Jeff W M Bulte

List of Publications by Year
in descending order

289 papers	25,551 citations	6760 80 h-index	8129 150 g-index
315 all docs	315 docs citations	315 times ranked	21028 citing authors

#	Article	IF	Citations
1	Cell-Penetrating and Enzyme-Responsive Peptides for Targeted Cancer Therapy: Role of Arginine Residue Length on Cell Penetration and In Vivo Systemic Toxicity. ACS Applied Materials & Interfaces, 2024, 16, 11159-11171.	8.3	1
2	Direct versus Indirect Labeling for Chimeric Antigen Receptor T-Cell Tracking Using PET. Radiology, 2024, 310, .	8.8	1
3	Targeted Enzyme Activity Imaging with Quantitative Phase Microscopy. Nano Letters, 2023, 23, 4602-4608.	9.5	5
4	In Vivo MRI Tracking of Tumor Vaccination and Antigen Presentation by Dendritic Cells. Molecular Imaging and Biology, 2022, 24, 198-207.	2.8	11
5	In Vivo Imaging of Implanted Hyaluronic Acid Hydrogel Biodegradation. Methods in Molecular Biology, 2022, 2394, 743-765.	0.0	2
6	In vivo tracking of unlabelled mesenchymal stromal cells by mannose-weighted chemical exchange saturation transfer MRI. Nature Biomedical Engineering, 2022, 6, 658-666.	22.4	21
7	Enzymeâ€mediated intratumoral selfâ€assembly of nanotheranostics for enhanced imaging and tumor therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1786.	6.8	6
8	Clinical magnetic hyperthermia requires integrated magnetic particle imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1779.	6.8	48
9	Opportunities for Molecular Imaging in Multiple Sclerosis Management: Linking Probe to Treatment. Radiology, 2022, 303, 486-497.	8.8	4
10	Surfaceâ€enhanced Raman scattering: An emerging tool for sensing cellular function. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1802.	6.8	14
11	CEST MRI and MALDI imaging reveal metabolic alterations in the cervical lymph nodes of EAE mice. Journal of Neuroinflammation, 2022, 19, .	7.4	2
12	Nonâ€invasive imaging of extracellular vesicles: Quo vaditis in vivo?. Journal of Extracellular Vesicles, 2022, 11, .	12.4	19
13	In Vivo Cellular Magnetic Imaging: Labeled versus Unlabeled Cells. Advanced Functional Materials, 2022, 32, .	16.5	4
14	Furinâ€Mediated Selfâ€Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors. Angewandte Chemie - International Edition, 2021, 60, 3923-3927.	14.8	36
15	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.	6.8	6
16	Furinâ€Mediated Selfâ€Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors. Angewandte Chemie, 2021, 133, 3969-3973.	2.1	4
17	Cell Surveillance Using Magnetic Resonance Imaging. , 2021, , 811-829.		0
18	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.	12.4	51

