

Peter Caravan

List of Publications by Year in descending order

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203
papers

17,484
citations

25034

57
h-index

14208

128
g-index

224
all docs

224
docs citations

224
times ranked

14553
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and Characterization of Thrombosis in Humans Using Fibrin-Targeted Positron Emission Tomography and Magnetic Resonance. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 504-515.	5.3	12
2	Enzyme Control Over Ferric Iron Magnetostructural Properties. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
3	Enzyme Control Over Ferric Iron Magnetostructural Properties. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	4
4	Peroxidasin Deficiency Re-programs Macrophages Toward Pro-fibrosis Function and Promotes Collagen Resolution in Liver. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1483-1509.	4.5	9
5	Lysyl oxidase regulation and protein aldehydes in the injured newborn lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L204-L223.	2.9	6
6	Imaging High-Risk Atherothrombosis Using a Novel Fibrin-Binding Positron Emission Tomography Probe. <i>Stroke</i> , 2022, 53, 595-604.	2.0	3
7	Reply to: Endobronchial Optical Coherence Tomography: Shining New Light on Diagnosing UIP?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, , .	5.6	2
8	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease. , 2022, 1, 28-44.		32
9	Highlight selection of radiochemistry and radiopharmacy developments by editorial board. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2022, 7, 9.	3.9	1
10	Fibrin-targeting molecular MRI in inflammatory CNS disorders. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3692-3704.	6.4	5
11	Prediction of Gd(III) complex thermodynamic stability. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214606.	18.8	9
12	Abstract 2454: Imaging pancreatic ductal adenocarcinoma using a zinc-sensitive MRI contrast agent: A novel method to detect early-stage PDAC lesions. <i>Cancer Research</i> , 2022, 82, 2454-2454.	0.9	0
13	Abstract 255: Peroxidasin deficiency recruits pro-healing macrophages into the liver and inhibits NAFLD progression to HCC. <i>Cancer Research</i> , 2022, 82, 255-255.	0.9	0
14	In situ decellularization of a large animal saccular aneurysm model: sustained inflammation and active aneurysm wall remodeling. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 267-271.	3.3	5
15	Quantitative, noninvasive MRI characterization of disease progression in a mouse model of non-alcoholic steatohepatitis. <i>Scientific Reports</i> , 2021, 11, 6105.	3.3	4
16	Use of EP3533-Enhanced Magnetic Resonance Imaging as a Measure of Disease Progression in Skeletal Muscle of mdx Mice. <i>Frontiers in Neurology</i> , 2021, 12, 636719.	2.4	3
17	Abstract 1311: PET-MRI microdosing can determine the delivery of the experimental cancer therapeutic, MN-anti-miR10b, to metastatic lesions in a murine model of breast cancer. , 2021, , .		0
18	Multimodal Bone Metastasis-associated Epidermal Growth Factor Receptor Imaging in an Orthotopic Rat Model. <i>Radiology Imaging Cancer</i> , 2021, 3, e200069.	1.6	1

