Jeff W M Bulte

List of Publications by Year
in descending order

302 papers	26,258 citations	5574 82 h-index	7160 153 g-index
315 all docs	315 docs citations	315 times ranked	19729 citing authors

#	Article	IF	Citations
1	In Vivo MRI Tracking of Tumor Vaccination and Antigen Presentation by Dendritic Cells. Molecular Imaging and Biology, 2022, 24, 198-207.	2.6	11
2	In Vivo Imaging of Implanted Hyaluronic Acid Hydrogel Biodegradation. Methods in Molecular Biology, 2022, 2394, 743-765.	0.9	2
3	In vivo tracking of unlabelled mesenchymal stromal cells by mannose-weighted chemical exchange saturation transfer MRI. Nature Biomedical Engineering, 2022, 6, 658-666.	22.5	18
4	Enzymeâ€mediated intratumoral selfâ€assembly of nanotheranostics for enhanced imaging and tumor therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1786.	6.1	6
5	Clinical magnetic hyperthermia requires integrated magnetic particle imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1779.	6.1	34
6	Opportunities for Molecular Imaging in Multiple Sclerosis Management: Linking Probe to Treatment. Radiology, 2022, 303, 486-497.	7.3	2
7	Surfaceâ€enhanced Raman scattering: An emerging tool for sensing cellular function. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1802.	6.1	12
8	CEST MRI and MALDI imaging reveal metabolic alterations in the cervical lymph nodes of EAE mice. Journal of Neuroinflammation, 2022, 19, .	7.2	1
9	Nonâ€invasive imaging of extracellular vesicles: Quo vaditis in vivo?. Journal of Extracellular Vesicles, 2022, 11, .	12.2	15
10	Furinâ€Mediated Selfâ€Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors. Angewandte Chemie - International Edition, 2021, 60, 3923-3927.	13.8	32
11	Imaging as a tool to accelerate the translation of extracellular vesicleâ€based therapies for central nervous system diseases. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1688.	6.1	4
12	Furinâ€Mediated Selfâ€Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors. Angewandte Chemie, 2021, 133, 3969-3973.	2.0	4
13	Chimeric Antigen Receptor T-cell Immunotherapy Induces Transient Tumor Hyperoxia Instead of Hypoxia. Radiology Imaging Cancer, 2021, 3, e200135.	1.6	0
14	Cell Surveillance Using Magnetic Resonance Imaging. , 2021, , 811-829.		0
15	Highly efficient magnetic labelling allows MRI tracking of the homing of stem cellâ€derived extracellular vesicles following systemic delivery. Journal of Extracellular Vesicles, 2021, 10, e12054.	12.2	43
16	Titelbild: Furinâ€Mediated Selfâ€Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors (Angew. Chem. 8/2021). Angewandte Chemie, 2021, 133, 3869-3869.	2.0	2
17	In Vivo Imaging of Pancreatic Islet Grafts in Diabetes Treatment. Frontiers in Endocrinology, 2021, 12, 640117.	3.5	10
18	The NIH Somatic Cell Genome Editing program. Nature, 2021, 592, 195-204.	27.8	84

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19	Multifunctional Theranostic Graphene Oxide Nanoflakes as MR Imaging Agents with Enhanced Photothermal and Radiosensitizing Properties. ACS Applied Bio Materials, 2021, 4, 4280-4291.	4.6	16
20	In Vivo Imaging of Allografted Glial-Restricted Progenitor Cell Survival and Hydrogel Scaffold Biodegradation. ACS Applied Materials & Interfaces, 2021, 13, 23423-23437.	8.0	5
21	Soft Capsule Magnetic Millirobots for Region-Specific Drug Delivery in the Central Nervous System. Frontiers in Robotics and AI, 2021, 8, 702566.	3.2	10
22	Folate receptor-targeted nanoprobes for molecular imaging of cancer: Friend or foe?. Nano Today, 2021, 39, 101173.	11.9	16
23	Monitoring diffuse injury during disease progression in experimental autoimmune encephalomyelitis with on resonance variable delay multiple pulse (onVDMP) CEST MRI. NeuroImage, 2020, 204, 116245.	4.2	10
24	Evaluation of cell transplant-mediated attenuation of diffuse injury in experimental autoimmune encephalomyelitis using onVDMP CEST MRI. Experimental Neurology, 2020, 329, 113316.	4.1	1
25	Development of Zincâ€Specific iCEST MRI as an Imaging Biomarker for Prostate Cancer. Angewandte Chemie - International Edition, 2019, 58, 15512-15517.	13.8	22
26	Fluorocapsules allow in vivo monitoring of the mechanical stability of encapsulated islet cell transplants. Biomaterials, 2019, 221, 119410.	11.4	10
27	Development of Zincâ€Specific iCEST MRI as an Imaging Biomarker for Prostate Cancer. Angewandte Chemie, 2019, 131, 15658-15663.	2.0	1
28	In Vivo Imaging of Composite Hydrogel Scaffold Degradation Using CEST MRI and Twoâ€Color NIR Imaging. Advanced Functional Materials, 2019, 29, 1903753.	14.9	45
29	InnenrÃ¼cktitelbild: Carbon Dots as a New Class of Diamagnetic Chemical Exchange Saturation Transfer (diaCEST) MRI Contrast Agents (Angew. Chem. 29/2019). Angewandte Chemie, 2019, 131, 10113-10113.	2.0	0
30	CT and CEST MRI bimodal imaging of the intratumoral distribution of iodinated liposomes. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1579-1591.	2.0	24
31	Detecting acid phosphatase enzymatic activity with phenol as a chemical exchange saturation transfer magnetic resonance imaging contrast agent (PhenolCEST MRI). Biosensors and Bioelectronics, 2019, 141, 111442.	10.1	13
32	Carbon Dots as a New Class of Diamagnetic Chemical Exchange Saturation Transfer (diaCEST) MRI Contrast Agents. Angewandte Chemie, 2019, 131, 9976-9980.	2.0	1
33	Carbon Dots as a New Class of Diamagnetic Chemical Exchange Saturation Transfer (diaCEST) MRI Contrast Agents. Angewandte Chemie - International Edition, 2019, 58, 9871-9875.	13.8	45
34	Noninvasive Monitoring of Allogeneic Stem Cell Delivery with Dual-Modality Imaging-Visible Microcapsules in a Rabbit Model of Peripheral Arterial Disease. Stem Cells International, 2019, 2019, 1-10.	2.5	2
35	Detecting Different Cell Populations Using Multispectral 19F MRI. Radiology, 2019, 291, 358-359.	7.3	5
36	Magnetic Manipulation of Blood Conductivity with Superparamagnetic Iron Oxide-Loaded Erythrocytes. ACS Applied Materials & Interfaces, 2019, 11, 11194-11201.	8.0	7

