

Iron oxide MR contrast agents for molecular and cellular

NMR in Biomedicine

17, 484-499

DOI: [10.1002/nbm.924](https://doi.org/10.1002/nbm.924)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Future Directions in Body Magnetic Resonance Imaging. Topics in Magnetic Resonance Imaging, 2005, 16, 3-14.	0.7	8
2	C-MALISA (cellular magnetic-linked immunosorbent assay), a new application of cellular ELISA for MRI. Journal of Inorganic Biochemistry, 2005, 99, 1135-1144.	1.5	59
3	Magnetic resonance tracking of dendritic cells in melanoma patients for monitoring of cellular therapy. Nature Biotechnology, 2005, 23, 1407-1413.	9.4	791
5	Cell-based therapies and imaging in cardiology. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, S404-S416.	3.3	80
6	In vitro imaging of single living human umbilical vein endothelial cells with a clinical 3.0-T MRI scanner. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2005, 18, 175-185.	1.1	42
7	Magnetic nanoparticle probes. Materials Today, 2005, 8, 32-38.	8.3	169
8	Molecular MR Imaging in Oncology. Magnetic Resonance Imaging Clinics of North America, 2005, 13, 225-240.	0.6	23
9	Future Horizons in MR Imaging. Magnetic Resonance Imaging Clinics of North America, 2005, 13, 211-224.	0.6	21
10	Magnetic resonance imaging, microscopy, and spectroscopy of the central nervous system in experimental animals. NeuroRx, 2005, 2, 250-264.	6.0	62
11	Noninvasive MRI of Endothelial Cell Response to Human Breast Cancer Cells. Neoplasia, 2006, 8, 207-213.	2.3	14
12	Molecular Imaging of Novel Cell- and Viral-Based Therapies. Neuroimaging Clinics of North America, 2006, 16, 655-679.	0.5	3
14	Enhanced Detection of Paramagnetic Contrast Agents in Magnetic Resonance Images Via Phase Image Cross-Correlation Analysis. , 0, , .		0
15	Magnetic Structure and Power Absorption in Magnetite Nanoparticles from a MRI Contrast Agent. , 2006, , .		1
16	In vivo imaging with cellular resolution of bone marrow cells transplanted into the ischemic brain of a mouse. NeuroImage, 2006, 31, 958-967.	2.1	17
17	Magnetic resonance imaging of the migration of neuronal precursors generated in the adult rodent brain. NeuroImage, 2006, 32, 1150-1157.	2.1	137
18	Gold nanoparticles: a new X-ray contrast agent. British Journal of Radiology, 2006, 79, 248-253.	1.0	1,205
19	Radiopaque Alginate Microcapsules for X-ray Visualization and Immunoprotection of Cellular Therapeutics. Molecular Pharmaceutics, 2006, 3, 531-538.	2.3	91
20	Non-invasive imaging of dendritic cell migration in vivo. Immunobiology, 2006, 211, 587-597.	0.8	30

#	ARTICLE	IF	CITATIONS
21	Magnetic nanoparticles and their applications in medicine. <i>Nanomedicine</i> , 2006, 1, 157-168.	1.7	327
22	Feasibility and Limits of Magnetically Labeling Primary Cultured Rat T Cells with Ferumoxides Coupled with Commonly Used Transfection Agents. <i>Molecular Imaging</i> , 2006, 5, 7290.2006.00010.	0.7	12
23	Textbook of in vivo Imaging in Vertebrates. , 2006, , .		4
25	Understanding Stem Cell-Mediated Brain Repair Through Neuroimaging. <i>Current Stem Cell Research and Therapy</i> , 2006, 1, 55-63.	0.6	13
26	Cellular Imaging of Inflammation in Atherosclerosis Using Magnetofluorescent Nanomaterials. <i>Molecular Imaging</i> , 2006, 5, 7290.2006.00009.	0.7	124
27	In vivo imaging using bioluminescence: a tool for probing graft-versus-host disease. <i>Nature Reviews Immunology</i> , 2006, 6, 484-490.	10.6	172
28	Overview of stem cells and imaging modalities for cardiovascular diseases. <i>Journal of Nuclear Cardiology</i> , 2006, 13, 554-569.	1.4	33
29	Labelling of cultured macrophages with novel magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 304, e4-e6.	1.0	19
30	Dynamic imaging with MRI contrast agents: quantitative considerations. <i>Magnetic Resonance Imaging</i> , 2006, 24, 449-462.	1.0	67
31	Magnetic Resonance Imaging of Ferumoxide-Labeled Mesenchymal Stem Cells Seeded on Collagen Scaffoldsâ€”Relevance to Tissue Engineering. <i>Tissue Engineering</i> , 2006, 12, 2765-2775.	4.9	77
32	Linking Hydrophilic Macromolecules to Monodisperse Magnetite (Fe ₃ O ₄) Nanoparticles via Trichloro-s-triazine. <i>Chemistry of Materials</i> , 2006, 18, 5401-5403.	3.2	185
33	Recent advances in iron oxide nanocrystal technology for medical imagingâ€†. <i>Advanced Drug Delivery Reviews</i> , 2006, 58, 1471-1504.	6.6	1,335
34	Noninvasive Evaluation of Immunosuppressive Drug Efficacy on Acute Donor Cell Survival. <i>Molecular Imaging and Biology</i> , 2006, 8, 163-170.	1.3	16
35	Effect of Spatial Distribution of Magnetic Dipoles on Larmor Frequency Distribution and MR Signal Decay â€” a Numerical Approach Under Static Dephasing Conditions. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006, 19, 46-53.	1.1	19
36	Effect of Concentration of SH U 555A Labeled Human Melanoma Cells on MR Spin Echo and Gradient Echo Signal Decay at 0.2, 1.5, and 3T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006, 19, 71-77.	1.1	10
37	AIDS-related cerebral toxoplasmosis with hyperintense foci on T1-weighted MR images: A case report. <i>Journal of Infection</i> , 2006, 53, e167-e170.	1.7	7
38	Molecular imaging of cardiac stem cell transplantation. <i>Current Cardiology Reports</i> , 2006, 8, 147-154.	1.3	26
39	Current status of imaging pancreatic islets. <i>Current Diabetes Reports</i> , 2006, 6, 328-332.	1.7	11

#	ARTICLE	IF	CITATIONS
40	Molecular imaging of cell-mediated cancer immunotherapy. Trends in Biotechnology, 2006, 24, 410-418.	4.9	40
41	Designed Fabrication of Multifunctional Magnetic Gold Nanoshells and Their Application to Magnetic Resonance Imaging and Photothermal Therapy. Angewandte Chemie - International Edition, 2006, 45, 7754-7758.	7.2	475
42	Lipid-based nanoparticles for contrast-enhanced MRI and molecular imaging. NMR in Biomedicine, 2006, 19, 142-164.	1.6	510
43	In vivo magnetic resonance imaging of dendritic cell migration into the draining lymph nodes of mice. European Journal of Immunology, 2006, 36, 2544-2555.	1.6	90
44	Single-cell detection by gradient echo 9.4 T MRI: a parametric study. Contrast Media and Molecular Imaging, 2006, 1, 165-174.	0.4	44
45	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.	1.9	106
46	In vivo magnetic resonance imaging of single cells in mouse brain with optical validation. Magnetic Resonance in Medicine, 2006, 55, 23-29.	1.9	280
47	Quantification of the expression level of integrin receptor $\alpha_5\beta_1$ in cell lines and MR imaging with antibody-coated iron oxide particles. Magnetic Resonance in Medicine, 2006, 56, 711-716.	1.9	51
48	Off-resonance saturation as a means of generating contrast with superparamagnetic nanoparticles. Magnetic Resonance in Medicine, 2006, 56, 726-732.	1.9	68
49	In vivo MRI of cancer cell fate at the single-cell level in a mouse model of breast cancer metastasis to the brain. Magnetic Resonance in Medicine, 2006, 56, 1001-1010.	1.9	286
50	Feasibility of in vivo identification of endogenous ferritin with positive contrast MRI in rabbit carotid crush injury using GRASP. Magnetic Resonance in Medicine, 2006, 56, 1096-1106.	1.9	33
51	Saying "yes" to obese living liver donors: Short-term intensive treatment for donors with hepatic steatosis in living-donor liver transplantation. Nakamuta M, Morizono S, Soejima Y, Yoshizumi T, Aishima S, Takasugi S, et al. Transplantation 2005;80:608-612. Liver Transplantation, 2006, 12, 1012-1016.	1.3	29
52	Cellular Therapies and Cell Tracking. , 0, , 347-367.		0
54	Geometry and extension of signal voids in MR images induced by aggregations of magnetically labelled cells. Physics in Medicine and Biology, 2006, 51, 4707-4718.	1.6	22
55	Calcium-sensitive MRI contrast agents based on superparamagnetic iron oxide nanoparticles and calmodulin. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14707-14712.	3.3	220
56	Innovation in Contrast Agents for Magnetic Resonance Imaging. Current Medical Imaging, 2006, 2, 291-298.	0.4	2
57	In Vivo Visualization of Embryonic Stem Cell Survival, Proliferation, and Migration After Cardiac Delivery. Circulation, 2006, 113, 1005-1014.	1.6	492
58	Effects of epigenetic modulation on reporter gene expression: implications for stem cell imaging. FASEB Journal, 2006, 20, 106-108.	0.2	124

#	ARTICLE	IF	CITATIONS
59	Transcriptional profiling of reporter genes used for molecular imaging of embryonic stem cell transplantation. <i>Physiological Genomics</i> , 2006, 25, 29-38.	1.0	76
60	Direct Magnetic Tubular Cell Seeding: A Novel Approach for Vascular Tissue Engineering. <i>Cells Tissues Organs</i> , 2006, 183, 156-165.	1.3	69
61	In situ labeling of immune cells with iron oxide particles: An approach to detect organ rejection by cellular MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1852-1857.	3.3	599
62	Targeting angiogenesis versus myogenesis with cardiac cell therapy. <i>Expert Review of Cardiovascular Therapy</i> , 2006, 4, 745-753.	0.6	4
64	Bio-Applications of Nanoparticles. <i>Advances in Experimental Medicine and Biology</i> , 2007, , .	0.8	26
65	MRI Contrast Agents: Current Status and Future Perspectives. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2007, 7, 291-305.	0.9	232
66	Molecular Neuroimaging: From Conventional to Emerging Techniques. <i>Radiology</i> , 2007, 245, 21-42.	3.6	74
67	Two-color in vivo dynamic contrast-enhanced pharmacokinetic imaging. <i>Journal of Biomedical Optics</i> , 2007, 12, 034016.	1.4	12
68	Molecular Imaging of Embryonic Stem Cell Misbehavior and Suicide Gene Ablation. <i>Cloning and Stem Cells</i> , 2007, 9, 107-117.	2.6	123
69	In vivo leukocyte labeling with intravenous ferumoxides/protamine sulfate complex and in vitro characterization for cellular magnetic resonance imaging. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1698-C1708.	2.1	67
70	Inflammation-Specific T ₁ Imaging Using Anti-Intercellular Adhesion Molecule 1 Antibody-Conjugated Gadolinium Diethylenetriaminepentaacetic Acid. <i>Molecular Imaging</i> , 2007, 6, 7290.2007.00005.	0.7	26
71	Magnetic Resonance Molecular Imaging Contrast Agents and Their Application in Atherosclerosis. <i>Topics in Magnetic Resonance Imaging</i> , 2007, 18, 409-417.	0.7	25
72	Magnetic and fluorescent nanoparticles for multimodality imaging. <i>Nanomedicine</i> , 2007, 2, 307-324.	1.7	160
73	Cellular multiparametric MRI of neural stem cell therapy in a rat glioma model. <i>NeuroImage</i> , 2007, 37, 769-782.	2.1	50
74	Gd-doped iron-oxide nanoparticles for tumour therapy via magnetic field hyperthermia. <i>Journal of Materials Chemistry</i> , 2007, 17, 4914.	6.7	128
75	Size-controlled synthesis of dextran sulfate coated iron oxide nanoparticles for magnetic resonance imaging. <i>Nanotechnology</i> , 2007, 18, 035603.	1.3	93
76	In Vivo Imaging of Cancer Therapy. , 2007, , .		6
77	In vivo tracking of stem cells in brain and spinal cord injury. <i>Progress in Brain Research</i> , 2007, 161, 367-383.	0.9	131