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19	Radiolabeling and PETâ€“MRI microdosing of the experimental cancer therapeutic, MN-anti-miR10b, demonstrates delivery to metastatic lesions in a murine model of metastatic breast cancer. <i>Cancer Nanotechnology</i> , 2021, 12, .	3.7	1
20	Diagnostic Accuracy of Endobronchial Optical Coherence Tomography for the Microscopic Diagnosis of Usual Interstitial Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1164-1179.	5.6	32
21	Dynamic contrast-enhanced magnetic resonance imaging of the lung reveals important pathobiology in idiopathic pulmonary fibrosis. <i>ERJ Open Research</i> , 2021, 7, 00907-2020.	2.6	8
22	Evaluation of the Diagnostic Performance of Positron Emission Tomography/Magnetic Resonance for the Diagnosis of Liver Metastases. <i>Investigative Radiology</i> , 2021, 56, 621-628.	6.2	15
23	Molecular MR Contrast Agents. <i>Investigative Radiology</i> , 2021, 56, 20-34.	6.2	25
24	Molecular Imaging of Fibrosis. , 2021, , 1447-1468.		0
25	⁸⁶ Y PET imaging. <i>Methods in Enzymology</i> , 2021, 651, 313-342.	1.0	3
26	Positron Emission Tomographyâ€“Magnetic Resonance Imaging Pharmacokinetics, In Vivo Biodistribution, and Whole-Body Elimination of Mn-PyC3A. <i>Investigative Radiology</i> , 2021, 56, 261-270.	6.2	24
27	Molecular Magnetic Resonance Imaging of Liver Fibrosis and Fibrogenesis Is Not Altered by Inflammation. <i>Investigative Radiology</i> , 2021, 56, 244-251.	6.2	6
28	Improving the reactivity of hydrazine-bearing MRI probes for <i>in vivo</i> imaging of lung fibrogenesis. <i>Chemical Science</i> , 2020, 11, 224-231.	7.4	33
29	Yttriumâ€“86 Is a Positron Emitting Surrogate of Gadolinium for Noninvasive Quantification of Wholeâ€“Body Distribution of Gadoliniumâ€“Based Contrast Agents. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1474-1478.	13.8	23
30	Molecular Magnetic Resonance Imaging of Fibrin Deposition in the Liver as an Indicator of Tissue Injury and Inflammation. <i>Investigative Radiology</i> , 2020, 55, 209-216.	6.2	15
31	Imaging Cardiovascular and Lung Macrophages With the Positron Emission Tomography Sensor ⁶⁴ Cu-Macrin in Mice, Rabbits, and Pigs. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e010586.	2.6	32
32	Rational Ligand Design Enables pH Control over Aqueous Iron Magnetostructural Dynamics and Relaxometric Properties. <i>Inorganic Chemistry</i> , 2020, 59, 17712-17721.	4.0	16
33	Collagen-targeted molecular imaging in diffuse liver diseases. <i>Abdominal Radiology</i> , 2020, 45, 3545-3556.	2.1	7
34	Toward Molecular Imaging of Intestinal Pathology. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1470-1484.	1.9	11
35	Revisiting dithiadiazza macrocyclic chelators for copper-64 PET imaging. <i>Dalton Transactions</i> , 2020, 49, 14088-14098.	3.3	6
36	Particle Size of Xâ€“ray Pumped UVCâ€“Emitting Nanoparticles Defines Intracellular Localization and Biological Activity Against Cancer Cells. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000201.	2.3	1