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19	Titelbild: Furinâ€Mediated Selfâ€Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors (Angew. Chem. 8/2021). Angewandte Chemie, 2021, 133, 3869-3869.	2.1	3
20	In Vivo Imaging of Pancreatic Islet Grafts in Diabetes Treatment. Frontiers in Endocrinology, 2021, 12, 640117.	3.5	13
21	The NIH Somatic Cell Genome Editing program. Nature, 2021, 592, 195-204.	36.2	89
22	Multifunctional Theranostic Graphene Oxide Nanoflakes as MR Imaging Agents with Enhanced Photothermal and Radiosensitizing Properties. ACS Applied Bio Materials, 2021, 4, 4280-4291.	4.8	18
23	<i>In Vivo</i> Imaging of Allografted Glial-Restricted Progenitor Cell Survival and Hydrogel Scaffold Biodegradation. ACS Applied Materials & Interfaces, 2021, 13, 23423-23437.	8.3	5
24	Soft Capsule Magnetic Millirobots for Region-Specific Drug Delivery in the Central Nervous System. Frontiers in Robotics and AI, 2021, 8, 702566.	3.4	13
25	Folate receptor-targeted nanoprobes for molecular imaging of cancer: Friend or foe?. Nano Today, 2021, 39, 101173.	12.3	20
26	Monitoring diffuse injury during disease progression in experimental autoimmune encephalomyelitis with on resonance variable delay multiple pulse (onVDMP) CEST MRI. NeuroImage, 2020, 204, 116245.	4.4	10
27	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
28	Development of Zincâ€Specific iCEST MRI as an Imaging Biomarker for Prostate Cancer. Angewandte Chemie - International Edition, 2019, 58, 15512-15517.	14.8	23
29	Fluorocapsules allow in vivo monitoring of the mechanical stability of encapsulated islet cell transplants. Biomaterials, 2019, 221, 119410.	11.8	11
30	Development of Zincâ€Specific iCEST MRI as an Imaging Biomarker for Prostate Cancer. Angewandte Chemie, 2019, 131, 15658-15663.	2.1	1
31	In Vivo Imaging of Composite Hydrogel Scaffold Degradation Using CEST MRI and Twoâ€Color NIR Imaging. Advanced Functional Materials, 2019, 29, 1903753.	16.5	50
32	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.	2.1	0
33	CT and CEST MRI bimodal imaging of the intratumoral distribution of iodinated liposomes. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1579-1591.	2.1	24
34	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.	10.4	13
35	Carbon Dots as a New Class of Diamagnetic Chemical Exchange Saturation Transfer (diaCEST) MRI Contrast Agents. Angewandte Chemie, 2019, 131, 9976-9980.	2.1	1
36	Carbon Dots as a New Class of Diamagnetic Chemical Exchange Saturation Transfer (diaCEST) MRI Contrast Agents. Angewandte Chemie - International Edition, 2019, 58, 9871-9875.	14.8	48

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37	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.	2.6	2
38	Detecting Different Cell Populations Using Multispectral ¹⁹F MRI. Radiology, 2019, 291, 358-359.	8.8	6
39	Magnetic Manipulation of Blood Conductivity with Superparamagnetic Iron Oxide-Loaded Erythrocytes. ACS Applied Materials & Interfaces, 2019, 11, 11194-11201.	8.3	7
40	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.	2.8	10
41	Magnetically Aligned Nanorods in Alginate Capsules (MANiACs): Soft Matter Tumbling Robots for Manipulation and Drug Delivery. Micromachines, 2019, 10, 230.	3.0	20
42	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	2
43	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.	3.4	29
44	Furin-mediated intracellular self-assembly of olsalazine nanoparticles for enhanced magnetic resonance imaging and tumour therapy. Nature Materials, 2019, 18, 1376-1383.	26.6	176
45	Superparamagnetic iron oxides as MPI tracers: A primer and review of early applications. Advanced Drug Delivery Reviews, 2019, 138, 293-301.	14.3	143
46	Perfluorocarbon Labeling of Human Glial-Restricted Progenitors for 19F Magnetic Resonance Imaging. Stem Cells Translational Medicine, 2019, 8, 355-365.	3.5	11
47	Gas vesicles as collapsible MRI contrast agents. Nature Materials, 2018, 17, 386-387.	26.6	7
48	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.	5.3	9
49	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.	4.6	24
50	Quantification and tracking of genetically engineered dendritic cells for studying immunotherapy. Magnetic Resonance in Medicine, 2018, 79, 1010-1019.	3.1	18
51	Sphingolipids and microRNA Changes in Blood following Blast Traumatic Brain Injury: An Exploratory Study. Journal of Neurotrauma, 2018, 35, 353-361.	3.6	25
52	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.	6.8	44
53	Characterization of tumor vascular permeability using natural dextrans and CEST MRI. Magnetic Resonance in Medicine, 2018, 79, 1001-1009.	3.1	35
54	Real-Time MRI Guidance for Reproducible Hyperosmolar Opening of the Blood-Brain Barrier in Mice. Frontiers in Neurology, 2018, 9, 921.	2.5	30