#	ARTICLE	IF	CITATIONS
78	Structural and Magnetic Properties of Gold and Silica Doubly Coated Fe_2O_3 Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18512-18519.	1.5	37
79	Composite Contrast Approach for Cellular MRI using the Combination of Gadolinium Chelates and Iron Oxide Particles. , 2007, , .		0
80	Magnetic Nanoparticle Assisted Molecular MR Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2007, 620, 85-106.	0.8	20
81	Structure and Properties of Iron Oxide Nanoparticles Encapsulated by Phospholipids with Poly(ethylene glycol) Tails. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18078-18086.	1.5	70
82	Noninvasive Tracking of Cardiac Embryonic Stem Cells In Vivo Using Magnetic Resonance Imaging Techniques. <i>Stem Cells</i> , 2007, 25, 2936-2944.	1.4	78
83	Influence of Iron Oleate Complex Structure on Iron Oxide Nanoparticle Formation. <i>Chemistry of Materials</i> , 2007, 19, 3624-3632.	3.2	504
84	Functionalized Magnetite Nanoparticlesâ€”Synthesis, Properties, and Bio-Applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2007, 32, 203-215.	6.8	249
87	Developing MR reporter genes: promises and pitfalls. <i>NMR in Biomedicine</i> , 2007, 20, 275-290.	1.6	196
88	Development of a T1â€”Contrast Agent for Magnetic Resonance Imaging Using MnO Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5397-5401.	7.2	545
89	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7039-7043.	7.2	303
91	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. <i>Angewandte Chemie</i> , 2007, 119, 7169-7173.	1.6	82
92	Nanoparticle Contrast Agents for Molecular Magnetic Resonance Imaging. , 0, , 321-346.		4
93	Antibody-Functionalized Hybrid Superparamagnetic Nanoparticles. <i>Advanced Functional Materials</i> , 2007, 17, 1473-1479.	7.8	46
94	Nanomedicine for drug delivery and imaging: A promising avenue for cancer therapy and diagnosis using targeted functional nanoparticles. <i>International Journal of Cancer</i> , 2007, 120, 2527-2537.	2.3	553
95	Theoretical MRI contrast model for exogenous T2 agents. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 442-447.	1.9	32
96	Magnetic nanoparticle labeling of mesenchymal stem cells without transfection agent: Cellular behavior and capability of detection with clinical 1.5 T magnetic resonance at the single cell level. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 717-724.	1.9	110
97	Positive contrast visualization of iron oxideâ€”labeled stem cells using inversionâ€”recovery with ONâ€”resonant water suppression (IRON). <i>Magnetic Resonance in Medicine</i> , 2007, 58, 1072-1077.	1.9	215
98	Preparation and properties of magnetic nano- and microsized particles for biological and environmental separations. <i>Journal of Separation Science</i> , 2007, 30, 1751-1772.	1.3	327

#	ARTICLE	IF	CITATIONS
99	Coating thickness of magnetic iron oxide nanoparticles affects R_{2^*} relaxivity. Journal of Magnetic Resonance Imaging, 2007, 26, 1634-1641.	1.9	214
100	Uptake of magnetic nanoparticles into cells for cell tracking. Journal of Magnetism and Magnetic Materials, 2007, 311, 234-237.	1.0	43
101	Water diffusion-exchange effect on the paramagnetic relaxation enhancement in off-resonance rotating frame. Journal of Magnetic Resonance, 2007, 186, 259-272.	1.2	4
102	Polymers for bioimaging. Progress in Polymer Science, 2007, 32, 1031-1053.	11.8	180
103	Magnetic nanoparticles for drug delivery. Nano Today, 2007, 2, 22-32.	6.2	1,347
104	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. Nature Medicine, 2007, 13, 95-99.	15.2	1,756
105	Potential applications of dendritic cells. ISBT Science Series, 2007, 2, 264-271.	1.1	0
106	Magnetic Resonance Imaging in Animal Models of Epilepsy—Noninvasive Detection of Structural Alterations. Epilepsia, 2007, 48, 3-10.	2.6	316
107	Comparison of Micrometer and Nanometer Sized Magnetic Particles for Cell Labeling. IEEE Transactions on Magnetics, 2007, 43, 2421-2423.	1.2	12
108	Magnetic Resonance-Based Tracking and Quantification of Intravenously Injected Neural Stem Cell Accumulation in the Brains of Mice with Experimental Multiple Sclerosis. Stem Cells, 2007, 25, 2583-2592.	1.4	115
109	Molecular Imaging of Bone Marrow Mononuclear Cell Homing and Engraftment in Ischemic Myocardium. Stem Cells, 2007, 25, 2677-2684.	1.4	133
110	Bifunctional Gold Nanoshells with a Superparamagnetic Iron Oxide/Silica Core Suitable for Both MR Imaging and Photothermal Therapy. Journal of Physical Chemistry C, 2007, 111, 6245-6251.	1.5	308
111	Cell labeling with the positive MR contrast agent Gadofluorine M. European Radiology, 2007, 17, 1226-1234.	2.3	47
112	Versatile PEG-derivatized phosphine oxide ligands for water-dispersible metal oxide nanocrystals. Chemical Communications, 2007, , 5167.	2.2	93
113	Internal structure of magnetic endosomes. European Physical Journal E, 2007, 22, 1-10.	0.7	40
114	MR-based imaging of neural stem cells. Neuroradiology, 2007, 49, 523-534.	1.1	42
115	Indium-111 oxine labelling affects the cellular integrity of haematopoietic progenitor cells. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 715-721.	3.3	52
116	Integration of genomics, proteomics, and imaging for cardiac stem cell therapy. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 20-26.	3.3	60

#	ARTICLE	IF	CITATIONS
117	Cardiovascular molecular MR imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 99-104.	3.3	16
118	Study on the endocytosis and the internalization mechanism of aminosilane-coated Fe ₃ O ₄ nanoparticles in vitro. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 2145-2149.	1.7	49
119	Designing feedback-based contrast enhancement for in vivo imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 19, 333-346.	1.1	7
120	Magnetic resonance imaging of iron-oxide labeled SK-Mel 28 human melanoma cells in the chick embryo using a clinical whole body MRI scanner. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 20, 1-9.	1.1	14
121	Simultaneous dynamic T ₁ and T ₂ * measurement for AIF assessment combined with DCE MRI in a mouse tumor model. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 20, 193-203.	1.1	35
122	Enhanced diffusion weighting generated by selective adiabatic pulse trains. <i>Journal of Magnetic Resonance</i> , 2007, 188, 35-40.	1.2	2
123	In vitro study of CD133 human stem cells labeled with superparamagnetic iron oxide nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 330-339.	1.7	12
124	Iron oxide labelling of human mesenchymal stem cells in collagen hydrogels for articular cartilage repair. <i>Biomaterials</i> , 2008, 29, 1473-1483.	5.7	114
125	Properties of magnetic poly(glycidyl methacrylate) and poly(N-isopropylacrylamide) microspheres. <i>Journal of Materials Science</i> , 2008, 43, 5845-5850.	1.7	11
126	Dendritic cell vaccination and immune monitoring. <i>Cancer Immunology, Immunotherapy</i> , 2008, 57, 1559-1568.	2.0	91
127	Magnetic nanoparticle imaging by means of minimum norm estimates from remanence measurements. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 1177-1185.	1.6	41
128	In vivo molecular imaging of vascular stress. <i>Cell Stress and Chaperones</i> , 2008, 13, 263-273.	1.2	7
129	Ex-vivo cellular MRI with b-SSFP: quantitative benefits of 3ÅT over 1.5ÅT. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 251-259.	1.1	16
130	Imaging of stem cells using MRI. <i>Basic Research in Cardiology</i> , 2008, 103, 105-113.	2.5	97
131	Simple Synthesis of Functionalized Superparamagnetic Magnetite/Silica Core/Shell Nanoparticles and their Application as Magnetically Separable High-Performance Biocatalysts. <i>Small</i> , 2008, 4, 143-152.	5.2	351
132	Cytotoxicity of Nanoparticles. <i>Small</i> , 2008, 4, 26-49.	5.2	2,488
133	Single Chain Epidermal Growth Factor Receptor Antibody Conjugated Nanoparticles for in vivo Tumor Targeting and Imaging. <i>Small</i> , 2009, 5, 235-243.	5.2	315
134	Stem cell therapy: MRI guidance and monitoring. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 299-310.	1.9	74

