

Enzo Terreno

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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	The extraordinary ligand binding properties of human serum albumin. <i>IUBMB Life</i> , 2005 , 57, 787-96	4.7	736
163	Challenges for molecular magnetic resonance imaging. <i>Chemical Reviews</i> , 2010 , 110, 3019-42	68.1	644
162	Lanthanide(III) chelates for NMR biomedical applications. <i>Chemical Society Reviews</i> , 1998 , 27, 19-29	58.5	612
161	Paramagnetic lanthanide(III) complexes as pH-sensitive chemical exchange saturation transfer (CEST) contrast agents for MRI applications. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 639-48	4.4	346
160	Pushing the sensitivity envelope of lanthanide-based magnetic resonance imaging (MRI) contrast agents for molecular imaging applications. <i>Accounts of Chemical Research</i> , 2009 , 42, 822-31	24.3	308
159	Gd(III)-BASED CONTRAST AGENTS FOR MRI. <i>Advances in Inorganic Chemistry</i> , 2005 , 57, 173-237	2.1	284
158	High sensitivity lanthanide(III) based probes for MR-medical imaging. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 1562-1579	23.2	264
157	Novel pH-reporter MRI contrast agents. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4334-6	16.4	182
156	Prototropic and Water-Exchange Processes in Aqueous Solutions of Gd(III) Chelates. <i>Accounts of Chemical Research</i> , 1999 , 32, 941-949	24.3	180
155	A paramagnetic MRI-CEST agent responsive to lactate concentration. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9364-5	16.4	173
154	Highly sensitive MRI chemical exchange saturation transfer agents using liposomes. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5513-5	16.4	171
153	Tunable imaging of cells labeled with MRI-PARACEST agents. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1813-5	16.4	157
152	Gd(III) complexes as contrast agents for magnetic resonance imaging: a proton relaxation enhancement study of the interaction with human serum albumin. <i>Journal of Biological Inorganic Chemistry</i> , 1996 , 1, 312-319	3.7	152
151	lopamidol as a responsive MRI-chemical exchange saturation transfer contrast agent for pH mapping of kidneys: In vivo studies in mice at 7 T. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 202-11	4.4	150
150	Effect of the intracellular localization of a Gd-based imaging probe on the relaxation enhancement of water protons. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 491-7	4.4	147
149	A p(O(2))-Responsive MRI Contrast Agent Based on the Redox Switch of Manganese(II / III) - Porphyrin Complexes. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 747-750	16.4	133
148	Large relaxivity enhancement of paramagnetic lipid nanoparticles by restricting the local motions of the Gd(III) chelates. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7836-7	16.4	127

147	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. <i>Journal of Biological Inorganic Chemistry</i> , 2000 , 5, 488-97	3.7	126
146	Image guided therapy: the advent of theranostic agents. <i>Journal of Controlled Release</i> , 2012 , 161, 328-37	11.7	117
145	NMR relaxometric studies of Gd(III) complexes with heptadentate macrocyclic ligands. <i>Magnetic Resonance in Chemistry</i> , 1998 , 36, S200-S208	2.1	116
144	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. <i>Investigative Radiology</i> , 2004 , 39, 235-43	10.1	109
143	Metal containing nanosized systems for MR-Molecular Imaging applications. <i>Coordination Chemistry Reviews</i> , 2008 , 252, 2424-2443	23.2	108
142	Iopamidol: Exploring the potential use of a well-established x-ray contrast agent for MRI. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 830-4	4.4	106
141	Encoding the frequency dependence in MRI contrast media: the emerging class of CEST agents. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 78-98	3.2	99
140	Yb(III)-HPDO3A: a dual pH- and temperature-responsive CEST agent. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1798-800	16.4	96
139	Contrast agents for magnetic resonance angiographic applications: ¹ H and ¹⁷ O NMR relaxometric investigations on two gadolinium(III) DTPA-like chelates endowed with high binding affinity to human serum albumin. <i>Journal of Biological Inorganic Chemistry</i> , 1999 , 4, 766-74	3.7	94