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37	In Vitro Assessment of Fluorine Nanoemulsion-Labeled Hyaluronan-Based Hydrogels for Precise Intrathecal Transplantation of Glial-Restricted Precursors. Molecular Imaging and Biology, 2019, 21, 1071-1078.	2.6	9
38	Magnetically Aligned Nanorods in Alginate Capsules (MANiACs): Soft Matter Tumbling Robots for Manipulation and Drug Delivery. Micromachines, 2019, 10, 230.	2.9	19
39	Biodistribution of Glial Progenitors in a Three Dimensional-Printed Model of the Piglet Cerebral Ventricular System. Stem Cells and Development, 2019, 28, 515-527.	2.1	1
40	Development of a Staphylococcus aureus reporter strain with click beetle red luciferase for enhanced in vivo imaging of experimental bacteremiaÂand mixed infections. Scientific Reports, 2019, 9, 16663.	3.3	25
41	Furin-mediated intracellular self-assembly of olsalazine nanoparticles for enhanced magnetic resonance imaging and tumour therapy. Nature Materials, 2019, 18, 1376-1383.	27.5	164
42	Superparamagnetic iron oxides as MPI tracers: A primer and review of early applications. Advanced Drug Delivery Reviews, 2019, 138, 293-301.	13.7	136
43	Perfluorocarbon Labeling of Human Glial-Restricted Progenitors for 19F Magnetic Resonance Imaging. Stem Cells Translational Medicine, 2019, 8, 355-365.	3.3	11
44	Gas vesicles as collapsible MRI contrast agents. Nature Materials, 2018, 17, 386-387.	27.5	6
45	Migratory potential of transplanted glial progenitors as critical factor for successful translation of glia replacement therapy: The gap between mice and men. Glia, 2018, 66, 907-919.	4.9	9
46	Overexpression of VLA-4 in glial-restricted precursors enhances their endothelial docking and induces diapedesis in a mouse stroke model. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 835-846.	4.3	24
47	Quantification and tracking of genetically engineered dendritic cells for studying immunotherapy. Magnetic Resonance in Medicine, 2018, 79, 1010-1019.	3.0	17
48	Sphingolipids and microRNA Changes in Blood following Blast Traumatic Brain Injury: An Exploratory Study. Journal of Neurotrauma, 2018, 35, 353-361.	3.4	25
49	Two decades of dendrimers as versatile <scp>MRI</scp> agents: a tale with and without metals. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1496.	6.1	42
50	Characterization of tumor vascular permeability using natural dextrans and CEST MRI. Magnetic Resonance in Medicine, 2018, 79, 1001-1009.	3.0	33
51	Real-Time MRI Guidance for Reproducible Hyperosmolar Opening of the Blood-Brain Barrier in Mice. Frontiers in Neurology, 2018, 9, 921.	2.4	28
52	Oral Administration of Salecan-Based Hydrogels for Controlled Insulin Delivery. Journal of Agricultural and Food Chemistry, 2018, 66, 10479-10489.	5.2	111
53	Clinical Tracking of Cell Transfer and Cell Transplantation: Trials and Tribulations. Radiology, 2018, 289, 604-615.	7.3	87
54	Molecular Imaging of CXCL12 Promoter-driven HSV1-TK Reporter Gene Expression. Biotechnology and Bioprocess Engineering, 2018, 23, 208-217.	2.6	6

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55	Serial in vivo imaging of transplanted allogeneic neural stem cell survival in a mouse model of amyotrophic lateral sclerosis. Experimental Neurology, 2017, 289, 96-102.	4.1	11
56	Transplanted human glial-restricted progenitors can rescue the survival of dysmyelinated mice independent of the production of mature, compact myelin. Experimental Neurology, 2017, 291, 74-86.	4.1	35
57	Recent progress in the use and tracking of transplanted islets as a personalized treatment for type 1 diabetes. Expert Review of Precision Medicine and Drug Development, 2017, 2, 57-67.	0.7	9
58	Molecular Considerations in Cell Transplant Imaging. Molecular and Translational Medicine, 2017, , 1-17.	0.4	0
59	Science to Practice: Can MR Imaging Cell Tracking of Macrophage Infiltration Be Used as a Predictive Imaging Biomarker for Transplanted Stem Cell Rejection?. Radiology, 2017, 284, 307-309.	7.3	4
60	Transplanted adipose-derived stem cells can be short-lived yet accelerate healing of acid-burn skin wounds: a multimodal imaging study. Scientific Reports, 2017, 7, 4644.	3.3	38
61	Noninvasive Tracking of Alginate-Microencapsulated Cells. Methods in Molecular Biology, 2017, 1479, 143-155.	0.9	6
62	In Vivo19F MR Imaging Cell Tracking of Inflammatory Macrophages and Site-specific Development of Colitis-associated Dysplasia. Radiology, 2017, 282, 194-201.	7.3	30
63	In Vivo Micro-CT Imaging of Human Mesenchymal Stem Cells Labeled with Gold-Poly-<scp>l</scp>-Lysine Nanocomplexes. Advanced Functional Materials, 2017, 27, 1604213.	14.9	95
64	Real-time MRI for precise and predictable intra-arterial stem cell delivery to the central nervous system. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2346-2358.	4.3	63
65	Cell Tracking and Transplant Imaging. , 2017, , 593-603.		1
66	An immunocompetent mouse model of human glioblastoma. Oncotarget, 2017, 8, 61072-61082.	1.8	30
67	Label-free CEST MRI Detection of Citicoline-Liposome Drug Delivery in Ischemic Stroke. Theranostics, 2016, 6, 1588-1600.	10.0	74
68	Salicylic acid analogues as chemical exchange saturation transfer MRI contrast agents for the assessment of brain perfusion territory and bloodâ€“brain barrier opening after intra-arterial infusion. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1186-1194.	4.3	24
69	Imaging the DNA Alkylator Melphalan by CEST MRI: An Advanced Approach to Theranostics. Molecular Pharmaceutics, 2016, 13, 3043-3053.	4.6	20
70	Magnetoencapsulated human islets xenotransplanted into swine: a comparison of different transplantation sites. Xenotransplantation, 2016, 23, 211-221.	2.8	22
71	Accelerating stem cell trials for Alzheimer's disease. Lancet Neurology, The, 2016, 15, 219-230.	10.2	76
72	Co-transplantation of syngeneic mesenchymal stem cells improves survival of allogeneic glial-restricted precursors in mouse brain. Experimental Neurology, 2016, 275, 154-161.	4.1	17