#	ARTICLE	IF	CITATIONS
135	Molecular and cellular MR imaging: Potentials and challenges for neurological applications. Journal of Magnetic Resonance Imaging, 2008, 27, 941-954.	1.9	39
136	MagA is sufficient for producing magnetic nanoparticles in mammalian cells, making it an MRI reporter. Magnetic Resonance in Medicine, 2008, 59, 1225-1231.	1.9	171
137	MR tracking of transplanted cells with Fe^{3+} -positive contrast using manganese oxide nanoparticles. Magnetic Resonance in Medicine, 2008, 60, 1-7.	1.9	164
138	Serial in vivo positive contrast MRI of iron oxide-labeled embryonic stem cell-derived cardiac precursor cells in a mouse model of myocardial infarction. Magnetic Resonance in Medicine, 2008, 60, 73-81.	1.9	60
139	In vivo Fe^{3+} -MR imaging of neural stem cells using fluorinated nanoparticles. Magnetic Resonance in Medicine, 2008, 60, 1506-1511.	1.9	143
140	In vivo single cell detection of tumor-infiltrating lymphocytes with a clinical 1.5 Tesla MRI system. Magnetic Resonance in Medicine, 2008, 60, 1292-1297.	1.9	52
141	Magnetically enriched bone marrow-derived macrophages loaded in vitro with iron oxide can migrate to inflammation sites in mice. NMR in Biomedicine, 2008, 21, 120-128.	1.6	7
142	MRI in ocular drug delivery. NMR in Biomedicine, 2008, 21, 941-956.	1.6	33
143	Macrophage physiological function after superparamagnetic iron oxide labeling. NMR in Biomedicine, 2008, 21, 820-829.	1.6	84
144	Efficient Cellular Labeling by CD44 Receptor-Mediated Uptake of Cationic Liposomes Functionalized with Hyaluronic Acid and Loaded with MRI Contrast Agents. ChemMedChem, 2008, 3, 1858-1862.	1.6	31
145	Efficient stem cell labeling for MRI studies. Contrast Media and Molecular Imaging, 2008, 3, 27-37.	0.4	79
146	Application of MRI phase-difference mapping to assessment of vascular concentrations of BMS agent in mice. Contrast Media and Molecular Imaging, 2008, 3, 64-71.	0.4	16
147	A new method for the aqueous functionalization of superparamagnetic Fe_2O_3 nanoparticles. Contrast Media and Molecular Imaging, 2008, 3, 215-222.	0.4	26
148	Magnetic labeling of non-phagocytic adherent cells with iron oxide nanoparticles: a comprehensive study. Contrast Media and Molecular Imaging, 2008, 3, 223-232.	0.4	42
149	Chemical Design of Nanoparticle Probes for High-Performance Magnetic Resonance Imaging. Angewandte Chemie - International Edition, 2008, 47, 5122-5135.	7.2	809
150	Multifunctional Uniform Nanoparticles Composed of a Magnetite Nanocrystal Core and a Mesoporous Silica Shell for Magnetic Resonance and Fluorescence Imaging and for Drug Delivery. Angewandte Chemie - International Edition, 2008, 47, 8438-8441.	7.2	1,135
151	Designed Fabrication of Silica-Based Nanostructured Particle Systems for Nanomedicine Applications. Advanced Functional Materials, 2008, 18, 3745-3758.	7.8	382
152	Designed Fabrication of a Multifunctional Polymer Nanomedical Platform for Simultaneous Cancer-Targeted Imaging and Magnetically Guided Drug Delivery. Advanced Materials, 2008, 20, 478-483.	11.1	476

#	ARTICLE	IF	CITATIONS
153	Synthesis of Complexable Fluorescent Superparamagnetic Iron Oxide Nanoparticles (FL SPIONs) and Cell Labeling for Clinical Application. <i>Advanced Materials</i> , 2008, 20, 2512-2516.	11.1	56
156	Controlled synthesis of different types iron oxides nanocrystals in paraffin oil. <i>Journal of Colloid and Interface Science</i> , 2008, 327, 466-471.	5.0	24
157	Multifunctional particles: Magnetic nanocrystals and gold nanorods coated with fluorescent dye-doped silica shells. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1590-1599.	1.4	61
158	Detection of magnetic nanoparticles with magnetoencephalography. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1472-1478.	1.0	13
159	Universal cell labelling with anionic magnetic nanoparticles. <i>Biomaterials</i> , 2008, 29, 3161-3174.	5.7	308
160	Asialoglycoprotein receptor-targeted superparamagnetic iron oxide nanoparticles. <i>International Journal of Pharmaceutics</i> , 2008, 360, 197-203.	2.6	57
161	Paramagnetic Lipid-Coated Silica Nanoparticles with a Fluorescent Quantum Dot Core: A New Contrast Agent Platform for Multimodality Imaging. <i>Bioconjugate Chemistry</i> , 2008, 19, 2471-2479.	1.8	143
162	Monodisperse Magnetite Nanoparticles Coupled with Nuclear Localization Signal Peptide for Cell Nucleus Targeting. <i>Chemistry - an Asian Journal</i> , 2008, 3, 548-552.	1.7	50
163	Metabolomics of Neural Progenitor Cells: A Novel Approach to Biomarker Discovery. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008, 73, 389-401.	2.0	23
164	Nanoscaling Laws of Magnetic Nanoparticles and Their Applicabilities in Biomedical Sciences. <i>Accounts of Chemical Research</i> , 2008, 41, 179-189.	7.6	760
165	Zinc ferrite nanoparticles as MRI contrast agents. <i>Chemical Communications</i> , 2008, , 2224.	2.2	146
166	Reexamining the Effects of Particle Size and Surface Chemistry on the Magnetic Properties of Iron Oxide Nanocrystals: New Insights into Spin Disorder and Proton Relaxivity. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8127-8131.	1.5	233
167	Magnetic nanoparticles in MR imaging and drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 1252-1265.	6.6	2,218
168	Cell tracking with optical imaging. <i>European Radiology</i> , 2008, 18, 2021-2032.	2.3	172
169	New clinical and experimental approaches for studying tumor dormancy: does tumor dormancy offer a therapeutic target?. <i>Apmis</i> , 2008, 116, 552-568.	0.9	37
170	Colourful future for MRI. <i>Nature</i> , 2008, 453, 993-994.	13.7	11
171	Wrap "bake" peel process for nanostructural transformation from Fe^{2+} -FeOOH nanorods to biocompatible iron oxide nanocapsules. <i>Nature Materials</i> , 2008, 7, 242-247.	13.3	401
172	Nanomagnetic actuation of receptor-mediated signal transduction. <i>Nature Nanotechnology</i> , 2008, 3, 36-40.	15.6	285

#	ARTICLE	IF	CITATIONS
173	Special Cells, Special Considerations: The Challenges of Bringing Embryonic Stem Cells From the Laboratory to the Clinic. <i>Clinical Pharmacology and Therapeutics</i> , 2008, 83, 386-389.	2.3	12
174	Application of Nanotechnology in Cancer Therapy and Imaging. <i>Ca-A Cancer Journal for Clinicians</i> , 2008, 58, 97-110.	157.7	551
175	Imaging of primary human hepatocytes performed with micron-sized iron oxide particles and clinical magnetic resonance tomography. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1384-1394.	1.6	19
176	Nanocrystal Core High-Density Lipoproteins: A Multimodality Contrast Agent Platform. <i>Nano Letters</i> , 2008, 8, 3715-3723.	4.5	308
177	Contrast Agents: Magnetic Resonance. <i>Handbook of Experimental Pharmacology</i> , 2008, , 135-165.	0.9	96
178	Molecular MRI of hematopoietic stem-progenitor cells: in vivo monitoring of gene therapy and atherosclerosis. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008, 5, 396-404.	3.3	21
179	Efficient In Vitro Labeling of Human Neural Precursor Cells with Superparamagnetic Iron Oxide Particles: Relevance for In Vivo Cell Tracking. <i>Stem Cells</i> , 2008, 26, 505-516.	1.4	150
180	Migration of Neurotrophic Factors-Secreting Mesenchymal Stem Cells Toward a Quinolinic Acid Lesion as Viewed by Magnetic Resonance Imaging. <i>Stem Cells</i> , 2008, 26, 2542-2551.	1.4	72
181	Synthesis, Characterization, and <i>In Vitro</i> Testing of Superparamagnetic Iron Oxide Nanoparticles Targeted Using Folic Acid-Conjugated Dendrimers. <i>ACS Nano</i> , 2008, 2, 773-783.	7.3	163
182	Synthesis of Uniform Hollow Oxide Nanoparticles through Nanoscale Acid Etching. <i>Nano Letters</i> , 2008, 8, 4252-4258.	4.5	210
183	Molecular Imaging. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1661-1664.	1.2	17
184	Transcription MRI: A New View of the Living Brain. <i>Neuroscientist</i> , 2008, 14, 503-520.	2.6	10
185	Paramagnetic gold nanostructures for dual modal bioimaging and phototherapy of cancer cells. <i>Chemical Communications</i> , 2008, , 4930.	2.2	44
187	Hydrophilic Monodisperse Magnetic Nanoparticles Protected by an Amphiphilic Alternating Copolymer. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16809-16817.	1.5	59
189	Superparamagnetic Sub-5 nm Fe@C Nanoparticles: Isolation, Structure, Magnetic Properties, and Directed Assembly. <i>Nano Letters</i> , 2008, 8, 3761-3765.	4.5	38
190	Magnetite/poly(alkylcyanoacrylate) (core/shell) nanoparticles as 5-Fluorouracil delivery systems for active targeting. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 54-63.	2.0	82
191	Neuroimaging of Pain: Advances and Future Prospects. <i>Journal of Pain</i> , 2008, 9, 567-579.	0.7	27
192	Nanotechnology for regenerative medicine: nanomaterials for stem cell imaging. <i>Nanomedicine</i> , 2008, 3, 567-578.	1.7	200

#	ARTICLE	IF	CITATIONS
193	Cellular Magnetic Resonance Imaging: In Vivo Imaging of Melanoma Cells in Lymph Nodes of Mice. Neoplasia, 2008, 10, 207-216.	2.3	53
194	Cellular magnetic resonance imaging: potential for use in assessing aspects of cardiovascular disease. Cytotherapy, 2008, 10, 575-586.	0.3	21
195	Nanohybrids via a polycation-based nanoemulsion method for dual-mode detection of human mesenchymal stem cells. Journal of Materials Chemistry, 2008, 18, 4402.	6.7	12
196	Has Molecular and Cellular Imaging Enhanced Drug Discovery and Drug Development?. Drugs in R and D, 2008, 9, 351-368.	1.1	26
197	Size Dependent Coordination Behavior and Cation Distribution in MgAl ₂ O ₄ Nanoparticles from ²⁷ Al Solid State NMR Studies. Journal of Physical Chemistry C, 2008, 112, 14737-14744.	1.5	64
198	Real-time cardiac MRI without triggering, gating, or breath holding. , 2008, 2008, 3381-4.		32
199	Rational Design of Protein-Based MRI Contrast Agents. Journal of the American Chemical Society, 2008, 130, 9260-9267.	6.6	111
200	Stem cell labeling for magnetic resonance imaging. Minimally Invasive Therapy and Allied Technologies, 2008, 17, 132-142.	0.6	44
201	Development of Receptor Targeted Magnetic Iron Oxide Nanoparticles for Efficient Drug Delivery and Tumor Imaging. Journal of Biomedical Nanotechnology, 2008, 4, 439-449.	0.5	99
202	In vivo tracking of superparamagnetic iron oxide nanoparticle- ⁶⁴ labeled mesenchymal stem cell tropism to malignant gliomas using magnetic resonance imaging. Journal of Neurosurgery, 2008, 108, 320-329.	0.9	101
204	Multimodality nanotracers for cardiovascular applications. Nature Clinical Practice Cardiovascular Medicine, 2008, 5, S103-S111.	3.3	48
205	Small Animal Imaging with Magnetic Resonance Microscopy. ILAR Journal, 2008, 49, 35-53.	1.8	89
206	Cellular MRI and its role in stem cell therapy. Regenerative Medicine, 2008, 3, 199-215.	0.8	78
207	Quantitative ferromagnetic resonance analysis of <i>CD</i> ¹³³ stem cells labeled with iron oxide nanoparticles. Journal of Physics Condensed Matter, 2008, 20, 204150.	0.7	1
208	Molecular Imaging of Metastatic Potential. Journal of Nuclear Medicine, 2008, 49, 96S-112S.	2.8	55
210	Contrast Agents for Magnetic Resonance Imaging. , 2008, , 63-78.		0
211	Tracking Stem Cell Therapy in the Myocardium: Applications of Positron Emission Tomography. Current Pharmaceutical Design, 2008, 14, 3835-3853.	0.9	44
212	MR and Iron Magnetic Nanoparticles. Imaging Opportunities in Preclinical and Translational Research. Tumori, 2008, 94, 226-233.	0.6	33