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37	Advanced MRI of Liver Fibrosis and Treatment Response in a Rat Model of Nonalcoholic Steatohepatitis. <i>Radiology</i> , 2020, 296, 67-75.	7.3	22
38	Applications for Transition-Metal Chemistry in Contrast-Enhanced Magnetic Resonance Imaging. <i>Inorganic Chemistry</i> , 2020, 59, 6648-6678.	4.0	80
39	Free-breathing dynamic contrast-enhanced magnetic resonance of interstitial lung fibrosis. <i>Magnetic Resonance Imaging</i> , 2020, 69, 16-21.	1.8	9
40	Advances in functional and molecular MRI technologies in chronic liver diseases. <i>Journal of Hepatology</i> , 2020, 73, 1241-1254.	3.7	27
41	Fibrotic Response to Neoadjuvant Therapy Predicts Survival in Pancreatic Cancer and Is Measurable with Collagen-Targeted Molecular MRI. <i>Clinical Cancer Research</i> , 2020, 26, 5007-5018.	7.0	29
42	Yttrium-86 Is a Positron Emitting Surrogate of Gadolinium for Noninvasive Quantification of Whole-Body Distribution of Gadolinium-Based Contrast Agents. <i>Angewandte Chemie</i> , 2020, 132, 1490-1494.	2.0	1
43	A Chelate-Free Nano-Platform for Incorporation of Diagnostic and Therapeutic Isotopes. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 31-47.	6.7	9
44	Peroxidase Sensitive Amplifiable Probe for Molecular Magnetic Resonance Imaging of Pulmonary Inflammation. <i>ACS Sensors</i> , 2019, 4, 2412-2419.	7.8	17
45	THU-084-A comparative study of anti-Fibrotic therapeutics using aptamer-based quantitative proteomics in a rat model of non-alcoholic steatohepatitis cirrhosis. <i>Journal of Hepatology</i> , 2019, 70, e196-e197.	3.7	0
46	The biological fate of gadolinium-based MRI contrast agents: a call to action for bioinorganic chemists. <i>Metallomics</i> , 2019, 11, 240-254.	2.4	100
47	Targeted MR Imaging in Cardiovascular Disease. <i>Contemporary Cardiology</i> , 2019, , 439-449.	0.1	0
48	Water exchange in lanthanide complexes for MRI applications. Lessons learned over the last 25 years. <i>Dalton Transactions</i> , 2019, 48, 11161-11180.	3.3	41
49	Type I Collagen-targeted Positron Emission Tomography Imaging in Idiopathic Pulmonary Fibrosis: First-in-Human Studies. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 258-261.	5.6	41
50	THU-093-The calpain inhibitor, BLD-2660, has robust anti-fibrotic activity in a rat model of non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2019, 70, e201-e202.	3.7	3
51	Novel Imaging Approaches in Systemic Sclerosis-Associated Interstitial Lung Disease. <i>Current Rheumatology Reports</i> , 2019, 21, 25.	4.7	13
52	⁶⁸ Ga-NODAGA-Indole: An Allysine-Reactive Positron Emission Tomography Probe for Molecular Imaging of Pulmonary Fibrogenesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 5593-5596.	13.7	23
53	The farnesoid X receptor agonist EDP305 reduces interstitial renal fibrosis in a mouse model of unilateral ureteral obstruction. <i>FASEB Journal</i> , 2019, 33, 7103-7112.	0.5	29
54	Molecular Magnetic Resonance Imaging Using a Redox-Active Iron Complex. <i>Journal of the American Chemical Society</i> , 2019, 141, 5916-5925.	13.7	96

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55	DYNAMIC CONTRAST-ENHANCED MRI TO ASSESS THE MICROVASCULATURE IN IPF. <i>Chest</i> , 2019, 156, A2268.	0.8	1
56	Tumor Contrast Enhancement and Whole-Body Elimination of the Manganese-Based Magnetic Resonance Imaging Contrast Agent Mn-PyC3A. <i>Investigative Radiology</i> , 2019, 54, 697-703.	6.2	45
57	Noninvasive quantification of fibrosis in skeletal and cardiac muscle in mdx mice using EP3533 enhanced magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2728-2735.	3.0	12
58	Molecular Probes for Imaging Fibrosis and Fibrogenesis. <i>Chemistry - A European Journal</i> , 2019, 25, 1128-1141.	3.3	43
59	Chemistry of MRI Contrast Agents: Current Challenges and New Frontiers. <i>Chemical Reviews</i> , 2019, 119, 957-1057.	47.7	977
60	Molecular imaging of fibrosis: recent advances and future directions. <i>Journal of Clinical Investigation</i> , 2019, 129, 24-33.	8.2	86
61	Cardiovascular Magnetic Resonance Contrast Agents. , 2019, , 27-39.e4.		0
62	Chiral DOTA chelators as an improved platform for biomedical imaging and therapy applications. <i>Nature Communications</i> , 2018, 9, 857.	12.8	64
63	Gadofosveset-enhanced lung magnetic resonance imaging to detect ongoing vascular leak in pulmonary fibrosis. <i>European Respiratory Journal</i> , 2018, 51, 1800171.	6.7	27
64	Laser-assisted delivery of synergistic combination chemotherapy in in vivo skin. <i>Journal of Controlled Release</i> , 2018, 275, 242-253.	9.9	30
65	Gadolinium-Free Contrast Agents for Magnetic Resonance Imaging of the Central Nervous System. <i>ACS Chemical Neuroscience</i> , 2018, 9, 395-397.	3.5	28
66	Metabolite profiling with HPLC-ICP-MS as a tool for in vivo characterization of imaging probes. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2018, 3, 2.	3.9	6
67	Prolonged cenicriviroc therapy reduces hepatic fibrosis despite steatohepatitis in a diet-induced mouse model of nonalcoholic steatohepatitis. <i>Hepatology Communications</i> , 2018, 2, 529-545.	4.3	43
68	A Manganese-based Alternative to Gadolinium: Contrast-enhanced MR Angiography, Excretion, Pharmacokinetics, and Metabolism. <i>Radiology</i> , 2018, 286, 865-872.	7.3	87
69	Manganese-Based Contrast Agents for Magnetic Resonance Imaging of Liver Tumors: Structure-Activity Relationships and Lead Candidate Evaluation. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8811-8824.	6.4	72
70	Collagen targeted MRI accurately measures the desmoplastic response to folfirinox treatment in a murine model of pancreatic cancer. <i>Hpb</i> , 2018, 20, S23-S24.	0.3	1
71	High-resolution Imaging of Myeloperoxidase Activity Sensors in Human Cerebrovascular Disease. <i>Scientific Reports</i> , 2018, 8, 7687.	3.3	23
72	Imaging the Vascular Bone Marrow Niche During Inflammatory Stress. <i>Circulation Research</i> , 2018, 123, 415-427.	4.5	45