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73	Co-Registration of Bioluminescence Tomography, Computed Tomography, and Magnetic Resonance Imaging for Multimodal In Vivo Stem Cell Tracking. Tomography, 2016, 2, 158-165.	1.8	22
74	Concise Review: Using Stem Cells to Prevent the Progression of Myopiaâ€"A Concept. Stem Cells, 2015, 33, 2104-2113.	3.2	23
75	Fluorine-19 Labeling of Stromal Vascular Fraction Cells for Clinical Imaging Applications. Stem Cells Translational Medicine, 2015, 4, 1472-1481.	3.3	37
76	Tumorâ€specific expression and detection of a CEST reporter gene. Magnetic Resonance in Medicine, 2015, 74, 544-549.	3.0	44
77	Multiâ€echo Length and Offset VARied Saturation (MeLOVARS) method for improved CEST imaging. Magnetic Resonance in Medicine, 2015, 73, 488-496.	3.0	27
78	Pre- and postmortem imaging of transplanted cells. International Journal of Nanomedicine, 2015, 10, 5543.	6.7	11
79	Quantitative â€œHot-Spotâ€•Imaging of Transplanted Stem Cells Using Superparamagnetic Tracers and Magnetic Particle Imaging. Tomography, 2015, 1, 91-97.	1.8	115
80	Science to Practice: Can MR Relaxation and Diffusion Measurements Be Used to Detect in Vivo Differentiation of Transplanted Muscle Precursor Cells?. Radiology, 2015, 274, 629-631.	7.3	0
81	Advances in using MRI probes and sensors for in vivo cell tracking as applied to regenerative medicine. DMM Disease Models and Mechanisms, 2015, 8, 323-336.	2.4	77
82	MRI/SPECT/Fluorescent Triâ€Modal Probe for Evaluating the Homing and Therapeutic Efficacy of Transplanted Mesenchymal Stem Cells in a Rat Ischemic Stroke Model. Advanced Functional Materials, 2015, 25, 1024-1034.	14.9	102
83	Single ¹⁹F Probe for Simultaneous Detection of Multiple Metal Ions Using miCEST MRI. Journal of the American Chemical Society, 2015, 137, 78-81.	13.7	70
84	Label-free imaging of gelatin-containing hydrogel scaffolds. Biomaterials, 2015, 42, 144-150.	11.4	64
85	Science to Practice: Can Decreased Lymph Node MR Imaging Signal Intensity Be Used as a Biomarker for the Efficacy of Cancer Vaccination?. Radiology, 2015, 274, 1-3.	7.3	5
86	Stem Cells: MRI/SPECT/Fluorescent Tri-Modal Probe for Evaluating the Homing and Therapeutic Efficacy of Transplanted Mesenchymal Stem Cells in a Rat Ischemic Stroke Model (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	14.9	0
87	Paradoxical Decrease in the Capture and Lymph Node Delivery of Cancer Vaccine Antigen Induced by a TLR4 Agonist as Visualized by Dual-Mode Imaging. Cancer Research, 2015, 75, 51-61.	0.9	11
88	Label-free in vivo molecular imaging of underglycosylated mucin-1 expression in tumour cells. Nature Communications, 2015, 6, 6719.	12.8	62
89	Molecular Engineering of Nonmetallic Biosensors for CEST MRI. ACS Chemical Biology, 2015, 10, 1160-1170.	3.4	39
90	Supercharged green fluorescent proteins as bimodal reporter genes for CEST MRI and optical imaging. Chemical Communications, 2015, 51, 4869-4871.	4.1	40

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91	Biophysical Characterization of Human Protamine-1 as a Responsive CEST MR Contrast Agent. ACS Macro Letters, 2015, 4, 34-38.	4.8	19
92	Long-Term MRI Cell Tracking after Intraventricular Delivery in a Patient with Global Cerebral Ischemia and Prospects for Magnetic Navigation of Stem Cells within the CSF. PLoS ONE, 2014, 9, e97631.	2.5	55
93	Fused X-ray and MR Imaging Guidance of Intrapericardial Delivery of Microencapsulated Human Mesenchymal Stem Cells in Immunocompetent Swine. Radiology, 2014, 272, 427-437.	7.3	15
94	Non-invasive temperature mapping using temperature-responsive water saturation shift referencing (T-WASSR) MRI. NMR in Biomedicine, 2014, 27, 320-331.	2.8	33
95	19F spinâ€“lattice relaxation of perfluoropolyethers: Dependence on temperature and magnetic field strength (7.0â€“14.1T). Journal of Magnetic Resonance, 2014, 242, 18-22.	2.1	37
96	MR cholangiography demonstrates unsuspected rapid biliary clearance of nanoparticles in rodents: Implications for clinical translation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1385-1388.	3.3	23
97	A diaCEST MRI approach for monitoring liposomal accumulation in tumors. Journal of Controlled Release, 2014, 180, 51-59.	9.9	52
98	Seeing Stem Cells at Work In Vivo. Stem Cell Reviews and Reports, 2014, 10, 127-144.	5.6	79
99	Diamagnetic chemical exchange saturation transfer (<scp>diaCEST</scp>) liposomes: physicochemical properties and imaging applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 111-124.	6.1	36
100	Human Protamine-1 as an MRI Reporter Gene Based on Chemical Exchange. ACS Chemical Biology, 2014, 9, 134-138.	3.4	64
101	Science to Practice: Highly Shifted Proton MR Imagingâ€”A Shift toward Better Cell Tracking?. Radiology, 2014, 272, 615-617.	7.3	4
102	Magnetization transfer contrast MRI for non-invasive assessment of innate and adaptive immune responses against alginate-encapsulated cells. Biomaterials, 2014, 35, 7811-7818.	11.4	16
103	Cell motility of neural stem cells is reduced after SPIOâ€labeling, which is mitigated after exocytosis. Magnetic Resonance in Medicine, 2013, 69, 255-262.	3.0	89
104	NOrmalized MAgnetization Ratio (NOMAR) filtering for creation of tissue selective contrast maps. Magnetic Resonance in Medicine, 2013, 69, 516-523.	3.0	16
105	Metal Ion Sensing Using Ion Chemical Exchange Saturation Transfer ¹⁹F Magnetic Resonance Imaging. Journal of the American Chemical Society, 2013, 135, 12164-12167.	13.7	67
106	The survival of engrafted neural stem cells within hyaluronic acid hydrogels. Biomaterials, 2013, 34, 5521-5529.	11.4	125
107	Tracking immune cells in vivo using magnetic resonance imaging. Nature Reviews Immunology, 2013, 13, 755-763.	22.7	399
108	Microencapsulated cell tracking. NMR in Biomedicine, 2013, 26, 850-859.	2.8	34