#	ARTICLE	IF	CITATIONS
213	Thin-film superparamagnetic resonance in a Fe_3O_4 nanoparticle array. Journal of Applied Physics, 2008, 103, 07D510.	1.1	1
214	Targeted magnetic iron oxide nanoparticles for tumor imaging and therapy. International Journal of Nanomedicine, 2008, 3, 311.	3.3	308
216	In Vivo MR Imaging of Magnetically Labeled Mesenchymal Stem Cells in a Rat Model of Renal Ischemia. Korean Journal of Radiology, 2009, 10, 277.	1.5	10
217	Comparison of Superparamagnetic and Ultrasmall Superparamagnetic Iron Oxide Cell Labeling for Tracking Green Fluorescent Protein Gene Marker with Negative and Positive Contrast Magnetic Resonance Imaging. Molecular Imaging, 2009, 8, 7290.2009.00008.	0.7	19
218	Microfabricated multispectral MRI agents: A brief overview. , 2009, 2009, 4479-82.		0
219	Off-resonance saturation magnetic resonance imaging of superparamagnetic polymeric micelles. , 2009, 2009, 4095-7.		5
220	In Vivo MRI Cell Tracking: Clinical Studies. American Journal of Roentgenology, 2009, 193, 314-325.	1.0	388
223	Magnetic Resonance Imaging of Mesenchymal Stem Cells Homing to Pulmonary Metastases Using Biocompatible Magnetic Nanoparticles. Cancer Research, 2009, 69, 8862-8867.	0.4	187
224	Nanobiotechnology: Application of Nanotechnology in Therapeutics and Diagnosis. International Journal of Green Nanotechnology Biomedicine, 2009, 1, 24-38.	0.4	9
225	HDL as a contrast agent for medical imaging. Clinical Lipidology, 2009, 4, 493-500.	0.4	37
226	Combined Reporter Gene PET and Iron Oxide MRI for Monitoring Survival and Localization of Transplanted Cells in the Rat Heart. Journal of Nuclear Medicine, 2009, 50, 1088-1094.	2.8	110
227	Noninvasive Monitoring of Embryonic Stem Cells In Vivo with MRI Transgene Reporter. Tissue Engineering - Part C: Methods, 2009, 15, 739-747.	1.1	65
228	Tracking the migration of cardially delivered therapeutic stem cells in vivo: state of the art. Regenerative Medicine, 2009, 4, 407-422.	0.8	16
229	The fabrication of uniform cylindrical nanoshells and their use as spectrally tunable MRI contrast agents. Nanotechnology, 2009, 20, 385301.	1.3	40
230	Molecular Imaging and Quantitative Measurement of Epidermal Growth Factor Receptor Expression in Live Cancer Cells Using Immunolabeled Gold Nanoparticles. American Journal of Roentgenology, 2009, 192, 1021-1028.	1.0	41
231	Iron Oxide Based MR Contrast Agents: from Chemistry to Cell Labeling. Current Medicinal Chemistry, 2009, 16, 4712-4727.	1.2	88
232	<i>In vivo</i> Off-Resonance Saturation Magnetic Resonance Imaging of Fe_3O_4 -Targeted Superparamagnetic Nanoparticles. Cancer Research, 2009, 69, 1651-1658.	0.4	94
233	Glyconanoparticles allow pre-symptomatic in vivo imaging of brain disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18-23.	3.3	497

#	ARTICLE	IF	CITATIONS
234	In Vivo Imaging of Stem Cells and Beta Cells Using Direct Cell Labeling and Reporter Gene Methods. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1025-1030.	1.1	38
235	Contact activation of kallikrein-kinin system by superparamagnetic iron oxide nanoparticles in vitro and in vivo. <i>Journal of Controlled Release</i> , 2009, 140, 301-305.	4.8	41
236	Narrowband Magnetic Particle Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 1231-1237.	5.4	109
237	Designer Biomaterials for Nanomedicine. <i>Advanced Functional Materials</i> , 2009, 19, 3843-3854.	7.8	219
238	Inorganic Nanoparticles for MRI Contrast Agents. <i>Advanced Materials</i> , 2009, 21, 2133-2148.	11.1	1,597
239	Nonblinking and Nonbleaching Upconverting Nanoparticles as an Optical Imaging Nanoprobe and T1 Magnetic Resonance Imaging Contrast Agent. <i>Advanced Materials</i> , 2009, 21, 4467-4471.	11.1	548
242	Functional characterization of mesenchymal stem cells labeled with a novel PVP-coated superparamagnetic iron oxide. <i>Contrast Media and Molecular Imaging</i> , 2009, 4, 118-126.	0.4	23
243	<i>In vivo</i> visualization of transplanted pancreatic islets by MRI: comparison between <i>in vivo</i> , histological and electron microscopy findings. <i>Contrast Media and Molecular Imaging</i> , 2009, 4, 135-142.	0.4	32
244	Sensitivity of feedback-enhanced MRI contrast to macroscopic and microscopic field variations. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 925-936.	1.9	5
245	Feasibility of concurrent dual contrast enhancement using CEST contrast agents and superparamagnetic iron oxide particles. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 970-974.	1.9	33
246	The effect of hyperpolarized tracer concentration on myocardial uptake and metabolism. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1007-1014.	1.9	50
247	Three-dimensional, <i>in vivo</i> MRI with self-gating and image coregistration in the mouse. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1148-1157.	1.9	58
248	Self-refocused spatial-spectral pulse for positive contrast imaging of cells labeled with SPIO nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 183-192.	1.9	30
249	<i>In vivo</i> cytometry of antigen-specific t cells using ¹⁹ F MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 747-753.	1.9	142
250	Enhanced positive-contrast visualization of paramagnetic contrast agents using phase images. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1349-1355.	1.9	18
252	Hollow Manganese Oxide Nanoparticles as Multifunctional Agents for Magnetic Resonance Imaging and Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 321-324.	7.2	454
253	Critical Enhancements of MRI Contrast and Hyperthermic Effects by Dopant-Controlled Magnetic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1234-1238.	7.2	501
254	Long-Range, High-Resolution Magnetic Imaging of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5679-5682.	7.2	30

#	ARTICLE	IF	CITATIONS
255	<i>In Vivo</i> Morphological Changes in Animal Models of Amyotrophic Lateral Sclerosis and Alzheimer's-Like Disease: MRI Approach. <i>Anatomical Record</i> , 2009, 292, 1882-1892.	0.8	58
256	Measuring SPIO and Gd contrast agent magnetization using 3T MRI. <i>NMR in Biomedicine</i> , 2009, 22, 891-897.	1.6	15
257	Convection-enhanced delivery of nanocarriers for the treatment of brain tumors. <i>Biomaterials</i> , 2009, 30, 2302-2318.	5.7	262
258	Iron oxide core oil-in-water emulsions as a multifunctional nanoparticle platform for tumor targeting and imaging. <i>Biomaterials</i> , 2009, 30, 6947-6954.	5.7	103
259	Amphiphilic dextran/magnetite nanocomposites as magnetic resonance imaging probes. <i>Science Bulletin</i> , 2009, 54, 2925-2933.	1.7	15
260	Monitoring therapeutic response of human ovarian cancer to 17-DMAG by noninvasive PET imaging with 64Cu-DOTA-trastuzumab. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 1510-1519.	3.3	70
261	Microgel Iron Oxide Nanoparticles for Tracking Human Fetal Mesenchymal Stem Cells Through Magnetic Resonance Imaging. <i>Stem Cells</i> , 2009, 27, 1921-1931.	1.4	71
262	Magnetic quantum dots for multimodal imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 475-491.	3.3	76
263	<i>In vivo</i> visualization of macrophage infiltration and activity in inflammation using magnetic resonance imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 272-298.	3.3	59
264	Magnetic resonance relaxation properties of superparamagnetic particles. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 299-310.	3.3	232
265	Discrepancies between the fate of myoblast xenograft in mouse leg muscle and NMR label persistency after loading with Gd-DTPA or SPIOs. <i>Gene Therapy</i> , 2009, 16, 734-745.	2.3	25
266	Transient Widespread Blood-Brain Barrier Alterations after Cerebral Photothrombosis as Revealed by Gadofluorine M-Enhanced Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 331-341.	2.4	62
267	In vivo magnetic enrichment and multiplex photoacoustic detection of circulating tumour cells. <i>Nature Nanotechnology</i> , 2009, 4, 855-860.	15.6	544
268	Dendritic cell vaccination and immune monitoring. <i>ISBT Science Series</i> , 2009, 4, 18-23.	1.1	0
269	Superparamagnetic iron oxide nanoparticles-loaded chitosan-linoleic acid nanoparticles as an effective hepatocyte-targeted gene delivery system. <i>International Journal of Pharmaceutics</i> , 2009, 372, 169-176.	2.6	68
270	Superparamagnetic iron oxide does not affect the viability and function of adipose-derived stem cells, and superparamagnetic iron oxide-enhanced magnetic resonance imaging identifies viable cells. <i>Magnetic Resonance Imaging</i> , 2009, 27, 108-119.	1.0	45
271	Differential proteomics analysis of the surface heterogeneity of dextran iron oxide nanoparticles and the implications for their in vivo clearance. <i>Biomaterials</i> , 2009, 30, 3926-3933.	5.7	148
272	The MRI assessment of intraurethrally delivered muscle precursor cells using anionic magnetic nanoparticles. <i>Biomaterials</i> , 2009, 30, 6920-6928.	5.7	18

