	Lanthanide-loaded paramagnetic liposomes as switchable magnetically oriented nanovesicles. *Inorganic Chemistry*, **2008**, 47, 2928-30	5.1	25
65	Highly shifted LIPOCEST agents based on the encapsulation of neutral polynuclear paramagnetic shift reagents. *Chemical Communications*, **2008**, 600-2	5.8	34
64	First ex-vivo MRI co-localization of two LIPOCEST agents. *Contrast Media and Molecular Imaging*, **2008**, 3, 38-43	3.2	44
63	Development and validation of a smoothing-splines-based correction method for improving the analysis of CEST-MR images. *Contrast Media and Molecular Imaging*, **2008**, 3, 136-49	3.2	88
62	Paramagnetic liposomes as innovative contrast agents for magnetic resonance (MR) molecular imaging applications. *Chemistry and Biodiversity*, **2008**, 5, 1901-12	2.5	70
61	Determination of water permeability of paramagnetic liposomes of interest in MRI field. *Journal of Inorganic Biochemistry*, **2008**, 102, 1112-9	4.2	62
60	Metal containing nanosized systems for MR-Molecular Imaging applications. *Coordination Chemistry Reviews*, **2008**, 252, 2424-2443	23.2	108
59	Gd-loaded liposomes as T1, susceptibility, and CEST agents, all in one. *Journal of the American Chemical Society*, **2007**, 129, 2430-1	16.4	76
58	From spherical to osmotically shrunken paramagnetic liposomes: an improved generation of LIPOCEST MRI agents with highly shifted water protons. *Angewandte Chemie - International Edition*, **2007**, 46, 966-8	16.4	79

57	From Spherical to Osmotically Shrunken Paramagnetic Liposomes: An Improved Generation of LIPOCEST MRI Agents with Highly Shifted Water Protons. *Angewandte Chemie*, **2007**, 119, 984-986	3.6	15
56	Kinetics of the Formation of [Ln(DOTAM)]3+ Complexes. *European Journal of Inorganic Chemistry*, **2007**, 2007, 3639-3645	2.3	21
55	CMR 2005: 13.07: Novel applications in the field of MRI CEST agents. *Contrast Media and Molecular Imaging*, **2006**, 1, 89-89	3.2	
54	Gd-enhanced MR images of substrates other than water. *Contrast Media and Molecular Imaging*, **2006**, 1, 101-5	3.2	12
53	Effect of the intracellular localization of a Gd-based imaging probe on the relaxation enhancement of water protons. *Magnetic Resonance in Medicine*, **2006**, 55, 491-7	4.4	147
52	A R2/R1 ratiometric procedure for a concentration-independent, pH-responsive, Gd(III)-based MRI agent. *Journal of the American Chemical Society*, **2006**, 128, 11326-7	16.4	86
51	High sensitivity lanthanide(III) based probes for MR-medical imaging. *Coordination Chemistry Reviews*, **2006**, 250, 1562-1579	23.2	264
50	Gd(III)-BASED CONTRAST AGENTS FOR MRI. *Advances in Inorganic Chemistry*, **2005**, 57, 173-237	2.1	284
49	The extraordinary ligand binding properties of human serum albumin. *IUBMB Life*, **2005**, 57, 787-96	4.7	736
48	Tunable imaging of cells labeled with MRI-PARACEST agents. *Angewandte Chemie - International Edition*, **2005**, 44, 1813-5	16.4	157
47	Highly sensitive MRI chemical exchange saturation transfer agents using liposomes. *Angewandte Chemie - International Edition*, **2005**, 44, 5513-5	16.4	171
46	Tunable Imaging of Cells Labeled with MRI-PARACEST Agents. *Angewandte Chemie*, **2005**, 117, 1847-1849	3.6	15
45	Highly Sensitive MRI Chemical Exchange Saturation Transfer Agents Using Liposomes. *Angewandte Chemie*, **2005**, 117, 5649-5651	3.6	27
44	Iopamidol: Exploring the potential use of a well-established x-ray contrast agent for MRI. *Magnetic Resonance in Medicine*, **2005**, 53, 830-4	4.4	106
43	A multinuclear NMR relaxometry study of ternary adducts formed between heptadentate Gd(III) chelates and L-lactate. *Chemistry - A European Journal*, **2005**, 11, 5531-7	4.8	47