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109	Neural progenitor cell survival in mouse brain can be improved by co-transplantation of helper cells expressing bFGF under doxycycline control. Experimental Neurology, 2013, 247, 73-79.	4.1	26
110	MRI-detectable pH nanosensors incorporated intoÂhydrogels for inÂvivo sensing of transplanted-cell viability. Nature Materials, 2013, 12, 268-275.	27.5	189
111	Biotargeted nanomedicines for cancer: six tenets before you begin. Nanomedicine, 2013, 8, 299-308.	3.3	47
112	Transforming Thymidine into a Magnetic Resonance Imaging Probe for Monitoring Gene Expression. Journal of the American Chemical Society, 2013, 135, 1617-1624.	13.7	80
113	Science to Practice: Can Stem Cells Be Labeled Inside the Body Instead of Outside?. Radiology, 2013, 269, 1-3.	7.3	15
114	Cell Size and Velocity of Injection are Major Determinants of the Safety of Intracarotid Stem Cell Transplantation. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 921-927.	4.3	130
115	Synthesis of a probe for monitoring HSV1-tk reporter gene expression using chemical exchange saturation transfer MRI. Nature Protocols, 2013, 8, 2380-2391.	12.0	47
116	Noninvasive imaging of infection after treatment with tumorâ€homing bacteria using Chemical Exchange Saturation Transfer (CEST) MRI. Magnetic Resonance in Medicine, 2013, 70, 1690-1698.	3.0	39
117	MR Monitoring of Minimally Invasive Delivery of Mesenchymal Stem Cells into the Porcine Intervertebral Disc. PLoS ONE, 2013, 8, e74658.	2.5	30
118	Using C-Arm X-Ray Imaging to Guide Local Reporter Probe Delivery for Tracking Stem Cell Engraftment. Theranostics, 2013, 3, 916-926.	10.0	10
119	Cell Labeling Methods for Noninvasive MR Imaging of Stem Cells. , 2013, , 65-74.		0
120	In Vivo Imaging of MSCs. , 2013, , 389-402.		0
121	The Magnetic Appeal of Silencing Theranostics. Diabetes, 2012, 61, 3068-3069.	0.6	3
122	Science to Practice: Can Macrophage Infiltration Serve as a Surrogate Marker for Stem Cell Viability?. Radiology, 2012, 264, 619-620.	7.3	6
123	Use of MR Cell Tracking to Evaluate Targeting of Glial Precursor Cells to Inflammatory Tissue by Exploiting the Very Late Antigen-4 Docking Receptor. Radiology, 2012, 265, 175-185.	7.3	52
124	Immunomodulation by Transplanted Human Embryonic Stem Cellâ€Derived Oligodendroglial Progenitors in Experimental Autoimmune Encephalomyelitis. Stem Cells, 2012, 30, 2820-2829.	3.2	38
125	Neonatal desensitization does not universally prevent xenograft rejection. Nature Methods, 2012, 9, 856-858.	19.0	19
126	In Vivo Tracking Techniques for Cellular Regeneration, Replacement, and Redirection. Journal of Nuclear Medicine, 2012, 53, 1825-1828.	5.0	19

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127	Use of Magnetocapsules for in Vivo Visualization and Enhanced Survival of Xenogeneic HepG2 Cell Transplants. Cell Medicine, 2012, 4, 77-84.	5.0	16
128	Noninvasive Monitoring of Immunosuppressive Drug Efficacy to Prevent Rejection of Intracerebral Glial Precursor Allografts. Cell Transplantation, 2012, 21, 2149-2157.	2.5	15
129	MRI biosensor for protein kinase A encoded by a single synthetic gene. Magnetic Resonance in Medicine, 2012, 68, 1919-1923.	3.0	55
130	Natural <scp>D</scp>â€glucose as a biodegradable MRI contrast agent for detecting cancer. Magnetic Resonance in Medicine, 2012, 68, 1764-1773.	3.0	295
131	Personalized nanomedicine advancements for stem cell tracking. Advanced Drug Delivery Reviews, 2012, 64, 1488-1507.	13.7	70
132	X-Ray-Visible Microcapsules Containing Mesenchymal Stem Cells Improve Hind Limb Perfusion in a Rabbit Model of Peripheral Arterial Disease. Stem Cells, 2012, 30, 1286-1296.	3.2	31
133	Comparison of red-shifted firefly luciferase Ppy RE9 and conventional Luc2 as bioluminescence imaging reporter genes for <italic>in vivo</italic> imaging of stem cells. Journal of Biomedical Optics, 2012, 17, 016004.	2.6	47
134	In vivo multicolor molecular MR imaging using diamagnetic chemical exchange saturation transfer liposomes. Magnetic Resonance in Medicine, 2012, 67, 1106-1113.	3.0	104
135	CEST phase mapping using a length and offset varied saturation (LOVARS) scheme. Magnetic Resonance in Medicine, 2012, 68, 1074-1086.	3.0	51
136	ICVâ€transplanted human glial precursor cells are shortâ€lived yet exert immunomodulatory effects in mice with EAE. Glia, 2012, 60, 1117-1129.	4.9	29
137	Microcapsules with intrinsic barium radiopacity for immunoprotection and X-ray/CT imaging of pancreatic islet cells. Biomaterials, 2012, 33, 4681-4689.	11.4	42
138	Automated detection and characterization of SPIOâ€labeled cells and capsules using magnetic field perturbations. Magnetic Resonance in Medicine, 2012, 67, 278-289.	3.0	30
139	Emerging Interventional MR Applications. , 2012, , 395-401.		0
140	Synthesis of magnetic resonanceâ€“, X-rayâ€“ and ultrasound-visible alginate microcapsules for immunoisolation and noninvasive imaging of cellular therapeutics. Nature Protocols, 2011, 6, 1142-1151.	12.0	77
141	MR-guided Portal Vein Delivery and Monitoring of Magnetocapsules: Assessment of Physiologic Effects on the Liver. Journal of Vascular and Interventional Radiology, 2011, 22, 1335-1340.	0.5	22
142	Monitoring Enzyme Activity Using a Diamagnetic Chemical Exchange Saturation Transfer Magnetic Resonance Imaging Contrast Agent. Journal of the American Chemical Society, 2011, 133, 16326-16329.	13.7	83
143	MR Imaging of Transplanted Stem Cells in Myocardial Infarction. Methods in Molecular Biology, 2011, 680, 141-152.	0.9	24
144	Mesoporous Silica-Coated Hollow Manganese Oxide Nanoparticles as Positive T₁ Contrast Agents for Labeling and MRI Tracking of Adipose-Derived Mesenchymal Stem Cells. Journal of the American Chemical Society, 2011, 133, 2955-2961.	13.7	491