#	ARTICLE	IF	CITATIONS
273	Magnetic Tagging Increases Delivery of Circulating Progenitors in Vascular Injury. JACC: Cardiovascular Interventions, 2009, 2, 794-802.	1.1	124
274	Environment-sensitive stabilisation of silver nanoparticles in aqueous solutions. Journal of Colloid and Interface Science, 2009, 339, 317-324.	5.0	11
275	Magnetic resonance imaging of cells in experimental disease models. Progress in Nuclear Magnetic Resonance Spectroscopy, 2009, 55, 61-77.	3.9	42
276	Effect of different magnetic nanoparticle coatings on the efficiency of stem cell labeling. Journal of Magnetism and Magnetic Materials, 2009, 321, 1539-1547.	1.0	53
277	Synthesis of carboxyl superparamagnetic ultrasmall iron oxide (USPIO) nanoparticles by a novel flocculation-redisperse process. Journal of Magnetism and Magnetic Materials, 2009, 321, 2663-2669.	1.0	9
278	Magnetic nanocomposites of Fe ₃ O ₄ /SiO ₂ -FITC with pH-dependent fluorescence emission. Chinese Chemical Letters, 2009, 20, 969-972.	4.8	26
279	Manganese ferrite nanoparticle micellar nanocomposites as MRI contrast agent for liver imaging. Biomaterials, 2009, 30, 2919-2928.	5.7	325
280	Magnetic targeting of iron-oxide-labeled fluorescent hepatoma cells to the liver. European Radiology, 2009, 19, 1087-1096.	2.3	28
281	Multifunctional magnetic nanoparticles for medical imaging applications. Journal of Materials Chemistry, 2009, 19, 6258.	6.7	277
282	Sensitive and efficient detection of thrombus with fibrin-specific manganese nanocolloids. Chemical Communications, 2009, , 3234.	2.2	48
283	Multifunctional nanoparticles for imaging, delivery and targeting in cancer therapy. Expert Opinion on Drug Delivery, 2009, 6, 865-878.	2.4	263
284	A Highly Effective, Nontoxic T_1 MR Contrast Agent Based on Ultrasmall PEGylated Iron Oxide Nanoparticles. Nano Letters, 2009, 9, 4434-4440.	4.5	385
285	Responsive MRI Agents for Sensing Metabolism <i>in Vivo</i> . Accounts of Chemical Research, 2009, 42, 948-957.	7.6	243
286	(Carboxymethyl)chitosan-Modified Superparamagnetic Iron Oxide Nanoparticles for Magnetic Resonance Imaging of Stem Cells. ACS Applied Materials & Interfaces, 2009, 1, 328-335.	4.0	100
287	Characterization of Scaffolds for Tissue Engineering by Benchtop-Magnetic Resonance Imaging. Tissue Engineering - Part C: Methods, 2009, 15, 513-521.	1.1	29
288	Formation of a Three-Dimensional Multicellular Assembly Using Magnetic Patterning. Langmuir, 2009, 25, 2348-2354.	1.6	55
289	Multiplexed Imaging of Therapeutic Cells with Multispectrally Encoded Magnetofluorescent Nanocomposite Emulsions. Journal of the American Chemical Society, 2009, 131, 17145-17154.	6.6	58
290	High-Relaxivity Gadolinium-Modified High-Density Lipoproteins as Magnetic Resonance Imaging Contrast Agents. Journal of Physical Chemistry B, 2009, 113, 6283-6289.	1.2	62

#	ARTICLE	IF	CITATIONS
291	Hybrid Lanthanide Nanoparticles with Paramagnetic Shell Coated on Upconversion Fluorescent Nanocrystals. <i>Langmuir</i> , 2009, 25, 12015-12018.	1.6	86
292	<i>In vivo</i> tracking of cellular therapeutics using magnetic resonance imaging. <i>Expert Opinion on Biological Therapy</i> , 2009, 9, 293-306.	1.4	65
293	Detection and quantification of magnetically labeled cells by cellular MRI. <i>European Journal of Radiology</i> , 2009, 70, 258-264.	1.2	166
294	Efficient labeling of mesenchymal stem cells using cell permeable magnetic nanoparticles. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 669-675.	1.0	47
295	Cell labeling and tracking for experimental models using Magnetic Resonance Imaging. <i>Methods</i> , 2009, 48, 112-124.	1.9	101
296	Neuroimaging As a Basis for Rational Stem Cell Therapy. <i>Pediatric Neurology</i> , 2009, 40, 227-236.	1.0	22
297	Synthesis of monodisperse magnetite nanoparticles via chitosan-poly(acrylic acid) template and their application in MRI. <i>Journal of Alloys and Compounds</i> , 2009, 473, 356-362.	2.8	57
298	Labeling of stem cells with monocrystalline iron oxide for tracking and localization by magnetic resonance imaging. <i>Microvascular Research</i> , 2009, 78, 132-139.	1.1	24
299	MRI tracking of intravenously transplanted human neural stem cells in rat focal ischemia model. <i>Neuroscience Research</i> , 2009, 64, 235-239.	1.0	50
300	Magnetically modulated nanosystems: a unique drug-delivery platform. <i>Nanomedicine</i> , 2009, 4, 799-812.	1.7	58
301	Magnetovaccination as a Novel Method to Assess and Quantify Dendritic Cell Tumor Antigen Capture and Delivery to Lymph Nodes. <i>Cancer Research</i> , 2009, 69, 3180-3187.	0.4	83
302	Multifunctional nanostructured materials for multimodal imaging, and simultaneous imaging and therapy. <i>Chemical Society Reviews</i> , 2009, 38, 372-390.	18.7	981
303	Superparamagnetic Hybrid Micelles, Based on Iron Oxide Nanoparticles and Well-Defined Diblock Copolymers Possessing β -Ketoester Functionalities. <i>Biomacromolecules</i> , 2009, 10, 2662-2671.	2.6	49
304	Well-Defined, Multifunctional Nanostructures of a Paramagnetic Lipid and a Lipopeptide for Macrophage Imaging. <i>Journal of the American Chemical Society</i> , 2009, 131, 406-407.	6.6	28
305	Nanostructured T1 MRI contrast agents. <i>Journal of Materials Chemistry</i> , 2009, 19, 6267.	6.7	233
306	Noninvasive Cardiovascular Imaging Techniques for Basic Science Research: Application to Cellular Therapeutics. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2009, 62, 918-927.	0.4	4
307	Rat model of metastatic breast cancer monitored by MRI at 3 tesla and bioluminescence imaging with histological correlation. <i>Journal of Translational Medicine</i> , 2009, 7, 88.	1.8	52
308	Nanoparticulate Assemblies of Amphiphiles and Diagnostically Active Materials for Multimodality Imaging. <i>Accounts of Chemical Research</i> , 2009, 42, 904-914.	7.6	244

#	ARTICLE	IF	CITATIONS
309	Synthesis of Uniform Ferrimagnetic Magnetite Nanocubes. Journal of the American Chemical Society, 2009, 131, 454-455.	6.6	434
310	Effect of Nanoparticle and Aggregate Size on the Relaxometric Properties of MR Contrast Agents Based on High Quality Magnetite Nanoparticles. Journal of Physical Chemistry B, 2009, 113, 7033-7039.	1.2	131
311	Easy Route to Functionalize Iron Oxide Nanoparticles via Long-Term Stable Thiol Groups. Langmuir, 2009, 25, 8857-8859.	1.6	49
313	Multifunctional perfluorocarbon nanoemulsions for ¹⁹ F-based magnetic resonance and near-infrared optical imaging of dendritic cells. Chemical Communications, 2009, , 6952.	2.2	22
314	Magnetic source MRI: A new quantitative imaging of magnetic biomarkers. , 2009, 2009, 53-6.		7
315	Targeting exofacial protein thiols with GdIII complexes. An efficient procedure for MRI cell labelling. Chemical Communications, 2009, , 893.	2.2	20
316	Colloidal particles composed of amphiphilic molecules binding gadolinium complexes and peptides as tumor-specific contrast agents in MRI: physico-chemical characterization. Soft Matter, 2009, , .	1.2	2
317	Surface attached manganese-oxo clusters as potential contrast agents. Chemical Communications, 2009, , 788.	2.2	24
318	Relaxation times of colloidal iron platinum in polymer matrixes. Journal of Materials Chemistry, 2009, 19, 6381.	6.7	19
319	Synthesis of colloidal aqueous suspensions of a layered gadolinium hydroxide: a potential MRI contrast agent. Dalton Transactions, 2009, , 2490.	1.6	84
321	In vivo MRI of endogenous stem/progenitor cell migration from subventricular zone in normal and injured developing brains. NeuroImage, 2009, 48, 319-328.	2.1	39
322	Toxicity of therapeutic nanoparticles. Nanomedicine, 2009, 4, 219-241.	1.7	79
323	Magnetic Nanoparticles for Early Detection of Cancer by Magnetic Resonance Imaging. MRS Bulletin, 2009, 34, 441-448.	1.7	61
325	Various-Shaped Uniform Mn ₃ O ₄ Nanocrystals Synthesized at Low Temperature in Air Atmosphere. Chemistry of Materials, 2009, 21, 2272-2279.	3.2	135
327	Superparamagnetic iron oxide nanoparticle-labeled cells as an effective vehicle for tracking the GFP gene marker using magnetic resonance imaging. Cytotherapy, 2009, 11, 43-51.	0.3	21
328	Ultrasmall, Water-Soluble Magnetite Nanoparticles with High Relaxivity for Magnetic Resonance Imaging. Journal of Physical Chemistry C, 2009, 113, 20855-20860.	1.5	133
329	Receptor-Targeted Nanoparticles for <i>In vivo</i> Imaging of Breast Cancer. Clinical Cancer Research, 2009, 15, 4722-4732.	3.2	210
330	Use of Magnetic Resonance Imaging Contrast Agents to Detect Transplanted Liver Cells. Topics in Magnetic Resonance Imaging, 2009, 20, 113-120.	0.7	14

#	ARTICLE	IF	CITATIONS
331	Behavior of immune players in the tumor microenvironment. <i>Current Opinion in Oncology</i> , 2009, 21, 53-59.	1.1	71
332	Effects of MRI Contrast Agents on the Stem Cell Phenotype. <i>Cell Transplantation</i> , 2010, 19, 919-936.	1.2	76
333	Susceptibility gradient quantization by MRI signal response mapping (SIRMA) to dephaser. <i>Medical Physics</i> , 2010, 37, 877-884.	1.6	9
334	Magnetic nanoparticles: biomedical applications and challenges. <i>Journal of Materials Chemistry</i> , 2010, 20, 8760.	6.7	350
335	Accelerated stem cell labeling with ferucarbotran and protamine. <i>European Radiology</i> , 2010, 20, 640-648.	2.3	20
336	Recent advances in surface engineering of superparamagnetic iron oxide nanoparticles for biomedical applications. <i>Journal of the Iranian Chemical Society</i> , 2010, 7, S1-S27.	1.2	93
337	Modified natural nanoparticles as contrast agents for medical imaging. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 329-338.	6.6	165
338	Self-Confirming AND-Logic Nanoparticles for Fault-Free MRI. <i>Journal of the American Chemical Society</i> , 2010, 132, 11015-11017.	6.6	270
339	Engineered Biocompatible Nanoparticles for <i>in Vivo</i> Imaging Applications. <i>Journal of the American Chemical Society</i> , 2010, 132, 15022-15029.	6.6	92
340	EGFRvIII Antibody-Conjugated Iron Oxide Nanoparticles for Magnetic Resonance Imaging-Guided Convection-Enhanced Delivery and Targeted Therapy of Glioblastoma. <i>Cancer Research</i> , 2010, 70, 6303-6312.	0.4	377
341	$\mu\text{-Fe}_2\text{O}_3$: An Advanced Nanomaterial Exhibiting Giant Coercive Field, Millimeter-Wave Ferromagnetic Resonance, and Magnetoelectric Coupling. <i>Chemistry of Materials</i> , 2010, 22, 6483-6505.	3.2	276
342	The use of microgel iron oxide nanoparticles in studies of magnetic resonance relaxation and endothelial progenitor cell labelling. <i>Biomaterials</i> , 2010, 31, 3296-3306.	5.7	46
343	Polymer-assisted nanoparticulate contrast-enhancing materials. <i>Science China Chemistry</i> , 2010, 53, 479-486.	4.2	3
344	Molecular imaging of tumor angiogenesis using RGD-labeled iron oxide nanoparticles. <i>Science Bulletin</i> , 2010, 55, 2662-2670.	1.7	3
345	Development of a Three-Dimensional In Vitro Model for Longitudinal Observation of Cell Behavior: Monitoring by Magnetic Resonance Imaging and Optical Imaging. <i>Molecular Imaging and Biology</i> , 2010, 12, 367-376.	1.3	13
346	PEG-Functionalized Magnetic Nanoparticles for Drug Delivery and Magnetic Resonance Imaging Applications. <i>Pharmaceutical Research</i> , 2010, 27, 2283-2295.	1.7	168
347	Dynamics of Magnetic Nanoparticle-Based Contrast Agents in Tissues Tracked Using Magnetomotive Optical Coherence Tomography. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 691-697.	1.9	19
348	Tracking of myelin-reactive T cells in experimental autoimmune encephalomyelitis (EAE) animals using small particles of iron oxide and MRI. <i>NMR in Biomedicine</i> , 2010, 23, 601-609.	1.6	19