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73	Molecular magnetic resonance imaging accurately measures the antifibrotic effect of EDP-305, a novel farnesoid X receptor agonist. <i>Hepatology Communications</i> , 2018, 2, 821-835.	4.3	46
74	Orthotopic and heterotopic murine models of pancreatic cancer and their different responses to FOLFIRINOX chemotherapy. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	60
75	CM-101: Type I Collagen-targeted MR Imaging Probe for Detection of Liver Fibrosis. <i>Radiology</i> , 2018, 287, 581-589.	7.3	43
76	Intramolecular Hydrogen Bonding Restricts Gd ³⁺ -Aqua Ligand Dynamics. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5603-5606.	13.8	19
77	Gadolinium-based contrast agents in pediatric magnetic resonance imaging. <i>Pediatric Radiology</i> , 2017, 47, 507-521.	2.0	45
78	A Novel Farnesoid X Receptor (FXR) Agonist, EDP-305, Reduces Fibrosis Progression in Animal Models of Hepatobiliary Injury. <i>Gastroenterology</i> , 2017, 152, S1276.	1.3	0
79	Intramolecular Hydrogen Bonding Restricts Gd ³⁺ -Aqua Ligand Dynamics. <i>Angewandte Chemie</i> , 2017, 129, 5695-5698.	2.0	2
80	Optimization of a Collagen-Targeted PET Probe for Molecular Imaging of Pulmonary Fibrosis. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1991-1996.	5.0	50
81	Type I collagen-targeted PET probe for pulmonary fibrosis detection and staging in preclinical models. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	128
82	Evaluation of antitumor activity and cardiac toxicity of a bone-targeted pH-sensitive liposomal formulation in a bone metastasis tumor model in mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1693-1701.	3.3	19
83	Peptide-based fibrin-targeting probes for thrombus imaging. <i>Dalton Transactions</i> , 2017, 46, 14488-14508.	3.3	37
84	High sensitivity HPLC method for determination of the allysine concentration in tissue by use of a naphthol derivative. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1064, 7-13.	2.3	14
85	Molecular MR imaging of fibrosis in a mouse model of pancreatic cancer. <i>Scientific Reports</i> , 2017, 7, 8114.	3.3	30
86	Molecular Magnetic Resonance Imaging of Lung Fibrogenesis with an Oxyamine-Based Probe. <i>Angewandte Chemie</i> , 2017, 129, 9957-9960.	2.0	7
87	Gut microbiota is critical for the induction of chemotherapy-induced pain. <i>Nature Neuroscience</i> , 2017, 20, 1213-1216.	14.8	194
88	Molecular Magnetic Resonance Imaging of Lung Fibrogenesis with an Oxyamine-Based Probe. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9825-9828.	13.8	41
89	Combined magnetic resonance elastography and collagen molecular magnetic resonance imaging accurately stage liver fibrosis in a rat model. <i>Hepatology</i> , 2017, 65, 1015-1025.	7.3	43
90	Uncoupling of the profibrotic and hemostatic effects of thrombin in lung fibrosis. <i>JCI Insight</i> , 2017, 2, .	5.0	67