42	Ln(III)-DOTAMGly complexes: a versatile series to assess the determinants of the efficacy of paramagnetic chemical exchange saturation transfer agents for magnetic resonance imaging applications. *Investigative Radiology*, **2004**, 39, 235-43	10.1	109
41	The Water-Exchange Rate in Neutral Heptadentate DO3A-Like GdIII Complexes: Effect of the Basicity at the Macrocyclic Nitrogen Site. *European Journal of Inorganic Chemistry*, **2003**, 2003, 3530-3533	2.3	25
40	Cyclodextrin adducts of Gd(III) chelates: useful models for investigating the structural and dynamic determinants of the relaxivity of gadolinium-based systems. *Magnetic Resonance in Chemistry*, **2003**, 41, 800-805	2.1	17

39	Supramolecular Adducts between Poly-L-arginine and [TmIIIdotp]: A Route to Sensitivity-Enhanced Magnetic Resonance Imaging□Chemical Exchange Saturation Transfer Agents. *Angewandte Chemie*, **2003**, 115, 4665-4667	3.6	10
38	Ternary complexes between cationic GdIII chelates and anionic metabolites in aqueous solution: an NMR relaxometric study. *Chemistry - A European Journal*, **2003**, 9, 2102-9	4.8	77
37	Supramolecular adducts between poly-L-arginine and [TmIIIdotp]: a route to sensitivity-enhanced magnetic resonance imaging-chemical exchange saturation transfer agents. *Angewandte Chemie - International Edition*, **2003**, 42, 4527-9	16.4	66
36	Enantioselective recognition between chiral alpha-hydroxy-carboxylates and macrocyclic heptadentate lanthanide(III) chelates. *Inorganic Chemistry*, **2003**, 42, 4891-7	5.1	23
35	Interactions of lanthanides and their complexes with proteins. Conclusions regarding magnetic resonance imaging. *Metal Ions in Biological Systems*, **2003**, 40, 643-82		3
34	Novel pH-Reporter MRI Contrast Agents. *Angewandte Chemie*, **2002**, 114, 4510-4512	3.6	44
33	Novel pH-reporter MRI contrast agents. *Angewandte Chemie - International Edition*, **2002**, 41, 4334-6	16.4	182
32	1H and 17O relaxometric investigations of the binding of Mn(II) ion to human serum albumin. *Magnetic Resonance in Chemistry*, **2002**, 40, 41-48	2.1	28
31	Separation of intra- and extracellular lactate NMR signals using a lanthanide shift reagent. *Magnetic Resonance in Medicine*, **2002**, 47, 10-3	4.4	13
30	Paramagnetic lanthanide(III) complexes as pH-sensitive chemical exchange saturation transfer (CEST) contrast agents for MRI applications. *Magnetic Resonance in Medicine*, **2002**, 47, 639-48	4.4	346
29	Relaxometric evaluation of novel manganese(II) complexes for application as contrast agents in magnetic resonance imaging. *Journal of Biological Inorganic Chemistry*, **2002**, 7, 58-67	3.7	88
28	A paramagnetic probe to localize residues next to carboxylates on protein surfaces. *Journal of Biological Inorganic Chemistry*, **2002**, 7, 617-22	3.7	19
27	A paramagnetic MRI-CEST agent responsive to lactate concentration. *Journal of the American Chemical Society*, **2002**, 124, 9364-5	16.4	173
26	[DOTA-bis(amide)]lanthanide complexes: NMR evidence for differences in water-molecule exchange rates for coordination isomers. *Chemistry - A European Journal*, **2001**, 7, 288-96	4.8	64
25	High-Relaxivity contrast agents for magnetic resonance imaging based on multisite interactions between a beta-cyclodextrin oligomer and suitably functionalized GdIII chelates. *Chemistry - A European Journal*, **2001**, 7, 5261-9	4.8	63
24	Modulation of the water exchange rates in [Gd□DO3A] complex by formation of ternary complexes with carboxylate ligands. *Chemical Communications*, **2001**, 115-116	5.8	46
23	A p(O(2))-Responsive MRI Contrast Agent Based on the Redox Switch of Manganese(II / III) - Porphyrin Complexes. *Angewandte Chemie - International Edition*, **2000**, 39, 747-750	16.4	133
22	Ternary Gd(III)L-HSA adducts: evidence for the replacement of inner-sphere water molecules by coordinating groups of the protein. Implications for the design of contrast agents for MRI. *Journal of Biological Inorganic Chemistry*, **2000**, 5, 488-97	3.7	126