#	ARTICLE	IF	CITATIONS
349	Functional MRI characterization of isolated human islet activation. <i>NMR in Biomedicine</i> , 2010, 23, 1158-1165.	1.6	23
350	MR imaging for the longevity of mesenchymal stem cells labeled with poly(L-lysine)-Resovist complexes. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 53-58.	0.4	19
351	Bifunctional Eu ³⁺ -doped Gd ₂ O ₃ nanoparticles as a luminescent and T ₁ contrast agent for stem cell labeling. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 105-111.	0.4	35
352	NMR relaxation and magnetic properties of superparamagnetic nanoworms. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 318-322.	0.4	24
353	Preparation of Uniform, Water-Soluble, and Multifunctional Nanocomposites with Tunable Sizes. <i>Advanced Functional Materials</i> , 2010, 20, 773-780.	7.8	78
354	Magnetic Nanocomposite Spheres Decorated with NiO Nanoparticles for a Magnetically Recyclable Protein Separation System. <i>Advanced Materials</i> , 2010, 22, 57-60.	11.1	147
355	Synthesis, Functionalization, and Biomedical Applications of Multifunctional Magnetic Nanoparticles. <i>Advanced Materials</i> , 2010, 22, 2729-2742.	11.1	1,260
358	Reaction-Diffusion Systems in Intracellular Molecular Transport and Control. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4170-4198.	7.2	155
359	lacZ as a genetic reporter for real-time MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 745-753.	1.9	30
360	Positive contrast with alternating repetition time SSFP (PARTS): A fast imaging technique for SPIO-labeled cells. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 427-437.	1.9	28
361	Gene expression profiling reveals early cellular responses to intracellular magnetic labeling with superparamagnetic iron oxide nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1031-1043.	1.9	99
362	Intracellular bimodal nanoparticles based on quantum dots for high-field MRI at 21.1 T. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 871-882.	1.9	35
363	Synthesis of magnetic and fluorescent multifunctional hollow silica nanocomposites for live cell imaging. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 90-98.	5.0	57
364	Unambiguous identification of superparamagnetic iron oxide particles through quantitative susceptibility mapping of the nonlinear response to magnetic fields. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1383-1389.	1.0	57
365	Tracking of transplanted mesenchymal stem cells labeled with fluorescent magnetic nanoparticle in liver cirrhosis rat model with 3-T MRI. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1004-1013.	1.0	39
366	Nanoparticles functionalised with recombinant single chain Fv antibody fragments (scFv) for the magnetic resonance imaging of cancer cells. <i>Biomaterials</i> , 2010, 31, 1307-1315.	5.7	68
367	Dual drug loaded superparamagnetic iron oxide nanoparticles for targeted cancer therapy. <i>Biomaterials</i> , 2010, 31, 3694-3706.	5.7	359
368	Superparamagnetic iron oxide Loaded poly (lactic acid)-d- α -tocopherol polyethylene glycol 1000 succinate copolymer nanoparticles as MRI contrast agent. <i>Biomaterials</i> , 2010, 31, 5588-5597.	5.7	103

#	ARTICLE	IF	CITATIONS
369	Multifunctional imaging nanoprobes. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 138-150.	3.3	66
370	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.	0.7	24
371	Carbon-covered magnetic nanomaterials and their application for the thermolysis of cancer cells. International Journal of Nanomedicine, 2010, 5, 167.	3.3	31
372	Cell Labeling with a Novel Contrast Agent of Magnetic Resonance Imaging. Cell Transplantation, 2010, 19, 887-892.	1.2	9
373	Combined PET/MR Imaging " Technology and Applications. Technology in Cancer Research and Treatment, 2010, 9, 5-20.	0.8	60
374	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.	4.9	806
375	In vivo magnetomotive optical molecular imaging using targeted magnetic nanoprobes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8085-8090.	3.3	113
376	Molecular MRI for sensitive and specific detection of lung metastases. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3693-3697.	3.3	84
377	Polymeric/inorganic nanocomposites: fabrication and applications in multiple bioimaging. , 2010, , 638-e697.		2
378	Liver and brain imaging through dimercaptosuccinic acid-coated iron oxide nanoparticles. Nanomedicine, 2010, 5, 397-408.	1.7	64
379	Poly (N-Isopropylacrylamide)-Coated Multifunctional Nanoparticles for Cell Tracking. Photomedicine and Laser Surgery, 2010, 28, 201-205.	2.1	9
380	Stem Cell Tracking by Nanotechnologies. International Journal of Molecular Sciences, 2010, 11, 1070-1081.	1.8	63
381	Magnetic labeling, imaging and manipulation of endothelial progenitor cells using iron oxide nanoparticles. Future Medicinal Chemistry, 2010, 2, 397-408.	1.1	31
382	In vivo labelling of resting monocytes in the reticuloendothelial system with fluorescent iron oxide nanoparticles prior to injury reveals that they are mobilized to infarcted myocardium. European Heart Journal, 2010, 31, 1410-1420.	1.0	37
383	Homologous RBC-derived vesicles as ultrasmall carriers of iron oxide for magnetic resonance imaging of stem cells. Nanotechnology, 2010, 21, 235103.	1.3	32
384	MR-Based Molecular Imaging of the Brain: The Next Frontier. American Journal of Neuroradiology, 2010, 31, 1577-1583.	1.2	12
385	MR Imaging of Iron Phagocytosis in Intraluminal Thrombi of Abdominal Aortic Aneurysms in Humans. Radiology, 2010, 254, 973-981.	3.6	56
387	Microfluidic Synthesis of Polymer and Inorganic Particulate Materials. Annual Review of Materials Research, 2010, 40, 415-443.	4.3	194

#	ARTICLE	IF	CITATIONS
388	Human serum albumin coated iron oxide nanoparticles for efficient cell labeling. <i>Chemical Communications</i> , 2010, 46, 433-435.	2.2	112
389	Magnetic carbon nanotube labelling for haematopoietic stem/progenitor cell tracking. <i>Nanotechnology</i> , 2010, 21, 155101.	1.3	35
390	A simple method to synthesize multifunctional silica nanocomposites, NPs@SiO ₂ , using polyvinylpyrrolidone (PVP) as a mediator. <i>Journal of Materials Chemistry</i> , 2010, 20, 5533.	6.7	28
391	Modified Kirkendall effect for fabrication of magnetic nanotubes. <i>Chemical Communications</i> , 2010, 46, 1899-1901.	2.2	38
392	Human hepatocyte transplantation: current experience and future challenges. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2010, 7, 288-298.	8.2	307
393	Development and use of iron oxide nanoparticles (Part 1): Synthesis of iron oxide nanoparticles for MRI. <i>Biomedical Imaging and Intervention Journal</i> , 2010, 6, e12.	0.5	149
394	Bioinspired Synthesis and Characterization of Gadolinium-Labeled Magnetite Nanoparticles for Dual Contrast T ₁ - and T ₂ -Weighted Magnetic Resonance Imaging. <i>Bioconjugate Chemistry</i> , 2010, 21, 505-512.	1.8	181
395	Facile scalable synthesis of magnetite nanocrystals embedded in carbon matrix as superior anode materials for lithium-ion batteries. <i>Chemical Communications</i> , 2010, 46, 118-120.	2.2	192
396	Water-soluble magnetic glyconanoparticles based on metal-doped ferrites coated with gold: Synthesis and characterization. <i>Journal of Materials Chemistry</i> , 2010, 20, 10010.	6.7	43
397	Shape-Controlled Synthesis and Magnetic Properties of Monodisperse Fe ₃ O ₄ Nanocubes. <i>Crystal Growth and Design</i> , 2010, 10, 2888-2894.	1.4	113
398	Hydrophilization of Magnetic Nanoparticles with Modified Alternating Copolymers. Part 1: The Influence of the Grafting. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21900-21907.	1.5	38
399	Preparation for Highly Sensitive MRI Contrast Agents Using Core/Shell Type Nanoparticles Consisting of Multiple SPIO Cores with Thin Silica Coating. <i>Langmuir</i> , 2010, 26, 11759-11762.	1.6	56
400	Polymer-Stabilized Lanthanide Fluoride Nanoparticle Aggregates as Contrast Agents for Magnetic Resonance Imaging and Computed Tomography. <i>Chemistry of Materials</i> , 2010, 22, 4728-4739.	3.2	114
401	High-Resolution 1.5-Tesla Magnetic Resonance Imaging for Tissue-Engineered Constructs: A Noninvasive Tool to Assess Three-Dimensional Scaffold Architecture and Cell Seeding. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 185-200.	1.1	38
402	Exofacial Protein Thiols as a Route for the Internalization of Gd(III)-Based Complexes for Magnetic Resonance Imaging Cell Labeling. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4877-4890.	2.9	46
403	Magnetic iron oxide nanoparticles for biomedical applications. <i>Future Medicinal Chemistry</i> , 2010, 2, 427-449.	1.1	158
404	Ultra-small gadolinium oxide nanoparticles to image brain cancer cells <i>in vivo</i> with MRI. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 209-218.	0.4	84
405	Imaging approaches for the study of cell-based cardiac therapies. <i>Nature Reviews Cardiology</i> , 2010, 7, 97-105.	6.1	29