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145	Multimodal imaging of sustained drug release from 3-D poly(propylene fumarate) (PPF) scaffolds. Journal of Controlled Release, 2011, 156, 239-245.	9.9	58
146	Tracking stem cells using magnetic nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 343-355.	6.1	224
147	Longâ€term MR cell tracking of neural stem cells grafted in immunocompetent versus immunodeficient mice reveals distinct differences in contrast between live and dead cells. Magnetic Resonance in Medicine, 2011, 65, 564-574.	3.0	105
148	Neural precursors exhibit distinctly different patterns of cell migration upon transplantation during either the acute or chronic phase of EAE: A serial MR imaging study. Magnetic Resonance in Medicine, 2011, 65, 1738-1749.	3.0	28
149	Fluorine (¹⁹F) MRS and MRI in biomedicine. NMR in Biomedicine, 2011, 24, 114-129.	2.8	429
150	Human glial-restricted progenitors survive, proliferate, and preserve electrophysiological function in rats with focal inflammatory spinal cord demyelination. Glia, 2011, 59, 499-510.	4.9	59
151	Use of perfluorocarbon nanoparticles for nonâ€invasive multimodal cell tracking of human pancreatic islets. Contrast Media and Molecular Imaging, 2011, 6, 251-259.	0.8	83
152	Imaging of pancreatic islet cells. Diabetes/Metabolism Research and Reviews, 2011, 27, 761-766.	4.0	44
153	Multifunctional Capsuleâ€inâ€Capsules for Immunoprotection and Trimodal Imaging. Angewandte Chemie - International Edition, 2011, 50, 2317-2321.	13.8	77
154	Cover Picture: Multifunctional Capsule-in-Capsules for Immunoprotection and Trimodal Imaging (Angew. Chem. Int. Ed. 10/2011). Angewandte Chemie - International Edition, 2011, 50, 2189-2189.	13.8	0
155	Science to Practice: Can Theranostic Fullerenes Be Used to Treat Brain Tumors?. Radiology, 2011, 261, 1-2.	7.3	8
156	Fluorocapsules for Improved Function, Immunoprotection, and Visualization of Cellular Therapeutics with MR, US, and CT Imaging. Radiology, 2011, 258, 182-191.	7.3	100
157	MPI cell tracking: what can we learn from MRI?. Proceedings of SPIE, 2011, 7965, 79650z.	0.8	29
158	Trimodal Gadolinium-Gold Microcapsules Containing Pancreatic Islet Cells Restore Normoglycemia in Diabetic Mice and Can Be Tracked by Using US, CT, and Positive-Contrast MR Imaging. Radiology, 2011, 260, 790-798.	7.3	124
159	From Molecules to Man: The Dawn of a Vitreous Man. Methods in Molecular Biology, 2011, 711, 3-14.	0.9	2
160	CEST MRI Reporter Genes. Methods in Molecular Biology, 2011, 711, 271-280.	0.9	12
161	MRI of Transplanted Neural Stem Cells. Methods in Molecular Biology, 2011, 711, 435-449.	0.9	14
162	Conserved fate and function of ferumoxidesâ€labeled neural precursor cells in vitro and in vivo. Journal of Neuroscience Research, 2010, 88, 936-944.	2.9	45

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163	Imaging of cellular therapies. Advanced Drug Delivery Reviews, 2010, 62, 1080-1093.	13.7	126
164	Evoked potential and behavioral outcomes for experimental autoimmune encephalomyelitis in Lewis rats. Neurological Sciences, 2010, 31, 595-601.	1.9	65
165	Optimization of magnetosonoporation for stem cell labeling. NMR in Biomedicine, 2010, 23, 480-484.	2.8	14
166	Highâ€throughput screening of chemical exchange saturation transfer MR contrast agents. Contrast Media and Molecular Imaging, 2010, 5, 162-170.	0.8	103
167	Gene expression profiling reveals early cellular responses to intracellular magnetic labeling with superparamagnetic iron oxide nanoparticles. Magnetic Resonance in Medicine, 2010, 63, 1031-1043.	3.0	99
168	Magnetosonoporation: Instant magnetic labeling of stem cells. Magnetic Resonance in Medicine, 2010, 63, 1437-1441.	3.0	23
169	Magnetic Resonance Imaging of Monocytes Labeled with Ultrasmall Superparamagnetic Particles of Iron Oxide Using Magnetoelectroporation in an Animal Model of Multiple Sclerosis. Molecular Imaging, 2010, 9, 7290.2010.00016.	1.4	24
170	Safety and Immunological Effects of Mesenchymal Stem Cell Transplantation in Patients With Multiple Sclerosis and Amyotrophic Lateral Sclerosis. Archives of Neurology, 2010, 67, 1187-94.	4.5	806
171	Design of Targeted Cardiovascular Molecular Imaging Probes. Journal of Nuclear Medicine, 2010, 51, 3S-17S.	5.0	35
172	Magnetic Nanoparticles and Neurotoxins for Treating Atrial Fibrillation. Circulation, 2010, 122, 2642-2644.	1.6	1
173	Science to Practice: Can CT Be Performed for Multicolor Molecular Imaging?. Radiology, 2010, 256, 675-676.	7.3	16
174	Effects of Supermagnetic Iron Oxide Labeling on the Major Functional Properties of Human Mesenchymal Stem Cells from Multiple Sclerosis Patients. International Journal of Stem Cells, 2010, 3, 144-153.	1.8	11
175	Magnetic resonance imaging of monocytes labeled with ultrasmall superparamagnetic particles of iron oxide using magnetoelectroporation in an animal model of multiple sclerosis. Molecular Imaging, 2010, 9, 268-77.	1.4	12
176	In Vivo MRI Cell Tracking: Clinical Studies. American Journal of Roentgenology, 2009, 193, 314-325.	2.2	388
177	In Vivo Imaging of Stem Cells and Beta Cells Using Direct Cell Labeling and Reporter Gene Methods. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1025-1030.	2.4	38
178	Feasibility of concurrent dual contrast enhancement using CEST contrast agents and superparamagnetic iron oxide particles. Magnetic Resonance in Medicine, 2009, 61, 970-974.	3.0	33
179	Direct saturation MRI: Theory and application to imaging brain iron. Magnetic Resonance in Medicine, 2009, 62, 384-393.	3.0	42
180	Magnetic resonance imaging of cells in experimental disease models. Progress in Nuclear Magnetic Resonance Spectroscopy, 2009, 55, 61-77.	7.5	42