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91	Molecular imaging of oxidized collagen quantifies pulmonary and hepatic fibrogenesis. JCI Insight, 2017, 2, .	5.0	57
92	Development of a bone-targeted pH-sensitive liposomal formulation containing doxorubicin: physicochemical characterization, cytotoxicity, and biodistribution evaluation in a mouse model of bone metastasis. International Journal of Nanomedicine, 2016, Volume 11, 3737-3751.	6.7	31
93	Macrocyclic-Based Hydroxamate Ligands for Complexation and Immunoconjugation of ⁸⁹ Zirconium for Positron Emission Tomography (PET) Imaging. ChemPlusChem, 2016, 81, 274-281.	2.8	55
94	Gd ₃ TCAS ₂ : An Aquated Gd ³⁺ -Thiacalix[4]arene Sandwich Cluster with Extremely Slow Ligand Substitution Kinetics. Inorganic Chemistry, 2016, 55, 4000-4005.	4.0	15
95	A Janus Chelator Enables Biochemically Responsive MRI Contrast with Exceptional Dynamic Range. Journal of the American Chemical Society, 2016, 138, 15861-15864.	13.7	59
96	Bioorthogonal Fluorophore Linked DFO-Technology Enabling Facile Chelator Quantification and Multimodal Imaging of Antibodies. Bioconjugate Chemistry, 2016, 27, 257-263.	3.6	50
97	T2 relaxation time is related to liver fibrosis severity. Quantitative Imaging in Medicine and Surgery, 2016, 6, 103-114.	2.0	54
98	Probing the Structure-Relaxivity Relationship of Bis-hydrated Gd(DOTA) Derivatives. Inorganic Chemistry, 2015, 54, 2403-2410.	4.0	15
99	MR imaging probes: design and applications. Dalton Transactions, 2015, 44, 4804-4818.	3.3	112
100	Radiation Dosimetry of the Fibrin-Binding Probe ⁶⁴ Cu-FBP8 and Its Feasibility for PET Imaging of Deep Vein Thrombosis and Pulmonary Embolism in Rats. Journal of Nuclear Medicine, 2015, 56, 1088-1093.	5.0	24
101	Multimodal Molecular Imaging Reveals High Target Uptake and Specificity of ¹¹¹ In- and ⁶⁸ Ga-Labeled Fibrin-Binding Probes for Thrombus Detection in Rats. Journal of Nuclear Medicine, 2015, 56, 1587-1592.	5.0	21
102	Multisite Thrombus Imaging and Fibrin Content Estimation With a Single Whole-Body PET Scan in Rats. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2114-2121.	2.4	42
103	3D molecular MR imaging of liver fibrosis and response to rapamycin therapy in a bile duct ligation rat model. Journal of Hepatology, 2015, 63, 689-696.	3.7	57
104	A Manganese Alternative to Gadolinium for MRI Contrast. Journal of the American Chemical Society, 2015, 137, 15548-15557.	13.7	262
105	Hexameric Mn ^{II} Dendrimer as MRI Contrast Agent. Chemistry - A European Journal, 2014, 20, 14507-14513.	3.3	58
106	Noninvasive Biomarkers of Liver Fibrosis: Clinical Applications and Future Directions. Current Pathobiology Reports, 2014, 2, 245-256.	3.4	30
107	Epidermal growth factor receptor inhibition attenuates liver fibrosis and development of hepatocellular carcinoma. Hepatology, 2014, 59, 1577-1590.	7.3	290
108	Contrast agents for MRI: 30+ years and where are we going?. Journal of Biological Inorganic Chemistry, 2014, 19, 127-131.	2.6	141