138	Development and validation of a smoothing-splines-based correction method for improving the analysis of CEST-MR images. <i>Contrast Media and Molecular Imaging</i> , 2008 , 3, 136-49	3.2	88
137	Relaxometric evaluation of novel manganese(II) complexes for application as contrast agents in magnetic resonance imaging. <i>Journal of Biological Inorganic Chemistry</i> , 2002 , 7, 58-67	3.7	88
136	A R2/R1 ratiometric procedure for a concentration-independent, pH-responsive, Gd(III)-based MRI agent. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11326-7	16.4	86
135	A high relaxivity Gd(III)DOTA-DSPE-based liposomal contrast agent for magnetic resonance imaging. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 72, 397-404	5.7	85
134	In vivo maps of extracellular pH in murine melanoma by CEST-MRI. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 326-32	4.4	84
133	From spherical to osmotically shrunken paramagnetic liposomes: an improved generation of LIPOCEST MRI agents with highly shifted water protons. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 966-8	16.4	79
132	NMR relaxometric investigations of solid lipid nanoparticles (SLN) containing gadolinium(III) complexes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1998 , 45, 157-63	5.7	78
131	Surface modification of PLGA nanospheres with Gd-DTPA and Gd-DOTA for high-relaxivity MRI contrast agents. <i>Biomaterials</i> , 2010 , 31, 8716-23	15.6	77
130	Ternary complexes between cationic Gd(III) chelates and anionic metabolites in aqueous solution: an NMR relaxometric study. <i>Chemistry - A European Journal</i> , 2003 , 9, 2102-9	4.8	77

129	Gd-loaded liposomes as T1, susceptibility, and CEST agents, all in one. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2430-1	16.4	76
128	A new ytterbium chelate as contrast agent in chemical shift imaging and temperature sensitive probe for MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 648-51	4.4	74
127	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. <i>Journal of Biological Inorganic Chemistry</i> , 1997 , 2, 470-479	3.7	71
126	Paramagnetic liposomes as innovative contrast agents for magnetic resonance (MR) molecular imaging applications. <i>Chemistry and Biodiversity</i> , 2008 , 5, 1901-12	2.5	70
125	Supramolecular adducts between poly-L-arginine and [TmIII dotp]: a route to sensitivity-enhanced magnetic resonance imaging-chemical exchange saturation transfer agents. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4527-9	16.4	66
124	Gd(DOTP)5-outer-sphere relaxation enhancement promoted by nitrogen bases. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 583-91	4.4	65
123	[DOTA-bis(amide)]lanthanide complexes: NMR evidence for differences in water-molecule exchange rates for coordination isomers. <i>Chemistry - A European Journal</i> , 2001 , 7, 288-96	4.8	64
122	High-Relaxivity contrast agents for magnetic resonance imaging based on multisite interactions between a beta-cyclodextrin oligomer and suitably functionalized GdIII chelates. <i>Chemistry - A European Journal</i> , 2001 , 7, 5261-9	4.8	63
121	Relaxometric, Structural, and Dynamic NMR Studies of DOTA-like Ln(III) Complexes (Ln = La, Gd, Ho, Yb) Containing a p-Nitrophenyl Substituent. <i>Inorganic Chemistry</i> , 1996 , 35, 2726-2736	5.1	63
120	Determination of water permeability of paramagnetic liposomes of interest in MRI field. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 1112-9	4.2	62
119	Nanoparticle-based chemical exchange saturation transfer (CEST) agents. <i>NMR in Biomedicine</i> , 2013 , 26, 839-49	4.4	58
118	In vivo MRI multicontrast kinetic analysis of the uptake and intracellular trafficking of paramagnetically labeled liposomes. <i>Journal of Controlled Release</i> , 2010 , 144, 271-9	11.7	58
117	Improved paramagnetic liposomes for MRI visualization of pH triggered release. <i>Journal of Controlled Release</i> , 2011 , 154, 196-202	11.7	53
116	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. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1382-1390	6.3	52