#	Article	IF	Citations
181	In vivotracking of cellular therapeutics using magnetic resonance imaging. Expert Opinion on Biological Therapy, 2009, 9, 293-306.	3.1	65
182	Magnetovaccination as a Novel Method to Assess and Quantify Dendritic Cell Tumor Antigen Capture and Delivery to Lymph Nodes. Cancer Research, 2009, 69, 3180-3187.	0.9	83
183	Effect of MOG sensitization on somatosensory evoked potential in Lewis rats. Journal of the Neurological Sciences, 2009, 284, 81-89.	0.6	71
184	Shape analysis of Somatosensory Evoked Potentials to detect a focal spinal cord lesion. , 2009, , .		4
185	Imaging of stem cells using MRI. Basic Research in Cardiology, 2008, 103, 105-113.	5.9	97
186	MR tracking of transplanted cells with â€œpositive contrastâ€•using manganese oxide nanoparticles. Magnetic Resonance in Medicine, 2008, 60, 1-7.	3.0	164
187	New â€œmulticolorâ€•polypeptide diamagnetic chemical exchange saturation transfer (DIACEST) contrast agents for MRI. Magnetic Resonance in Medicine, 2008, 60, 803-812.	3.0	188
188	In vivo â€œhot spotâ€•MR imaging of neural stem cells using fluorinated nanoparticles. Magnetic Resonance in Medicine, 2008, 60, 1506-1511.	3.0	143
189	Special Cells, Special Considerations: The Challenges of Bringing Embryonic Stem Cells From the Laboratory to the Clinic. Clinical Pharmacology and Therapeutics, 2008, 83, 386-389.	4.7	12
190	Noninvasive Detection of Macrophage-Rich Atherosclerotic Plaque in Hyperlipidemic Rabbits Using â€œPositive Contrastâ€•Magnetic Resonance Imaging. Journal of the American College of Cardiology, 2008, 52, 483-491.	2.8	111
191	Comment on "Magnetic Resonance Spectroscopy Identifies Neural Progenitor Cells in the Live Human Brain". Science, 2008, 321, 640-640.	12.6	26
192	Dual-Modality Monitoring of Targeted Intraarterial Delivery of Mesenchymal Stem Cells After Transient Ischemia. Stroke, 2008, 39, 1569-1574.	2.0	371
193	Introduction: The Emergence of Nanoparticles as Imaging Platform in Biomedicine. , 2008, , 1-5.		3
194	MRI Reporter Genes. Journal of Nuclear Medicine, 2008, 49, 1905-1908.	5.0	109
195	Multimodality Evaluation of the Viability of Stem Cells Delivered Into Different Zones of Myocardial Infarction. Circulation: Cardiovascular Imaging, 2008, 1, 6-13.	2.6	31
196	Size-Induced Enhancement of Chemical Exchange Saturation Transfer (CEST) Contrast in Liposomes. Journal of the American Chemical Society, 2008, 130, 5178-5184.	13.7	61
197	The Role of Noninvasive Cellular Imaging in Developing Cell-Based Therapies for Neurodegenerative Disorders. Neurodegenerative Diseases, 2007, 4, 306-313.	1.4	40
198	MRI of intravenously injected bone marrow cells homing to the site of injured arteries. NMR in Biomedicine, 2007, 20, 673-681.	2.8	17

#	Article	IF	Citations
199	Developing MR reporter genes: promises and pitfalls. NMR in Biomedicine, 2007, 20, 275-290.	2.8	196
200	Dual-modalityin vivo monitoring of subventricular zone stem cell migration and metabolism. Contrast Media and Molecular Imaging, 2007, 2, 130-138.	0.8	22
201	Serial in vivo MR tracking of magnetically labeled neural spheres transplanted in chronic EAE mice. Magnetic Resonance in Medicine, 2007, 57, 164-171.	3.0	89
202	Applicability and limitations of MR tracking of neural stem cells with asymmetric cell division and rapid turnover: The case of the Shiverer dysmyelinated mouse brain. Magnetic Resonance in Medicine, 2007, 58, 261-269.	3.0	160
203	Positive contrast visualization of iron oxideâ€labeled stem cells using inversionâ€recovery with ONâ€resonant water suppression (IRON). Magnetic Resonance in Medicine, 2007, 58, 1072-1077.	3.0	215
204	In vivo MR imaging of bone marrow cells trafficking to atherosclerotic plaques. Journal of Magnetic Resonance Imaging, 2007, 26, 339-343.	3.4	19
205	Artificial reporter gene providing MRI contrast based on proton exchange. Nature Biotechnology, 2007, 25, 217-219.	17.5	379
206	Magnetic resonanceâ€“guided, real-time targeted delivery and imaging of magnetocapsules immunoprotecting pancreatic islet cells. Nature Medicine, 2007, 13, 986-991.	30.7	220
207	Physical Mechanism and Applications of CEST Contrast Agents. , 2007, , 85-100.		2
208	Cellular Imaging of Cell Transplants. , 2007, , 359-371.		0
209	Noninvasive MRI of Endothelial Cell Response to Human Breast Cancer Cells. Neoplasia, 2006, 8, 207-213.	5.3	14
210	Radiopaque Alginate Microcapsules for X-ray Visualization and Immunoprotection of Cellular Therapeutics. Molecular Pharmaceutics, 2006, 3, 531-538.	4.6	91
211	MR imaging of lineage-restricted neural precursors following transplantation into the adult spinal cord. Experimental Neurology, 2006, 201, 49-59.	4.1	76
212	Magnetic Resonance Imaging of Ferumoxide-Labeled Mesenchymal Stem Cells Seeded on Collagen Scaffoldsâ€”Relevance to Tissue Engineering. Tissue Engineering, 2006, 12, 2765-2775.	4.6	77
213	MR Evaluation of the Glomerular Homing of Magnetically Labeled Mesenchymal Stem Cells in a Rat Model of Nephropathy. Radiology, 2006, 238, 200-210.	7.3	133
214	Magnetoelectroporation: improved labeling of neural stem cells and leukocytes for cellular magnetic resonance imaging using a single FDA-approved agent. Nanomedicine: Nanotechnology, Biology, and Medicine, 2006, 2, 89-94.	3.3	81
215	CMR 2005: 9.03: Novel magnetic resonance contrast mechanism for combined tracking of the delivery of mesenchymal stem cells and interventional devices. Contrast Media and Molecular Imaging, 2006, 1, 76-77.	0.8	0
216	Sensitivity of magnetic resonance imaging of dendritic cells for in vivo tracking of cellular cancer vaccines. International Journal of Cancer, 2006, 120, 978-984.	5.1	82