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55	Oral Administration of Salecan-Based Hydrogels for Controlled Insulin Delivery. Journal of Agricultural and Food Chemistry, 2018, 66, 10479-10489.	5.3	119
56	Clinical Tracking of Cell Transfer and Cell Transplantation: Trials and Tribulations. Radiology, 2018, 289, 604-615.	8.8	92
57	Molecular Imaging of CXCL12 Promoter-driven HSV1-TK Reporter Gene Expression. Biotechnology and Bioprocess Engineering, 2018, 23, 208-217.	2.6	7
58	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
59	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
60	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.	0.6	9
61	Nanoparticles as a Technology Platform for Biomedical Imaging. , 2017, , 1-7.		5
62	Molecular Considerations in Cell Transplant Imaging. Molecular and Translational Medicine, 2017, , 1-17.	0.0	0
63	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.	8.8	4
64	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.	3.4	40
65	Noninvasive Tracking of Alginate-Microencapsulated Cells. Methods in Molecular Biology, 2017, 1479, 143-155.	0.0	6
66	In Vivo¹⁹F MR Imaging Cell Tracking of Inflammatory Macrophages and Site-specific Development of Colitis-associated Dysplasia. Radiology, 2017, 282, 194-201.	8.8	31
67	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.	16.5	100
68	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.	4.6	65
69	Cell Tracking and Transplant Imaging. , 2017, , 593-603.		1
70	An immunocompetent mouse model of human glioblastoma. Oncotarget, 2017, 8, 61072-61082.	2.1	31
71	Label-free CEST MRI Detection of Citicoline-Liposome Drug Delivery in Ischemic Stroke. Theranostics, 2016, 6, 1588-1600.	9.9	78
72	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.	4.6	25

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73	Imaging the DNA Alkylator Melphalan by CEST MRI: An Advanced Approach to Theranostics. Molecular Pharmaceutics, 2016, 13, 3043-3053.	4.7	20
74	Magnetoencapsulated human islets xenotransplanted into swine: a comparison of different transplantation sites. Xenotransplantation, 2016, 23, 211-221.	3.0	22
75	Accelerating stem cell trials for Alzheimer's disease. Lancet Neurology, The, 2016, 15, 219-230.	10.4	80
76	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
77	Co-Registration of Bioluminescence Tomography, Computed Tomography, and Magnetic Resonance Imaging for Multimodal In Vivo Stem Cell Tracking. Tomography, 2016, 2, 158-165.	1.9	23
78	Concise Review: Using Stem Cells to Prevent the Progression of Myopiaâ€"A Concept. Stem Cells, 2015, 33, 2104-2113.	3.6	23
79	Fluorine-19 Labeling of Stromal Vascular Fraction Cells for Clinical Imaging Applications. Stem Cells Translational Medicine, 2015, 4, 1472-1481.	3.5	37
80	Tumorâ€specific expression and detection of a CEST reporter gene. Magnetic Resonance in Medicine, 2015, 74, 544-549.	3.1	47
81	Multiâ€echo Length and Offset VARied Saturation (MeLOVARS) method for improved CEST imaging. Magnetic Resonance in Medicine, 2015, 73, 488-496.	3.1	27
82	Pre- and postmortem imaging of transplanted cells. International Journal of Nanomedicine, 2015, 10, 5543.	6.5	11
83	Quantitative â€œHot-Spotâ€• Imaging of Transplanted Stem Cells Using Superparamagnetic Tracers and Magnetic Particle Imaging. Tomography, 2015, 1, 91-97.	1.9	118
84	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.	8.8	0
85	Advances in using MRI probes and sensors for <i>in vivo</i> cell tracking as applied to regenerative medicine. DMM Disease Models and Mechanisms, 2015, 8, 323-336.	2.4	78
86	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.	16.5	105
87	Single ¹⁹F Probe for Simultaneous Detection of Multiple Metal Ions Using miCEST MRI. Journal of the American Chemical Society, 2015, 137, 78-81.	14.6	71
88	Label-free imaging of gelatin-containing hydrogel scaffolds. Biomaterials, 2015, 42, 144-150.	11.8	66
89	Nanotechnology for Cellular Imaging. , 2015, , 345-361.		0
90	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.	8.8	5