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109	Structure-Relaxivity Relationships for Redox Responsive Manganese-Based Magnetic Resonance Imaging Probes. <i>Inorganic Chemistry</i> , 2014, 53, 10748-10761.	4.0	73
110	Gd(DOTA)P: Exploring the Boundaries of Fast Water Exchange in Gadolinium-Based Magnetic Resonance Imaging Contrast Agents. <i>Inorganic Chemistry</i> , 2014, 53, 6985-6994.	4.0	23
111	Pycup-A Bifunctional, Cage-like Ligand for ⁶⁴ Cu Radiolabeling. <i>Molecular Pharmaceutics</i> , 2014, 11, 617-629.	4.6	40
112	Effect of Chelate Type and Radioisotope on the Imaging Efficacy of 4 Fibrin-Specific PET Probes. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1157-1163.	5.0	25
113	In Vivo Molecular Imaging of Thrombosis and Thrombolysis Using a Fibrin-Binding Positron Emission Tomographic Probe. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 697-705.	2.6	41
114	Whole brain mapping of water pools and molecular dynamics with rotating frame MR relaxation using gradient modulated low-power adiabatic pulses. <i>NeuroImage</i> , 2014, 89, 92-109.	4.2	24
115	Activation and Retention: A Magnetic Resonance Probe for the Detection of Acute Thrombosis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1140-1143.	13.8	22
116	Peptide Optimization and Conjugation Strategies in the Development of Molecularly Targeted Magnetic Resonance Imaging Contrast Agents. <i>Methods in Molecular Biology</i> , 2014, 1088, 185-211.	0.9	18
117	Molecular Magnetic Resonance Imaging of Pulmonary Fibrosis in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 1120-1126.	2.9	89
118	Direct Measurement of the Mn(II) Hydration State in Metal Complexes and Metalloproteins through ¹⁷ O NMR Line Widths. <i>Journal of the American Chemical Society</i> , 2013, 135, 18600-18608.	13.7	92
119	Molecular MRI of collagen to diagnose and stage liver fibrosis. <i>Journal of Hepatology</i> , 2013, 59, 992-998.	3.7	128
120	[Gd(CyPic3A)(H ₂ O) ₂] ⁺ : a stable, bis(aquated) and high-relaxivity Gd(III) complex. <i>Chemical Communications</i> , 2013, 49, 8060.	4.1	40
121	Molecular MRI of the Cardiovascular System in the Post-NSF Era. <i>Current Cardiovascular Imaging Reports</i> , 2013, 6, 61-68.	0.6	8
122	Is Macrocycle a Synonym for Kinetic Inertness in Gd(III) Complexes? Effect of Coordinating and Noncoordinating Substituents on Inertness and Relaxivity of Gd(III) Chelates with DO3A-like Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 4084-4096.	4.0	44
123	Redox-Activated Manganese-Based MR Contrast Agent. <i>Journal of the American Chemical Society</i> , 2013, 135, 4620-4623.	13.7	156
124	Fibrin-Targeted PET Probes for the Detection of Thrombi. <i>Molecular Pharmaceutics</i> , 2013, 10, 1100-1110.	4.6	51
125	Structure-Relaxivity Relationships of Serum Albumin Targeted MRI Probes Based on a Single Amino Acid Gd Complex. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1782-1786.	6.4	31
126	Science to Practice: How Will Myocardial Inflammation Be Imaged with MR Imaging?. <i>Radiology</i> , 2012, 264, 309-311.	7.3	1