#	Article	IF	Citations
217	Dual in vivo magnetic resonance evaluation of magnetically labeled mouse embryonic stem cells and cardiac function at 1.5 t. Magnetic Resonance in Medicine, 2006, 55, 203-209.	3.0	106
218	Quantifying exchange rates in chemical exchange saturation transfer agents using the saturation time and saturation power dependencies of the magnetization transfer effect on the magnetic resonance imaging signal (QUEST and QUESP): Ph calibration for poly-L-lysine and a starburst dendrimer. Magnetic Resonance in Medicine, 2006, 55, 836-847.	3.0	288
219	Stem cell profiling by nuclear magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 2006, 56, 666-670.	3.0	44
220	Brain engraftment and therapeutic potential of stem/progenitor cells derived from mouse skin. Journal of Gene Medicine, 2006, 8, 506-513.	2.8	20
221	Structure-Specific Patterns of Neural Stem Cell Engraftment After Transplantation in the Adult Mouse Brain. Human Gene Therapy, 2006, 17, 693-704.	2.7	41
222	Intracellular Endosomal Magnetic Labeling of Cells. , 2006, 124, 419-439.		30
223	MR Imaging and the Development of Stem Cell-Based Therapies. , 2006, , 511-533.		0
224	Structure-Specific Patterns of Neural Stem Cell Engraftment After Transplantation in the Adult Mouse Brain. Human Gene Therapy, 2006, .	2.7	0
225	Magnetic Resonance Imaging of Ferumoxide-Labeled Mesenchymal Stem Cells Seeded on Collagen Scaffolds?Relevance to Tissue Engineering. Tissue Engineering, 2006, .	4.6	0
226	Hot spot MRI emerges from the background. Nature Biotechnology, 2005, 23, 945-946.	17.5	130
227	Magnetic resonance tracking of dendritic cells in melanoma patients for monitoring of cellular therapy. Nature Biotechnology, 2005, 23, 1407-1413.	17.5	791
228	Paramagnetic viral nanoparticles as potential high-relaxivity magnetic resonance contrast agents. Magnetic Resonance in Medicine, 2005, 54, 807-812.	3.0	198
229	Instant MR labeling of stem cells using magnetoelectroporation. Magnetic Resonance in Medicine, 2005, 54, 769-774.	3.0	212
230	Magnetic nanoparticles as markers for cellular MR imaging. Journal of Magnetism and Magnetic Materials, 2005, 289, 423-427.	2.3	39
231	Cellular MR Imaging. Molecular Imaging, 2005, 4, 153535002005051.	1.4	260
232	Stem Cell Therapy for Myelin Diseases. Current Drug Targets, 2005, 6, 3-19.	2.1	28
233	Dynamic Imaging of Allogeneic Mesenchymal Stem Cells Trafficking to Myocardial Infarction. Circulation, 2005, 112, 1451-1461.	1.6	561
234	In vivo and ex vivo MRI detection of localized and disseminated neural stem cell grafts in the mouse brain. NeuroImage, 2005, 26, 744-754.	4.2	88

#	Article	IF	Citations
235	Feridex-Labeled Mesenchymal Stem Cells: Cellular Differentiation and MR Assessment in a Canine Myocardial Infarction Model. Academic Radiology, 2005, 12, S2-S6.	2.5	33
236	Cardiac arrest induces vascular endothelial leakage in the brain stem. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S255-S255.	4.3	0
237	MR cellular imaging of magnetically labeled neural stem cells in a dysmyelinated mouse brain model. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S510-S510.	4.3	0
238	Cellular MR imaging. Molecular Imaging, 2005, 4, 143-64.	1.4	98
239	Magnetic Resonance Imaging of Cell Surface Receptors Using Targeted Contrast Agents. Current Pharmaceutical Biotechnology, 2004, 5, 485-494.	1.6	64
240	In Vivo MR Imaging of Intravascularly Injected Magnetically Labeled Mesenchymal Stem Cells in Rat Kidney and Liver. Radiology, 2004, 233, 781-789.	7.3	232
241	Noninvasive monitoring of stem cell transfer for muscle disorders. Magnetic Resonance in Medicine, 2004, 51, 273-277.	3.0	58
242	MR-trackable intramyocardial injection catheter. Magnetic Resonance in Medicine, 2004, 51, 1163-1172.	3.0	84
243	Iron oxide MR contrast agents for molecular and cellular imaging. NMR in Biomedicine, 2004, 17, 484-499.	2.8	1,404
244	Feridex labeling of mesenchymal stem cells inhibits chondrogenesis but not adipogenesis or osteogenesis. NMR in Biomedicine, 2004, 17, 513-517.	2.8	413
245	Preparation of Magnetically Labeled Cells for Cell Tracking by Magnetic Resonance Imaging. Methods in Enzymology, 2004, 386, 275-299.	1.0	164
246	In vivo magnetic resonance tracking of olfactory ensheathing glia grafted into the rat spinal cord. Experimental Neurology, 2004, 187, 509-516.	4.1	88
247	Chondrogenic differentiation of mesenchymal stem cells is inhibited after magnetic labeling with ferumoxides. Blood, 2004, 104, 3410-3413.	1.4	147
248	Monitoring Cell Therapy Using Iron Oxide MR Contrast Agents. Current Pharmaceutical Biotechnology, 2004, 5, 567-584.	1.6	169
249	In Vivo Magnetic Resonance Imaging of Mesenchymal Stem Cells in Myocardial Infarction. Circulation, 2003, 107, 2290-2293.	1.6	696
250	Clinically Applicable Labeling of Mammalian and Stem Cells by Combining Superparamagnetic Iron Oxides and Transfection Agents. Radiology, 2003, 228, 480-487.	7.3	650
251	Sensitive CEST agents based on nucleic acid imino proton exchange: Detection of poly(rU) and of a dendrimer-poly(rU) model for nucleic acid delivery and pharmacology. Magnetic Resonance in Medicine, 2003, 49, 998-1005.	3.0	117
252	MR microscopy of magnetically labeled neurospheres transplanted into the Lewis EAE rat brain. Magnetic Resonance in Medicine, 2003, 50, 201-205.	3.0	140

#	Article	IF	Citations
253	Improved molecular imaging contrast agent for detection of human thrombus. Magnetic Resonance in Medicine, 2003, 50, 411-416.	3.0	195
254	Combination of transfection agents and magnetic resonance contrast agents for cellular imaging: Relationship between relaxivities, electrostatic forces, and chemical composition. Magnetic Resonance in Medicine, 2003, 50, 275-282.	3.0	128
255	Magnetoliposomes as Contrast Agents. Methods in Enzymology, 2003, 373, 175-198.	1.0	62
256	111In oxine labelled mesenchymal stem cell SPECT after intravenous administration in myocardial infarction. Nuclear Medicine Communications, 2003, 24, 1149-1154.	1.1	202
257	Intracytoplasmic tagging of cells with ferumoxides and transfection agent for cellular magnetic resonance imaging after cell transplantation: methods and techniques. Transplantation, 2003, 76, 1123-1130.	1.0	237
258	MR Contrast Agents for Molecular and Cellular Imaging. , 2003, , 721-739.		2
259	Pharmacokinetics of a High-Generation Dendrimerâ€“Gd-DOTA. Academic Radiology, 2002, 9, S29-S33.	2.5	15
260	Monitoring Stem Cell Therapy in Vivo Using Magnetodendrimers as a New Class of Cellular MR Contrast Agents. Academic Radiology, 2002, 9, S332-S335.	2.5	58
261	The Interaction of MS-325 with Human Serum Albumin and Its Effect on Proton Relaxation Rates. Journal of the American Chemical Society, 2002, 124, 3152-3162.	13.7	432
262	Magnetic Intracellular Labeling of Mammalian Cells by Combining (FDA-Approved) Superparamagnetic Iron Oxide MR Contrast Agents and Commonly Used Transfection Agents. Academic Radiology, 2002, 9, S484-S487.	2.5	200
263	Magnetically Labeled Glial Cells as Cellular MR Contrast Agents. Academic Radiology, 2002, 9, S148-S150.	2.5	14
264	Magnetic resonance microscopy and histology of the CNS. Trends in Biotechnology, 2002, 20, S24-S28.	9.3	14
265	Microscopic R2* mapping of reduced brain iron in the Belgrade rat. Annals of Neurology, 2002, 52, 102-105.	5.3	25
266	Dy-DTPA derivatives as relaxation agents for very high field MRI: The beneficial effect of slow water exchange on the transverse relaxivities. Magnetic Resonance in Medicine, 2002, 47, 1121-1130.	3.0	82
267	In Vivo Magnetic Resonance Tracking of Magnetically Labeled Cells after Transplantation. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 899-907.	4.3	286
268	Synthesis and Characterization of Soluble Iron Oxideâ^'Dendrimer Composites. Chemistry of Materials, 2001, 13, 2201-2209.	6.7	189
269	Sensitive NMR Detection of Cationic-Polymer-Based Gene Delivery Systems Using Saturation Transfer via Proton Exchange. Journal of the American Chemical Society, 2001, 123, 8628-8629.	13.7	196
270	Molecular factors that determine Curie spin relaxation in dysprosium complexes. Magnetic Resonance in Medicine, 2001, 46, 917-922.	3.0	70