#	ARTICLE	IF	CITATIONS
406	Synthesis of magnetic iron and iron oxide micrometre-sized composite particles of narrow size distribution by annealing iron salts entrapped within uniform porous poly(divinylbenzene) microspheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 1899.	6.7	27
407	Simple PEG Conjugation of SPIO via an Au~S Bond Improves Its Tumor Targeting Potency as a Novel MR Tumor Imaging Agent. <i>Bioconjugate Chemistry</i> , 2010, 21, 1026-1031.	1.8	28
408	Nanotechnology and MRI contrast enhancement. <i>Future Medicinal Chemistry</i> , 2010, 2, 491-502.	1.1	70
409	Functional assessment of human dendritic cells labeled for in vivo 19F magnetic resonance imaging cell tracking. <i>Cytotherapy</i> , 2010, 12, 238-250.	0.3	87
410	Superparamagnetic iron oxide nanoparticles may affect endothelial progenitor cell migration ability and adhesion capacity. <i>Cytotherapy</i> , 2010, 12, 251-259.	0.3	48
411	Dual contrast magnetic resonance imaging tracking of iron-labeled cells in vivo. <i>Cytotherapy</i> , 2010, 12, 859-869.	0.3	11
412	Uniform Mesoporous Dye-Doped Silica Nanoparticles Decorated with Multiple Magnetite Nanocrystals for Simultaneous Enhanced Magnetic Resonance Imaging, Fluorescence Imaging, and Drug Delivery. <i>Journal of the American Chemical Society</i> , 2010, 132, 552-557.	6.6	687
413	A novel functional CT contrast agent for molecular imaging of cancer. <i>Physics in Medicine and Biology</i> , 2010, 55, 4389-4397.	1.6	73
414	Magnetic nanoparticles for magnetic resonance imaging: modulation of macrophage uptake by controlled PEGylation of the surface coating. <i>Journal of Materials Chemistry</i> , 2010, 20, 8512.	6.7	38
415	Fabrication and characterization of magnetic mesoporous silica nanospheres covalently bonded with europium complex. <i>Dalton Transactions</i> , 2010, 39, 5166.	1.6	15
416	<i>In vivo</i> molecular imaging using nanomaterials: General <i>in vivo</i> characteristics of nano-sized reagents and applications for cancer diagnosis (Review). <i>Molecular Membrane Biology</i> , 2010, 27, 274-285.	2.0	65
417	Effects of coating on magnetic properties in iron oxide nanoparticles. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072012.	0.3	12
418	Dual purpose Prussian blue nanoparticles for cellular imaging and drug delivery: a new generation of T1-weighted MRI contrast and small molecule delivery agents. <i>Journal of Materials Chemistry</i> , 2010, 20, 5251.	6.7	223
419	Functionalized, Biocompatible Coating for Superparamagnetic Nanoparticles by Controlled Polymerization of a Thioglycosidic Monomer. <i>Biomacromolecules</i> , 2011, 12, 681-691.	2.6	58
420	Dual imaging probes for magnetic resonance imaging and fluorescence microscopy based on perovskite manganite nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 157-164.	6.7	35
421	Nucleic acid delivery using magnetic nanoparticles: the Magnetofection™ technology. <i>Therapeutic Delivery</i> , 2011, 2, 471-482.	1.2	27
422	Large-Scale Synthesis of Bioinert Tantalum Oxide Nanoparticles for X-ray Computed Tomography Imaging and Bimodal Image-Guided Sentinel Lymph Node Mapping. <i>Journal of the American Chemical Society</i> , 2011, 133, 5508-5515.	6.6	316
423	Synthesis and Characterization of Magnetic Poly(divinyl benzene)/Fe ₃ O ₄ , C/Fe ₃ O ₄ /Fe, and C/Fe Onionlike Fullerene Micrometer-Sized Particles with a Narrow Size Distribution. <i>Langmuir</i> , 2011, 27, 11071-11080.	1.6	8

#	ARTICLE	IF	CITATIONS
424	A Versatile and Tunable Coating Strategy Allows Control of Nanocrystal Delivery to Cell Types in the Liver. <i>Bioconjugate Chemistry</i> , 2011, 22, 353-361.	1.8	36
425	Solventless thermal decomposition of ferrocene as a new approach for the synthesis of porous superparamagnetic and ferromagnetic composite microspheres of narrow size distribution. <i>Journal of Materials Chemistry</i> , 2011, 21, 15764.	6.7	28
427	Biologically Optimized Nanosized Molecules and Particles: More than Just Size. <i>Bioconjugate Chemistry</i> , 2011, 22, 993-1000.	1.8	149
428	Magnetoliposomes as multimodal contrast agents for molecular imaging and cancer nanotheragnostics. <i>Nanomedicine</i> , 2011, 6, 529-544.	1.7	86
429	Gd-EOB-DTPA Enhanced Micro-MR Imaging of Hepatic Tumors in H-ras 12V Transgenic Mice. <i>Academic Radiology</i> , 2011, 18, 13-19.	1.3	4
430	Transformation of hydrophobic iron oxide nanoparticles to hydrophilic and biocompatible maghemite nanocrystals for use as highly efficient MRI contrast agent. <i>Journal of Materials Chemistry</i> , 2011, 21, 11472.	6.7	49
431	Targeted magnetic hyperthermia. <i>Therapeutic Delivery</i> , 2011, 2, 815-838.	1.2	33
432	NIR-emitting fluorescent gold nanoclusters doped in silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 2974.	6.7	87
433	Magnetic Nanoparticles for Diagnosis and Medical Therapy. , 2011, , 85-95.		1
434	Nuclear Magnetic Resonance Spectroscopy and Imaging of Carbon Nanotubes. , 2011, , 125-150.		0
435	Peptide functionalized superparamagnetic iron oxide nanoparticles as MRI contrast agents. <i>Journal of Materials Chemistry</i> , 2011, 21, 15157.	6.7	42
436	Probing the Chemical Stability of Mixed Ferrites: Implications for Magnetic Resonance Contrast Agent Design. <i>Chemistry of Materials</i> , 2011, 23, 2657-2664.	3.2	68
437	Synthesis of magnetic, fluorescent and mesoporous core-shell-structured nanoparticles for imaging, targeting and photodynamic therapy. <i>Journal of Materials Chemistry</i> , 2011, 21, 11244.	6.7	101
439	Poly(<i>N</i> -isopropylacrylamide)-Coated Superparamagnetic Iron Oxide Nanoparticles: Relaxometric and Fluorescence Behavior Correlate to Temperature-Dependent Aggregation. <i>Chemistry of Materials</i> , 2011, 23, 3348-3356.	3.2	57
440	Noninvasive MRI-SERS Imaging in Living Mice Using an Innately Bimodal Nanomaterial. <i>ACS Nano</i> , 2011, 5, 1056-1066.	7.3	98
441	Large-Scale Synthesis of Uniform and Extremely Small-Sized Iron Oxide Nanoparticles for High-Resolution ¹ T ₁ Magnetic Resonance Imaging Contrast Agents. <i>Journal of the American Chemical Society</i> , 2011, 133, 12624-12631.	6.6	835
442	Carbon Nanotubes for Biomedical Applications. <i>Carbon Nanostructures</i> , 2011, , .	0.1	28
444	Cancer Stem Cells in Solid Tumors. , 2011, , .		7

#	ARTICLE	IF	CITATIONS
445	Water-Dispersible Sugar-Coated Iron Oxide Nanoparticles. An Evaluation of their Relaxometric and Magnetic Hyperthermia Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 10459-10472.	6.6	236
446	MR Imaging of Transplanted Stem Cells in Myocardial Infarction. <i>Methods in Molecular Biology</i> , 2011, 680, 141-152.	0.4	24
447	Viable methodologies for the synthesis of high-quality nanostructures. <i>Green Chemistry</i> , 2011, 13, 482.	4.6	133
448	Hepatocyte Transplantation. <i>Journal of Clinical and Experimental Hepatology</i> , 2011, 1, 109-114.	0.4	10
449	Nanoparticles for cell labeling. <i>Nanoscale</i> , 2011, 3, 142-153.	2.8	181
450	Nanoparticles by Decomposition of Long Chain Iron Carboxylates: From Spheres to Stars and Cubes. <i>Langmuir</i> , 2011, 27, 3044-3050.	1.6	72
451	Nano-sensitizers for multi-modality optical diagnostic imaging and therapy of cancer. , 2011, , ,		1
452	Hybrid Magnetic Nanoparticles for Targeted Delivery. , 2011, , 575-593.		2
454	Investigation of <i>In Vivo</i> Targeting Kinetics of Fe^{2+} -Specific Superparamagnetic Nanoprobes by Time-Resolved MRI. <i>Theranostics</i> , 2011, 1, 263-273.	4.6	36
455	Carbon Nanotube-Mediated Labelling Platforms for Stem Cells. , 0, ,		1
456	Mechanism of Cellular Uptake and Impact of Ferucarbotran on Macrophage Physiology. <i>PLoS ONE</i> , 2011, 6, e25524.	1.1	45
457	In Vivo Imaging of Stepwise Vessel Occlusion in Cerebral Photothrombosis of Mice by 19F MRI. <i>PLoS ONE</i> , 2011, 6, e28143.	1.1	27
458	Multimodality Imaging of Endothelial Progenitor Cells with a Novel Multifunctional Probe Featuring Positive Magnetic Resonance Contrast and Near-Infrared Fluorescence. <i>Molecular Imaging</i> , 2011, 10, 7290.2010.00055.	0.7	5
459	Use of a Clinically Approved Iron Oxide MRI Contrast Agent to Label Human Hepatocytes. <i>Cell Transplantation</i> , 2011, 20, 963-976.	1.2	42
460	Molecular Imaging Probe Development Using Microfluidics. <i>Current Organic Synthesis</i> , 2011, 8, 473-487.	0.7	14
461	Spatio-temporal dynamics, differentiation and viability of human neural stem cells after implantation into neonatal rat brain. <i>European Journal of Neuroscience</i> , 2011, 34, 382-393.	1.2	38
462	Evaluation of the specificity and sensitivity of ferritin as an MRI reporter gene in the mouse brain using lentiviral and adeno-associated viral vectors. <i>Gene Therapy</i> , 2011, 18, 594-605.	2.3	63
463	Phase gradient imaging for positive contrast generation to superparamagnetic iron oxide nanoparticle-labeled targets in magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2011, 29, 891-898.	1.0	12

#	ARTICLE	IF	CITATIONS
464	High MR sensitive fluorescent magnetite nanocluster for stem cell tracking in ischemic mouse brain. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 1009-1019.	1.7	53
465	Inorganic nanoparticles for cancer imaging and therapy. <i>Journal of Controlled Release</i> , 2011, 155, 344-357.	4.8	506
466	Facile synthesis of ultrasmall PEGylated iron oxide nanoparticles for dual-contrast T ₁ - and T ₂ -weighted magnetic resonance imaging. <i>Nanotechnology</i> , 2011, 22, 245604.	1.3	126
467	Comparative Study of the Magnetic Behavior of Spherical and Cubic Superparamagnetic Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 327-334.	1.5	119
468	Engineered nanoparticles for biomolecular imaging. <i>Nanoscale</i> , 2011, 3, 3007.	2.8	246
469	Magnetic resonance imaging probes for labeling of chondrocyte cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 601-606.	1.7	22
470	Synthesis, characterization, and in vitro biological evaluation of highly stable diversely functionalized superparamagnetic iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4173-4188.	0.8	30
471	Direct Labeling of hMSC with SPIO: the Long-Term Influence on Toxicity, Chondrogenic Differentiation Capacity, and Intracellular Distribution. <i>Molecular Imaging and Biology</i> , 2011, 13, 443-451.	1.3	55
472	Characterization of the Inflammatory Response in a Photothrombotic Stroke Model by MRI: Implications for Stem Cell Transplantation. <i>Molecular Imaging and Biology</i> , 2011, 13, 663-671.	1.3	27
473	In Vivo MRI Tracking of Cell Invasion and Migration in a Rat Glioma Model. <i>Molecular Imaging and Biology</i> , 2011, 13, 695-701.	1.3	25
474	Sapoin C Coupled Lipid Nanovesicles Enable Cancer-Selective Optical and Magnetic Resonance Imaging. <i>Molecular Imaging and Biology</i> , 2011, 13, 886-897.	1.3	25
475	A New Nano-sized Iron Oxide Particle with High Sensitivity for Cellular Magnetic Resonance Imaging. <i>Molecular Imaging and Biology</i> , 2011, 13, 825-839.	1.3	44
476	Carbonyl groups anchoring for the water dispersibility of magnetite nanoparticles. <i>Colloid and Polymer Science</i> , 2011, 289, 361-369.	1.0	14
477	In vivo imaging of immune cell trafficking in cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 949-968.	3.3	63
478	Fluorescence-enhanced gadolinium-doped zinc oxide quantum dots for magnetic resonance and fluorescence imaging. <i>Biomaterials</i> , 2011, 32, 1185-1192.	5.7	198
479	Multifunctional polyglycerol-grafted Fe ₃ O ₄ @SiO ₂ nanoparticles for targeting ovarian cancer cells. <i>Biomaterials</i> , 2011, 32, 2166-2173.	5.7	100
480	Imaging Cardiac Stem Cell Therapy: Translations to Human Clinical Studies. <i>Journal of Cardiovascular Translational Research</i> , 2011, 4, 514-522.	1.1	27
481	Emerging Approaches for Cardiovascular Stem Cell Imaging. <i>Current Cardiovascular Imaging Reports</i> , 2011, 4, 32-40.	0.4	4