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91	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
92	Label-free in vivo molecular imaging of underglycosylated mucin-1 expression in tumour cells. Nature Communications, 2015, 6, 6719.	13.2	62
93	Molecular Engineering of Nonmetallic Biosensors for CEST MRI. ACS Chemical Biology, 2015, 10, 1160-1170.	3.6	44
94	Supercharged green fluorescent proteins as bimodal reporter genes for CEST MRI and optical imaging. Chemical Communications, 2015, 51, 4869-4871.	4.2	41
95	Biophysical Characterization of Human Protamine-1 as a Responsive CEST MR Contrast Agent. ACS Macro Letters, 2015, 4, 34-38.	4.9	19
96	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
97	Fused X-ray and MR Imaging Guidance of Intrapericardial Delivery of Microencapsulated Human Mesenchymal Stem Cells in Immunocompetent Swine. Radiology, 2014, 272, 427-437.	8.8	16
98	Non-invasive temperature mapping using temperature-responsive water saturation shift referencing (T-WASSR) MRI. NMR in Biomedicine, 2014, 27, 320-331.	2.9	35
99	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.	2.2	38
100	MR cholangiography demonstrates unsuspected rapid biliary clearance of nanoparticles in rodents: Implications for clinical translation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1385-1388.	3.5	23
101	A diaCEST MRI approach for monitoring liposomal accumulation in tumors. Journal of Controlled Release, 2014, 180, 51-59.	10.2	53
102	Seeing Stem Cells at Work In Vivo. Stem Cell Reviews and Reports, 2014, 10, 127-144.	5.5	81
103	Diamagnetic chemical exchange saturation transfer (<scp>diaCEST</scp>) liposomes: physicochemical properties and imaging applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 111-124.	6.8	38
104	Human Protamine-1 as an MRI Reporter Gene Based on Chemical Exchange. ACS Chemical Biology, 2014, 9, 134-138.	3.6	67
105	Science to Practice: Highly Shifted Proton MR Imagingâ€"A Shift toward Better Cell Tracking?. Radiology, 2014, 272, 615-617.	8.8	4
106	Magnetization transfer contrast MRI for non-invasive assessment of innate and adaptive immune responses against alginate-encapsulated cells. Biomaterials, 2014, 35, 7811-7818.	11.8	16
107	Cell motility of neural stem cells is reduced after SPIOâ€labeling, which is mitigated after exocytosis. Magnetic Resonance in Medicine, 2013, 69, 255-262.	3.1	89
108	NOrmalized MAgnetization Ratio (NOMAR) filtering for creation of tissue selective contrast maps. Magnetic Resonance in Medicine, 2013, 69, 516-523.	3.1	16