#	Article	IF	Citations
271	Magnetodendrimers allow endosomal magnetic labeling and in vivo tracking of stem cells. Nature Biotechnology, 2001, 19, 1141-1147.	17.5	1,016
272	Dendrimers. Focus on Biotechnology, 2001, , 47-69.	0.4	2
273	Preparation and Characterization of a Phospholipid Membrane-Bound Tetrapeptide That Corresponds to the C-Terminus of the Gastrin/Cholecystokinin Hormone Family. Journal of Colloid and Interface Science, 2000, 227, 421-426.	9.4	4
274	Neurotransplantation of magnetically labeled oligodendrocyte progenitors: Magnetic resonance tracking of cell migration and myelination. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 15256-15261.	7.1	545
275	Relaxometry, magnetometry, and EPR evidence for three magnetic phases in the MR contrast agent MION-46L. Journal of Magnetism and Magnetic Materials, 1999, 194, 217-223.	2.3	14
276	Preparation, relaxometry, and biokinetics of PEGylated magnetoliposomes as MR contrast agent. Journal of Magnetism and Magnetic Materials, 1999, 194, 204-209.	2.3	92
277	Short- vs. long-circulating magnetoliposomes as bone marrow-seeking MR contrast agents. Journal of Magnetic Resonance Imaging, 1999, 9, 329-335.	3.4	84
278	Synthesis and relaxometry of high-generation (G = 5, 7, 9, and 10) PAMAM dendrimer-DOTA-gadolinium chelates. Journal of Magnetic Resonance Imaging, 1999, 9, 348-352.	3.4	234
279	Relaxometry and magnetometry of the MR contrast agent MION-46L. Magnetic Resonance in Medicine, 1999, 42, 379-384.	3.0	94
280	Iron uptake by ferritin: NMR relaxometry studies at low iron loads. Journal of Inorganic Biochemistry, 1998, 71, 153-157.	3.5	27
281	Study of relapsing remitting experimental allergic encephalomyelitis SJL mouse model using MION-46L enhanced in vivo MRI: Early histopathological correlation. Journal of Neuroscience Research, 1998, 52, 549-558.	2.9	78
282	Relaxometry and magnetometry of ferritin. Magnetic Resonance in Medicine, 1998, 40, 227-235.	3.0	130
283	T1 and T2 relaxometry of monocrystalline iron oxide nanoparticles (MION-46L): Theory and experiment. Academic Radiology, 1998, 5, S137-S140.	2.5	27
284	Dysprosium-DOTA-PAMAM Dendrimers as Macromolecular T2 Contrast Agents. Investigative Radiology, 1998, 33, 841-845.	6.2	45
285	Hepatic hemosiderosis in non-human primates: Quantification of liver iron using different field strengths. Magnetic Resonance in Medicine, 1997, 37, 530-536.	3.0	89
286	Magnetic Nanoparticles as Contrast Agents for MR Imaging. , 1997, , 527-543.		26
287	Tagging of T cells with superparamagnetic iron oxide: Uptake kinetics and relaxometry. Academic Radiology, 1996, 3, S301-S303.	2.5	48
288	The relation between brain iron and NMR relaxation times: An invitro study. Magnetic Resonance in Medicine, 1996, 35, 56-61.	3.0	157

#	Article	IF	Citations
289	T1 andT2 of ferritin solutions: Effect of loading factor. Magnetic Resonance in Medicine, 1996, 36, 61-65.	3.0	84
290	Comparison of t2 relaxation in blood, brain, and ferritin. Journal of Magnetic Resonance Imaging, 1995, 5, 446-450.	3.4	69
291	Magnetic resonance imaging of brain iron in health and disease. Journal of the Neurological Sciences, 1995, 134, 19-26.	0.6	78
292	Initial assessment of magnetoferritin biokinetics and proton relaxation enhancement in rats. Academic Radiology, 1995, 2, 871-878.	2.5	35
293	Magnetoferritin: Characterization of a novel superparamagnetic MR contrast agent. Journal of Magnetic Resonance Imaging, 1994, 4, 497-505.	3.4	162
294	Magnetoferritin. Investigative Radiology, 1994, 29, S214-S216.	6.2	40
295	Selective MR imaging of labeled human peripheral blood mononuclear cells by liposome mediated incorporation of dextran-magnetite particles. Magnetic Resonance in Medicine, 1993, 29, 32-37.	3.0	141
296	Frequency dependence of MR relaxation times I. Paramagnetic ions. Journal of Magnetic Resonance Imaging, 1993, 3, 637-640.	3.4	45
297	Frequency dependence of MR relaxation times II. Iron oxides. Journal of Magnetic Resonance Imaging, 1993, 3, 641-648.	3.4	106
298	Intracerebral and subcutaneous xenografts of human SCLC in the nude rat: comparison of monoclonal antibody localization and tumor infiltrating lymphocytes. Journal of Neuro-Oncology, 1993, 16, 11-18.	2.9	7
299	Our approach towards developing a specific tumour-targeted MRI contrast agent for the brain. European Journal of Radiology, 1993, 16, 171-175.	2.6	19
300	Radioimmunodetection of human small cell lung carcinoma xenografts in the nude rat using 111in-labelled monoclonal antibody MOC-31. European Journal of Cancer, 1993, 29, 1885-1890.	2.8	8
301	Dextran-magnetite particles: Contrast-enhanced MRI of bloodâ€“brain barrier disruption in a rat model. Magnetic Resonance in Medicine, 1992, 23, 215-223.	3.0	44
302	Specific MR imaging of human lymphocytes by monoclonal antibodyâ€guided dextranâ€magnetite particles. Magnetic Resonance in Medicine, 1992, 25, 148-157.	3.0	142