115	In vivo MRI visualization of different cell populations labeled with PARACEST agents. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 1703-11	4.4	51
114	Paramagnetic self-assembled nanoparticles as supramolecular MRI contrast agents. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 356-61	3.2	50
113	Preparation and in vitro characterization of chitosan nanobubbles as theranostic agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 129, 39-46	6	47
112	Combined high resolution NMR and ¹ H and ¹⁷ O relaxometric study sheds light on the solution structure and dynamics of the lanthanide(III) complexes of HPDO3A. <i>Inorganic Chemistry</i> , 2013 , 52, 7130-8 ⁵¹	5.1	47

111	Osmotically shrunken LIPOCEST agents: an innovative class of magnetic resonance imaging contrast media based on chemical exchange saturation transfer. <i>Chemistry - A European Journal</i> , 2009 , 15, 1440-8	4.8	47
110	Methods for an improved detection of the MRI-CEST effect. <i>Contrast Media and Molecular Imaging</i> , 2009 , 4, 237-47	3.2	47
109	A multinuclear NMR relaxometry study of ternary adducts formed between heptadentate Gd(III) chelates and L-lactate. <i>Chemistry - A European Journal</i> , 2005 , 11, 5531-7	4.8	47
108	Modulation of the water exchange rates in [GdD ₃ O ₃ A] complex by formation of ternary complexes with carboxylate ligands. <i>Chemical Communications</i> , 2001 , 115-116	5.8	46
107	Sonosensitive theranostic liposomes for preclinical in vivo MRI-guided visualization of doxorubicin release stimulated by pulsed low intensity non-focused ultrasound. <i>Journal of Controlled Release</i> , 2015 , 202, 21-30	11.7	44
106	Advances in metal-based probes for MR molecular imaging applications. <i>Current Medicinal Chemistry</i> , 2010 , 17, 3684-700	4.3	44
105	First ex-vivo MRI co-localization of two LIPOCEST agents. <i>Contrast Media and Molecular Imaging</i> , 2008 , 3, 38-43	3.2	44
104	Novel pH-Reporter MRI Contrast Agents. <i>Angewandte Chemie</i> , 2002 , 114, 4510-4512	3.6	44
103	¹ H and ¹⁷ O-NMR relaxometric investigations of paramagnetic contrast agents for MRI. Clues for higher relaxivities. <i>Coordination Chemistry Reviews</i> , 1999 , 185-186, 321-333	23.2	43
102	Lanthanide-loaded erythrocytes as highly sensitive chemical exchange saturation transfer MRI contrast agents. <i>Journal of the American Chemical Society</i> , 2014 , 136, 638-41	16.4	42
101	Novel stable dendrimersome formulation for safe bioimaging applications. <i>Nanoscale</i> , 2015 , 7, 12943-54	7.7	37
100	LipoCEST and cellCEST imaging agents: opportunities and challenges. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016 , 8, 602-18	9.2	36
99	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. <i>Journal of Controlled Release</i> , 2016 , 230, 57-63	11.7	35
98	First in vivo MRI study on theranostic dendrimersomes. <i>Journal of Controlled Release</i> , 2017 , 248, 45-52	11.7	34
97	Highly shifted LIPOCEST agents based on the encapsulation of neutral polynuclear paramagnetic shift reagents. <i>Chemical Communications</i> , 2008 , 600-2	5.8	34
96	MRI evaluation of the antitumor activity of paramagnetic liposomes loaded with prednisolone phosphate. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 45, 436-41	5.1	32
95	Dendrimersomes: a new vesicular nano-platform for MR-molecular imaging applications. <i>Chemical Communications</i> , 2014 , 50, 3453-6	5.8	30
94	Gadolinium-doped LipoCEST agents: a potential novel class of dual ¹ H-MRI probes. <i>Chemical Communications</i> , 2011 , 47, 4667-9	5.8	29

93	Evidence for in vivo macrophage mediated tumor uptake of paramagnetic/fluorescent liposomes. <i>NMR in Biomedicine</i> , 2009 , 22, 1084-92	4.4	29
92	¹ H and ¹⁷ O relaxometric investigations of the binding of Mn(II) ion to human serum albumin. <i>Magnetic Resonance in Chemistry</i> , 2002 , 40, 41-48	2.1	28
91	Paramagnetic GdIII?FeIII heterobimetallic complexes of DTPA-bis-salicylamide. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993 , 49, 1315-1322		28
90	Relaxometric Determination of the Exchange Rate of the Coordinated Water Protons in a Neutral GdIII Chelate. <i>Chemistry - A European Journal</i> , 1997 , 3, 1499-1504	4.8	27