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127	Molecular Imaging of Fibrin in a Breast Cancer Xenograft Mouse Model. <i>Investigative Radiology</i> , 2012, 47, 553-558.	6.2	29
128	Fibrin Specific Peptides Derived by Phage Display: Characterization of Peptides and Conjugates for Imaging. <i>Bioconjugate Chemistry</i> , 2012, 23, 548-556.	3.6	60
129	Discrete Bimodal Probes for Thrombus Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 10799-10802.	13.7	33
130	Molecular MR imaging of liver fibrosis: A feasibility study using rat and mouse models. <i>Journal of Hepatology</i> , 2012, 57, 549-555.	3.7	97
131	Gd(DOTA)A: A Single Amino Acid Gd-complex as a Modular Tool for High Relaxivity MR Contrast Agent Development. <i>Journal of the American Chemical Society</i> , 2012, 134, 19858-19868.	13.7	70
132	Structure-Relaxivity Relationships among Targeted MR Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1916-1923.	2.0	41
133	Serum Albumin Targeted, pH-Dependent Magnetic Resonance Relaxation Agents. <i>Chemistry - A European Journal</i> , 2012, 18, 3675-3686.	3.3	32
134	¹ H chemical shift magnetic resonance imaging probes with high sensitivity for multiplex imaging. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 276-279.	0.8	7
135	Molecular MRI of Thrombosis. <i>Current Cardiovascular Imaging Reports</i> , 2011, 4, 77-84.	0.6	33
136	Heteroditopic Binding of Magnetic Resonance Contrast Agents for Increased Relaxivity. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2621-2624.	13.8	28
137	Bimodal Thrombus Imaging: Simultaneous PET/MR Imaging with a Fibrin-targeted Dual PET/MR Probe—Feasibility Study in Rat Model. <i>Radiology</i> , 2011, 258, 812-820.	7.3	86
138	Molecular MRI of Acute Necrosis With a Novel DNA-Binding Gadolinium Chelate. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 729-737.	2.6	54
139	Strategies for the Preparation of Bifunctional Gadolinium(III) Chelators. <i>Current Organic Synthesis</i> , 2011, 8, 535-565.	1.3	51
140	Gadofosveset-Enhanced Magnetic Resonance Imaging of Human Carotid Atherosclerotic Plaques. <i>Investigative Radiology</i> , 2010, 45, 275-281.	6.2	47
141	High Relaxivity Magnetic Resonance Imaging Contrast Agents Part 1. <i>Investigative Radiology</i> , 2010, 45, 600-612.	6.2	79
142	High-Relaxivity Magnetic Resonance Imaging Contrast Agents Part 2. <i>Investigative Radiology</i> , 2010, 45, 613-624.	6.2	119
143	Bimodal MR-PET Agent for Quantitative pH Imaging. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2382-2384.	13.8	145
144	Evidence for weak protein binding of commercial extracellular gadolinium contrast agents. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 609-616.	3.0	27

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145	Cardiovascular Magnetic Resonance Contrast Agents. , 2010, , 76-90.		3
146	Molecular MRI of Intracranial Thrombus in a Rat Ischemic Stroke Model. Stroke, 2010, 41, 1271-1277.	2.0	52
147	Targeted probes for cardiovascular MRI. Future Medicinal Chemistry, 2010, 2, 451-470.	2.3	36
148	Effect of peptide-chelate architecture on the metabolic stability of peptide-based MRI contrast agents. New Journal of Chemistry, 2010, 34, 611.	2.8	21
149	Molecular Magnetic Resonance Imaging of Myocardial Perfusion With EP-3600, a Collagen-Specific Contrast Agent. Circulation, 2009, 119, 1768-1775.	1.6	58
150	Influence of molecular parameters and increasing magnetic field strength on relaxivity of gadolinium- and manganese-based T ₁ contrast agents. Contrast Media and Molecular Imaging, 2009, 4, 89-100.	0.8	437
151	Primer on gadolinium chemistry. Journal of Magnetic Resonance Imaging, 2009, 30, 1240-1248.	3.4	335
152	Biodistribution of gadolinium-based contrast agents, including gadolinium deposition. Journal of Magnetic Resonance Imaging, 2009, 30, 1259-1267.	3.4	444
153	Molecular MRI of atherosclerotic plaque with targeted contrast agents. Current Cardiovascular Imaging Reports, 2009, 2, 87-94.	0.6	10
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