21	1H and 17O-NMR relaxometric investigations of paramagnetic contrast agents for MRI. Clues for higher relaxivities. *Coordination Chemistry Reviews*, **1999**, 185-186, 321-333	23.2	43
20	Contrast agents for magnetic resonance angiographic applications: 1H and 17O NMR relaxometric investigations on two gadolinium(III) DTPA-like chelates endowed with high binding affinity to human serum albumin. *Journal of Biological Inorganic Chemistry*, **1999**, 4, 766-74	3.7	94
19	Spectral Discrimination of Chiral Macrocyclic Paramagnetic Metal Complexes by NMR Techniques *Chemistry - A European Journal*, **1999**, 5, 1261-1266	4.8	18
18	Chemical Shift and Relaxation Reagents in NMR* **1999**, 253-261		
17	Prototropic and Water-Exchange Processes in Aqueous Solutions of Gd(III) Chelates. *Accounts of Chemical Research*, **1999**, 32, 941-949	24.3	180
16	NMR and luminescence studies on the formation of ternary adducts between HSA and Ln(III)-malonate complexes. *BBA - Proteins and Proteomics*, **1998**, 1385, 7-16		5
15	Determination of the Prototropic Exchange Rate at the Water Molecule Coordinated to an Anionic Paramagnetic GdIII Chelate. *European Journal of Inorganic Chemistry*, **1998**, 1998, 1283-1289	2.3	16
14	NMR relaxometric studies of Gd(III) complexes with heptadentate macrocyclic ligands. *Magnetic Resonance in Chemistry*, **1998**, 36, S200-S208	2.1	116
13	NMR relaxometric investigations of solid lipid nanoparticles (SLN) containing gadolinium(III) complexes. *European Journal of Pharmaceutics and Biopharmaceutics*, **1998**, 45, 157-63	5.7	78
12	Lanthanide(III) chelates for NMR biomedical applications. *Chemical Society Reviews*, **1998**, 27, 19-29	58.5	612
11	Towards MRI contrast agents of improved efficacy. NMR relaxometric investigations of the binding interaction to HSA of a novel heptadentate macrocyclic triphosphonate Gd(III)-complex. *Journal of Biological Inorganic Chemistry*, **1997**, 2, 470-479	3.7	71
10	Relaxometric Determination of the Exchange Rate of the Coordinated Water Protons in a Neutral GdIII Chelate. *Chemistry - A European Journal*, **1997**, 3, 1499-1504	4.8	27
9	Relaxometric, Structural, and Dynamic NMR Studies of DOTA-like Ln(III) Complexes (Ln = La, Gd, Ho, Yb) Containing a p-Nitrophenyl Substituent. *Inorganic Chemistry*, **1996**, 35, 2726-2736	5.1	63
8	Paramagnetic complexes as novel NMR pH indicators. *Chemical Communications*, **1996**, 1265	5.8	17
7	Gd(III) complexes as contrast agents for magnetic resonance imaging: a proton relaxation enhancement study of the interaction with human serum albumin. *Journal of Biological Inorganic Chemistry*, **1996**, 1, 312-319	3.7	152
6	A new ytterbium chelate as contrast agent in chemical shift imaging and temperature sensitive probe for MR spectroscopy. *Magnetic Resonance in Medicine*, **1996**, 35, 648-51	4.4	74
5	High-resolution NMR and relaxometric studies of Ln(III) complexes of relevance to MRI. *Journal of Alloys and Compounds*, **1995**, 225, 274-278	5.7	5
4	Gd(DOTP)5-outer-sphere relaxation enhancement promoted by nitrogen bases. *Magnetic Resonance in Medicine*, **1993**, 30, 583-91	4.4	65

3	Paramagnetic GdIII?FeIII heterobimetallic complexes of DTPA-bis-salicylamide. *Spectrochimica Acta Part A: Molecular Spectroscopy*, **1993**, 49, 1315-1322		28
2	Paramagnetic water proton relaxation enhancement: from contrast agents in MRI to reagents for quantitative "in vitro" assays. *Magnetic Resonance Imaging*, **1992**, 10, 849-54	3.3	14
1	An NMR study of the interaction between melanin free acid and Mn2+ ions as a model to mimic the enhanced proton relaxation rates in melanotic melanoma. *Magnetic Resonance Imaging*, **1991**, 9, 963-8	3.3	9