89	Highly Sensitive MRI Chemical Exchange Saturation Transfer Agents Using Liposomes. <i>Angewandte Chemie</i> , 2005 , 117, 5649-5651	3.6	27
88	Well-defined, multifunctional nanostructures of a paramagnetic lipid and a lipopeptide for macrophage imaging. <i>Journal of the American Chemical Society</i> , 2009 , 131, 406-7	16.4	26
87	Probing treatment response of glutaminolytic prostate cancer cells to natural drugs with hyperpolarized [5-(¹³ C)]glutamine. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 2296-305	4.4	25
86	Lanthanide-loaded paramagnetic liposomes as switchable magnetically oriented nanovesicles. <i>Inorganic Chemistry</i> , 2008 , 47, 2928-30	5.1	25
85	The Water-Exchange Rate in Neutral Heptadentate DO3A-Like GdIII Complexes: Effect of the Basicity at the Macrocyclic Nitrogen Site. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 3530-3533	2.3	25
84	Relaxometric studies of gadolinium-functionalized perfluorocarbon nanoparticles for MR imaging. <i>Contrast Media and Molecular Imaging</i> , 2014 , 9, 83-91	3.2	24
83	Yeast cell wall particles: a promising class of nature-inspired microcarriers for multimodal imaging. <i>Chemical Communications</i> , 2011 , 47, 10635-7	5.8	24
82	GdDOTAGA(C18) ₂ : an efficient amphiphilic Gd(III) chelate for the preparation of self-assembled high relaxivity MRI nanoprobes. <i>Chemical Communications</i> , 2015 , 51, 17455-8	5.8	23
81	Enantioselective recognition between chiral alpha-hydroxy-carboxylates and macrocyclic heptadentate lanthanide(III) chelates. <i>Inorganic Chemistry</i> , 2003 , 42, 4891-7	5.1	23
80	Block copolymer vesicles containing paramagnetic lanthanide complexes: a novel class of T1- and CEST MRI contrast agents. <i>Soft Matter</i> , 2010 , 6, 4847	3.6	22
79	Methodological aspects and pharmacological applications of three-dimensional cancer cell cultures and organoids. <i>Life Sciences</i> , 2020 , 254, 117784	6.8	21
78	Nano-sized and other improved reporters for magnetic resonance imaging of angiogenesis. <i>Advanced Drug Delivery Reviews</i> , 2017 , 119, 61-72	18.5	21
77	Kinetics of the Formation of [Ln(DOTAM)] ₃₊ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 3639-3645	2.3	21
76	Chapter 10 - Lanthanide-loaded paramagnetic liposomes as switchable magnetically oriented nanovesicles. <i>Methods in Enzymology</i> , 2009 , 464, 193-210	1.7	20

75	A paramagnetic probe to localize residues next to carboxylates on protein surfaces. <i>Journal of Biological Inorganic Chemistry</i> , 2002 , 7, 617-22	3.7	19
74	Successful entrapping of liposomes in glucan particles: an innovative micron-sized carrier to deliver water-soluble molecules. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3760-5	5.6	18
73	Spectral Discrimination of Chiral Macrocyclic Paramagnetic Metal Complexes by NMR Techniques \square <i>Chemistry - A European Journal</i> , 1999 , 5, 1261-1266	4.8	18
72	Paramagnetic Phospholipid-Based Micelles Targeting VCAM-1 Receptors for MRI Visualization of Inflammation. <i>Bioconjugate Chemistry</i> , 2016 , 27, 1921-30	6.3	17
71	Design and testing of paramagnetic liposome-based CEST agents for MRI visualization of payload release on pH-induced and ultrasound stimulation. <i>Journal of Biological Inorganic Chemistry</i> , 2014 , 19, 207-14	3.7	17
70	β Cyclodextrin adducts of Gd(III) chelates: useful models for investigating the structural and dynamic determinants of the relaxivity of gadolinium-based systems. <i>Magnetic Resonance in Chemistry</i> , 2003 , 41, 800-805	2.1	17
69	Paramagnetic complexes as novel NMR pH indicators. <i>Chemical Communications</i> , 1996 , 1265	5.8	17
68	Innovative Design of Ca-Sensitive Paramagnetic Liposomes Results in an Unprecedented Increase in Longitudinal Relaxivity. <i>Biomacromolecules</i> , 2016 , 17, 1303-11	6.9	16
67	Inactivation of Citron Kinase Inhibits Medulloblastoma Progression by Inducing Apoptosis and Cell Senescence. <i>Cancer Research</i> , 2018 , 78, 4599-4612	10.1	16
66	In vivo MRI visualization of release from liposomes triggered by local application of pulsed low-intensity non-focused ultrasound. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 901-4	6	16