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109	Metal Ion Sensing Using Ion Chemical Exchange Saturation Transfer¹⁹F Magnetic Resonance Imaging. Journal of the American Chemical Society, 2013, 135, 12164-12167.	14.6	67
110	The survival of engrafted neural stem cells within hyaluronic acid hydrogels. Biomaterials, 2013, 34, 5521-5529.	11.8	129
111	IMAGING CELL THERAPY. , 2013, , 223-251.		0
112	Tracking immune cells in vivo using magnetic resonance imaging. Nature Reviews Immunology, 2013, 13, 755-763.	22.5	409
113	Microencapsulated cell tracking. NMR in Biomedicine, 2013, 26, 850-859.	2.9	35
114	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	27
115	MRI-detectable pH nanosensors incorporated intoÂhydrogels for inÂvivo sensing of transplanted-cell viability. Nature Materials, 2013, 12, 268-275.	26.6	192
116	Biotargeted Nanomedicines for Cancer: Six Tenets Before You Begin. Nanomedicine, 2013, 8, 299-308.	3.5	48
117	Transforming Thymidine into a Magnetic Resonance Imaging Probe for Monitoring Gene Expression. Journal of the American Chemical Society, 2013, 135, 1617-1624.	14.6	82
118	Science to Practice: Can Stem Cells Be Labeled Inside the Body Instead of Outside?. Radiology, 2013, 269, 1-3.	8.8	15
119	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.	4.6	131
120	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.	3.1	41
121	MR Monitoring of Minimally Invasive Delivery of Mesenchymal Stem Cells into the Porcine Intervertebral Disc. PLoS ONE, 2013, 8, e74658.	2.5	30
122	Using C-Arm X-Ray Imaging to Guide Local Reporter Probe Delivery for Tracking Stem Cell Engraftment. Theranostics, 2013, 3, 916-926.	9.9	10
123	Cell Labeling Methods for Noninvasive MR Imaging of Stem Cells. , 2013, , 65-74.		0
124	In Vivo Imaging of MSCs. , 2013, , 389-402.		0
125	The Magnetic Appeal of Silencing Theranostics. Diabetes, 2012, 61, 3068-3069.	0.9	4
126	Science to Practice: Can Macrophage Infiltration Serve as a Surrogate Marker for Stem Cell Viability?. Radiology, 2012, 264, 619-620.	8.8	6

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127	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.	8.8	52
128	Immunomodulation by Transplanted Human Embryonic Stem Cellâ€Derived Oligodendroglial Progenitors in Experimental Autoimmune Encephalomyelitis. Stem Cells, 2012, 30, 2820-2829.	3.6	38
129	Neonatal desensitization does not universally prevent xenograft rejection. Nature Methods, 2012, 9, 856-858.	19.6	19
130	In Vivo Tracking Techniques for Cellular Regeneration, Replacement, and Redirection. Journal of Nuclear Medicine, 2012, 53, 1825-1828.	6.1	19
131	Use of Magnetocapsules for in Vivo Visualization and Enhanced Survival of Xenogeneic HepG2 Cell Transplants. Cell Medicine, 2012, 4, 77-84.	6.0	16
132	Noninvasive Monitoring of Immunosuppressive Drug Efficacy to Prevent Rejection of Intracerebral Glial Precursor Allografts. Cell Transplantation, 2012, 21, 2149-2157.	2.6	15
133	MRI biosensor for protein kinase A encoded by a single synthetic gene. Magnetic Resonance in Medicine, 2012, 68, 1919-1923.	3.1	56
134	Natural <scp>D</scp>â€glucose as a biodegradable MRI contrast agent for detecting cancer. Magnetic Resonance in Medicine, 2012, 68, 1764-1773.	3.1	297
135	Personalized nanomedicine advancements for stem cell tracking. Advanced Drug Delivery Reviews, 2012, 64, 1488-1507.	14.3	70
136	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.	3.6	33
137	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.	2.8	47
138	In vivo multicolor molecular MR imaging using diamagnetic chemical exchange saturation transfer liposomes. Magnetic Resonance in Medicine, 2012, 67, 1106-1113.	3.1	105
139	CEST phase mapping using a length and offset varied saturation (LOVARS) scheme. Magnetic Resonance in Medicine, 2012, 68, 1074-1086.	3.1	51
140	ICVâ€transplanted human glial precursor cells are shortâ€lived yet exert immunomodulatory effects in mice with EAE. Glia, 2012, 60, 1117-1129.	5.3	29
141	Microcapsules with intrinsic barium radiopacity for immunoprotection and X-ray/CT imaging of pancreatic islet cells. Biomaterials, 2012, 33, 4681-4689.	11.8	42
142	Automated detection and characterization of SPIOâ€labeled cells and capsules using magnetic field perturbations. Magnetic Resonance in Medicine, 2012, 67, 278-289.	3.1	30
143	Emerging Interventional MR Applications. , 2012, , 395-401.		0
144	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