65	MRI tracking of macrophages labeled with glucan particles entrapping a water insoluble paramagnetic Gd-based agent. <i>Molecular Imaging and Biology</i> , 2013 , 15, 307-15	3.8	16
64	Determination of the Prototropic Exchange Rate at the Water Molecule Coordinated to an Anionic Paramagnetic GdIII Chelate. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 1283-1289	2.3	16
63	From Spherical to Osmotically Shrunken Paramagnetic Liposomes: An Improved Generation of LIPOCEST MRI Agents with Highly Shifted Water Protons. <i>Angewandte Chemie</i> , 2007 , 119, 984-986	3.6	15
62	Tunable Imaging of Cells Labeled with MRI-PARACEST Agents. <i>Angewandte Chemie</i> , 2005 , 117, 1847-1849	3.6	15
61	Indocyanine green labeling for optical and photoacoustic imaging of mesenchymal stem cells after in vivo transplantation. <i>Journal of Biophotonics</i> , 2019 , 12, e201800035	3.1	15
60	Biodegradable polyelectrolyte/magnetite capsules for MR imaging and magnetic targeting of tumors. <i>Nanotheranostics</i> , 2021 , 5, 362-377	5.6	15
59	Targeting CD34 cells of the inflamed synovial endothelium by guided nanoparticles for the treatment of rheumatoid arthritis. <i>Journal of Autoimmunity</i> , 2019 , 103, 102288	15.5	14
58	Insights on the relaxation of liposomes encapsulating paramagnetic Ln-based complexes. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 468-73	4.4	14

57	Release of a Paramagnetic Magnetic Resonance Imaging Agent from Liposomes Triggered by Low Intensity Non-Focused Ultrasound. <i>Journal of Medical Imaging and Health Informatics</i> , 2013 , 3, 356-366	1.2	14
56	In Vivo Magnetic Resonance Imaging Detection of Paramagnetic Liposomes Loaded with Amphiphilic Gadolinium(III) Complexes: Impact of Molecular Structure on Relaxivity and Excretion Efficiency. <i>ChemPlusChem</i> , 2013 , 78, 712-722	2.8	14
55	Supramolecular protamine/Gd-loaded liposomes adducts as relaxometric protease responsive probes. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 1131-5	3.4	14
54	Paramagnetic water proton relaxation enhancement: from contrast agents in MRI to reagents for quantitative "in vitro" assays. <i>Magnetic Resonance Imaging</i> , 1992 , 10, 849-54	3.3	14
53	Separation of intra- and extracellular lactate NMR signals using a lanthanide shift reagent. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 10-3	4.4	13
52	Gd-enhanced MR images of substrates other than water. <i>Contrast Media and Molecular Imaging</i> , 2006 , 1, 101-5	3.2	12
51	Successful in vivo MRI tracking of MSCs labeled with Gadoteridol in a Spinal Cord Injury experimental model. <i>Experimental Neurology</i> , 2016 , 282, 66-77	5.7	11
50	MRI Contrast Agents for Pharmacological Research. <i>Frontiers in Pharmacology</i> , 2015 , 6, 290	5.6	11
49	The Future of Cancer Diagnosis, Treatment and Surveillance: A Systemic Review on Immunotherapy and Immuno-PET Radiotracers. <i>Molecules</i> , 2021 , 26,	4.8	11
48	Sonosensitive MRI Nanosystems as Cancer Theranostics: A Recent Update. <i>Frontiers in Chemistry</i> , 2018 , 6, 157	5	10
47	A novel SWCNT platform bearing DOTA and β -cyclodextrin units. "One shot" multidecoration under microwave irradiation. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4708-15	3.9	10
46	Quantitative assessment of cancer vascular architecture by skeletonization of high-resolution 3-D contrast-enhanced ultrasound images: role of liposomes and microbubbles. <i>Technology in Cancer Research and Treatment</i> , 2014 , 13, 541-50	2.7	10
45	Supramolecular Adducts between Poly-L-arginine and [TmIII]DOTP: A Route to Sensitivity-Enhanced Magnetic Resonance Imaging-Chemical Exchange Saturation Transfer Agents. <i>Angewandte Chemie</i> , 2003 , 115, 4665-4667	3.6	10
44	MRI visualization of neuroinflammation using VCAM-1 targeted paramagnetic micelles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 2341-2350	6	10
43	Modulation of the Prototropic Exchange Rate in pH-Responsive Yb-HPDO3A Derivatives as ParaCEST Agents. <i>ChemistrySelect</i> , 2018 , 3, 6035-6041	1.8	9
42	Sensitive MRI detection of internalized T1 contrast agents using magnetization transfer contrast. <i>NMR in Biomedicine</i> , 2015 , 28, 1663-70	4.4	9