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145	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.	14.6	84
146	MR Imaging of Transplanted Stem Cells in Myocardial Infarction. Methods in Molecular Biology, 2011, 680, 141-152.	0.0	24
147	Mesoporous Silica-Coated Hollow Manganese Oxide Nanoparticles as Positive <i>T</i>₁ Contrast Agents for Labeling and MRI Tracking of Adipose-Derived Mesenchymal Stem Cells. Journal of the American Chemical Society, 2011, 133, 2955-2961.	14.6	494
148	Multimodal imaging of sustained drug release from 3-D poly(propylene fumarate) (PPF) scaffolds. Journal of Controlled Release, 2011, 156, 239-245.	10.2	60
149	Tracking stem cells using magnetic nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 343-355.	6.8	227
150	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.	3.1	105
151	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.	3.1	29
152	Fluorine (¹⁹F) MRS and MRI in biomedicine. NMR in Biomedicine, 2011, 24, 114-129.	2.9	435
153	Human glial-restricted progenitors survive, proliferate, and preserve electrophysiological function in rats with focal inflammatory spinal cord demyelination. Glia, 2011, 59, 499-510.	5.3	61
154	Use of perfluorocarbon nanoparticles for nonâ€invasive multimodal cell tracking of human pancreatic islets. Contrast Media and Molecular Imaging, 2011, 6, 251-259.	1.0	83
155	Imaging of pancreatic islet cells. Diabetes/Metabolism Research and Reviews, 2011, 27, 761-766.	4.2	44
156	Multifunctional Capsuleâ€inâ€Capsules for Immunoprotection and Trimodal Imaging. Angewandte Chemie, 2011, 123, 2365-2369.	2.1	8
157	Titelbild: Multifunctional Capsule-in-Capsules for Immunoprotection and Trimodal Imaging (Angew.) Tj ETQq1 1 0.784314 rgBT /Overl	2.1	1
158	Multifunctional Capsuleâ€inâ€Capsules for Immunoprotection and Trimodal Imaging. Angewandte Chemie - International Edition, 2011, 50, 2317-2321.	14.8	77
159	Science to Practice: Can Theranostic Fullerenes Be Used to Treat Brain Tumors?. Radiology, 2011, 261, 1-2.	8.8	8
160	Fluorocapsules for Improved Function, Immunoprotection, and Visualization of Cellular Therapeutics with MR, US, and CT Imaging. Radiology, 2011, 258, 182-191.	8.8	101
161	MPI cell tracking: what can we learn from MRI?. Proceedings of SPIE, 2011, 7965, 79650z.	1.0	30
162	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.	8.8	127

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163	CEST MRI Reporter Genes. Methods in Molecular Biology, 2011, 711, 271-280.	0.0	13
164	MRI of Transplanted Neural Stem Cells. Methods in Molecular Biology, 2011, 711, 435-449.	0.0	14
165	Conserved fate and function of ferumoxidesâ€labeled neural precursor cells in vitro and in vivo. Journal of Neuroscience Research, 2010, 88, 936-944.	3.0	46
166	Imaging of cellular therapies. Advanced Drug Delivery Reviews, 2010, 62, 1080-1093.	14.3	127
167	Evoked potential and behavioral outcomes for experimental autoimmune encephalomyelitis in Lewis rats. Neurological Sciences, 2010, 31, 595-601.	2.0	66
168	Optimization of magnetosonoporation for stem cell labeling. NMR in Biomedicine, 2010, 23, 480-484.	2.9	14
169	Highâ€throughput screening of chemical exchange saturation transfer MR contrast agents. Contrast Media and Molecular Imaging, 2010, 5, 162-170.	1.0	103
170	Gene expression profiling reveals early cellular responses to intracellular magnetic labeling with superparamagnetic iron oxide nanoparticles. Magnetic Resonance in Medicine, 2010, 63, 1031-1043.	3.1	99
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