41	An NMR study of the interaction between melanin free acid and Mn ²⁺ ions as a model to mimic the enhanced proton relaxation rates in melanotic melanoma. <i>Magnetic Resonance Imaging</i> , 1991 , 9, 963-8	3.3	9
40	Novel Gastrin-Releasing Peptide Receptor Targeted Near-Infrared Fluorescence Dye for Image-Guided Surgery of Prostate Cancer. <i>Molecular Imaging and Biology</i> , 2020 , 22, 85-93	3.8	9

39	Paramagnetic CEST MRI Contrast Agents 2013 , 387-425		8
38	Optimizing the high-field relaxivity by self-assembling of macrocyclic Gd(III) complexes. <i>Dalton Transactions</i> , 2015 , 44, 4910-7	4.3	7
37	Glucan particles loaded with a NIRF agent for imaging monocytes/macrophages recruitment in a mouse model of rheumatoid arthritis. <i>RSC Advances</i> , 2015 , 5, 34078-34087	3.7	7
36	Structure, stability and relaxivity of trinuclear triangular complexes. <i>Dalton Transactions</i> , 2011 , 40, 4284-29	4.9	7
35	YbIII-HPDO3A: A Dual pH- and Temperature-Responsive CEST Agent. <i>Angewandte Chemie</i> , 2011 , 123, 1838-1840	3.6	7
34	Synthesis, Characterization, and Biodistribution of a Dinuclear Gadolinium Complex with Improved Properties as a Blood Pool MRI Agent. <i>ChemMedChem</i> , 2018 , 13, 824-834	3.7	6
33	Dendrimeric calcium-sensitive MRI probes: the first low-field relaxometric study. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 969-979	7.3	5
32	Polymeric vesicles loaded with gadoteridol as reversible and concentration-independent magnetic resonance imaging thermometers. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 1620-6	4	5
31	Supramolecular Adducts of Negatively Charged Lanthanide(III) DOTA Chelates and Cyclodextrins Functionalized with Ammonium Groups: Mass Spectrometry and Nuclear Magnetic Resonance Studies. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2087-2098	2.3	5
30	CMR2009: 11.02: Evaluating iopamidol as pH-responsive CEST agent at 3 and 7 T. <i>Contrast Media and Molecular Imaging</i> , 2009 , 4, 294-295	3.2	5
29	NMR and luminescence studies on the formation of ternary adducts between HSA and Ln(III)-malonate complexes. <i>BBA - Proteins and Proteomics</i> , 1998 , 1385, 7-16		5
28	High-resolution NMR and relaxometric studies of Ln(III) complexes of relevance to MRI. <i>Journal of Alloys and Compounds</i> , 1995 , 225, 274-278	5.7	5
27	Imaging of Inflammation in Spinal Cord Injury: Novel Insights on the Usage of PFC-Based Contrast Agents. <i>Biomedicines</i> , 2021 , 9,	4.8	4
26	Therapeutic targeting of Lyn kinase to treat chorea-acanthocytosis. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 81	7.3	4
25	NSCLC Biomarkers to Predict Response to Immunotherapy with Checkpoint Inhibitors (ICI): From the Cells to In Vivo Images. <i>Cancers</i> , 2021 , 13,	6.6	4
24	Development and characterization of lanthanide-HPDO3A-C16-based micelles as CEST-MRI contrast agents. <i>Dalton Transactions</i> , 2019 , 48, 5343-5351	4.3	3
23	MR-Guided Drug Release From Liposomes Triggered by Thermal and Mechanical Ultrasound-Induced Effects. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	3
22	Orthotopic induction of CH157MN convexity and skull base meningiomas into nude mice using stereotactic surgery and MRI characterization. <i>Animal Models and Experimental Medicine</i> , 2019 , 2, 58-63	4.2	3

21	An efficient MRI agent targeting extracellular markers in prostate adenocarcinoma. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1935-1946	4.4	3
20	Interactions of lanthanides and their complexes with proteins. Conclusions regarding magnetic resonance imaging. <i>Metal Ions in Biological Systems</i> , 2003 , 40, 643-82		3
19	Mn(II)-Based Lipidic Nanovesicles as High-Efficiency MRI Probes.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2401-2409		2
18	CEST and PARACEST Agents for Molecular Imaging 2014 , 225-243		2
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16	Non-invasive parenchymal, vascular and metabolic high-frequency ultrasound and photoacoustic rat deep brain imaging. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	2
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