#	ARTICLE	IF	CITATIONS
482	Versatile phospholipid-like surfactants for water dispersible nanoparticles. <i>Macromolecular Research</i> , 2011, 19, 668-672.	1.0	1
483	MRI in Rodent Models of Brain Disorders. <i>Neurotherapeutics</i> , 2011, 8, 3-18.	2.1	76
484	Tracking stem cells using magnetic nanoparticles. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011, 3, 343-355.	3.3	224
485	PEG coating reduces NMR relaxivity of Mn^{2+} , Zn^{2+} , Gd^{3+} , Fe^{3+} , and O_2 nanoparticles. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1192-1198.	4.8	107
486	Microfabricated high-moment micrometer-sized MRI contrast agents. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 645-655.	1.9	14
487	Depicting adoptive immunotherapy for prostate cancer in an animal model with magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 756-763.	1.9	39
488	Release activation of iron oxide nanoparticles: (REACTION) A novel environmentally sensitive MRI paradigm. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1253-1259.	1.9	22
489	CCVD Synthesis of Carbon-Encapsulated Cobalt Nanoparticles for Biomedical Applications. <i>Advanced Functional Materials</i> , 2011, 21, 3583-3588.	7.8	39
493	Fluorine (^{19}F) MRS and MRI in biomedicine. <i>NMR in Biomedicine</i> , 2011, 24, 114-129.	1.6	429
494	Quantitative T_2^* imaging of metastatic human breast cancer to brain in the nude rat at 3 T. <i>NMR in Biomedicine</i> , 2011, 24, 325-334.	1.6	13
495	Positive contrast technique for the detection and quantification of superparamagnetic iron oxide nanoparticles in MRI. <i>NMR in Biomedicine</i> , 2011, 24, 464-472.	1.6	28
496	Exploiting the tumor microenvironment for theranostic imaging. <i>NMR in Biomedicine</i> , 2011, 24, 636-647.	1.6	19
497	Controllable Synthesis of Single-Crystalline Fe_3O_4 Nanorice by a One-Pot, Surfactant-Assisted Hydrothermal Method and Its Properties. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5384-5389.	1.0	33
498	Mesenchymal stem cell labeling and <i>in vitro</i> MR characterization at 1.5 T of new SPIO contrast agent: Molday ION Rhodamine-B, C. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 7-18.	0.4	55
499	Cellular uptake and imaging studies of gadolinium-loaded single-walled carbon nanotubes as MRI contrast agents. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 93-99.	0.4	32
500	A novel one-step synthesis of Gd^{3+} -incorporated mesoporous SiO_2 nanoparticles for use as an efficient MRI contrast agent. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 110-118.	0.4	45
501	Surface functionalization of superparamagnetic nanoparticles for the development of highly efficient magnetic resonance probe for macrophages. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 298-307.	0.4	9
505	Nanoparticles in Biological Systems. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1242-1258.	7.2	457

#	ARTICLE	IF	CITATIONS
506	Multifunctional Capsuleâ€”Capsules for Immunoprotection and Trimodal Imaging. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2317-2321.	7.2	77
507	Synthesis of ⁶⁴ Cu ^{II} â€”Bis(dithiocarbamatebisphosphonate) and Its Conjugation with Superparamagnetic Iron Oxide Nanoparticles: Inâ€”Vivo Evaluation as Dualâ€”Modality PETâ€”MRI Agent. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5509-5513.	7.2	167
508	Low molecular weight alkyl-polycation wrapped magnetite nanoparticle clusters as MRI probes for stem cell labeling and in vivo imaging. <i>Biomaterials</i> , 2011, 32, 528-537.	5.7	126
509	Surface functionalized hollow manganese oxide nanoparticles for cancer targeted siRNA delivery and magnetic resonance imaging. <i>Biomaterials</i> , 2011, 32, 176-184.	5.7	173
510	The potential of combinations of drug-loaded nanoparticle systems and adult stem cells for glioma therapy. <i>Biomaterials</i> , 2011, 32, 2106-2116.	5.7	69
511	FMN-coated fluorescent iron oxide nanoparticles for RCP-mediated targeting and labeling of metabolically active cancer and endothelial cells. <i>Biomaterials</i> , 2011, 32, 5863-5871.	5.7	62
512	Novel hybrid nanostructured materials of magnetite nanoparticles and pectin. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 980-987.	1.0	39
513	Off-resonance saturation MRI of superparamagnetic nanoproboscopes: Theoretical models and experimental validations. <i>Journal of Magnetic Resonance</i> , 2011, 209, 53-60.	1.2	16
514	Innovative synthesis of citrate-coated superparamagnetic Fe ₃ O ₄ nanoparticles and its preliminary applications. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 104-111.	5.0	78
515	Facile preparation of recyclable biocatalyst-decorated magnetic nanobeads in aqueous media. <i>Tetrahedron Letters</i> , 2011, 52, 1041-1043.	0.7	5
518	<i>In Vivo</i> Tracking of Stem Cell by Nanotechnologies: Future Prospects for Mouse to Human Translation. <i>Tissue Engineering - Part B: Reviews</i> , 2011, 17, 1-11.	2.5	21
519	Accurate positioning of magnetic microparticles beyond the spatial resolution of clinical MRI scanners using susceptibility artifacts. , 2011, 2011, 2800-3.		6
520	Determining the fate of seeded cells in venous tissueâ€”engineered vascular grafts using serial MRI. <i>FASEB Journal</i> , 2011, 25, 4150-4161.	0.2	53
521	Development of iron-containing multiwalled carbon nanotubes for MR-guided laser-induced thermotherapy. <i>Nanomedicine</i> , 2011, 6, 1341-1352.	1.7	38
522	Molecular Imaging of Influenza and Other Emerging Respiratory Viral Infections. <i>Journal of Infectious Diseases</i> , 2011, 203, 1348-1359.	1.9	22
523	Functionalized Nanomaterials. , 2011, , 493-521.		0
524	MPI cell tracking: what can we learn from MRI?. <i>Proceedings of SPIE</i> , 2011, 7965, 79650z.	0.8	29
525	Nanoparticle contrast agents for CT: their potential and the challenges that lie ahead. <i>Imaging in Medicine</i> , 2011, 3, 263-266.	0.0	18

#	ARTICLE	IF	CITATIONS
526	Molecular Imaging of Stem Cells: Tracking Survival, Biodistribution, Tumorigenicity, and Immunogenicity. <i>Theranostics</i> , 2012, 2, 335-345.	4.6	107
527	Tailoring biocompatible Fe ₃ O ₄ nanoparticles for applications to magnetic hyperthermia. , 2012, , .		1
528	Cellular MRI as a suitable, sensitive non-invasive modality for correlating in vivo migratory efficiencies of different dendritic cell populations with subsequent immunological outcomes. <i>International Immunology</i> , 2012, 24, 29-41.	1.8	32
529	Monitoring the Inflammatory Process by Surface Enhanced Nanoimaging Microscopy. <i>Current Neurovascular Research</i> , 2012, 9, 214-221.	0.4	2
530	Imaging Stem Cell Therapy for the Treatment of Peripheral Arterial Disease. <i>Current Vascular Pharmacology</i> , 2012, 10, 361-373.	0.8	14
531	Magnetoacoustic imaging of magnetic iron oxide nanoparticles embedded in biological tissues with microsecond magnetic stimulation. <i>Applied Physics Letters</i> , 2012, 100, 13704-137043.	1.5	33
532	Use of a polyol liquid collection medium to obtain ultrasmall magnetic nanoparticles by laser pyrolysis. <i>Nanotechnology</i> , 2012, 23, 425605.	1.3	29
533	Magnetically triggered clustering of biotinylated iron oxide nanoparticles in the presence of streptavidinylated enzymes. <i>Nanotechnology</i> , 2012, 23, 355707.	1.3	6
534	INFLUENCE OF AGGREGATE COATING ON RELAXATIONS IN THE SYSTEMS OF IRON OXIDE NANOPARTICLES. <i>Nano</i> , 2012, 07, 1250004.	0.5	6
535	Improving the Magnetic Resonance Imaging Contrast and Detection Methods with Engineered Magnetic Nanoparticles. <i>Theranostics</i> , 2012, 2, 86-102.	4.6	193
537	Imaging Cell Trafficking in Cancer Research. , 2012, , 905-948.		1
538	Effects of Iron Oxide Nanoparticle Labeling on Human Endothelial Cells. <i>Cell Transplantation</i> , 2012, 21, 1805-1820.	1.2	13
539	Platelets in Cardiovascular Imaging. <i>Current Vascular Pharmacology</i> , 2012, 10, 619-625.	0.8	4
540	Investigation of Superparamagnetic Iron Oxide Nanoparticles for MRVisualization of Surgical Implants. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 545-551.	0.9	21
541	Can Magnetic Targeting of Magnetically Labeled Circulating Cells Optimize Intramyocardial Cell Retention?. <i>Cell Transplantation</i> , 2012, 21, 679-691.	1.2	41
542	Magnetic nanoparticles as new diagnostic tools in medicine. <i>Advances in Medical Sciences</i> , 2012, 57, 196-207.	0.9	99
543	Biomedical Applications of Metal Oxide Nanoparticles. , 2012, , 57-100.		38
544	Highly sensitive magnetite nano clusters for MR cell imaging. <i>Nanoscale Research Letters</i> , 2012, 7, 204.	3.1	16

#	ARTICLE	IF	CITATIONS
545	Detecting molecules and cells labeled with magnetic particles using an atomic magnetometer. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	7
546	Methotrexate-conjugated magnetic nanoparticles for thermochemotherapy and magnetic resonance imaging of tumor. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	19
547	A mathematical model of superparamagnetic iron oxide nanoparticle magnetic behavior to guide the design of novel nanomaterials. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	15
548	Magnetic Nanoparticles as Contrast Agents for Magnetic Resonance Imaging. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2012, 82, 257-268.	0.8	24
549	Iron oxide-filled micelles as ligands for fac-[M(CO) ₃] ⁺ (M = ^{99m} Tc, Re). <i>Chemical Communications</i> , 2012, 48, 4211.	2.2	12
550	Different Effect of Hydrogelation on Antifouling and Circulation Properties of Dextran- ⁶⁴ Fe Iron Oxide Nanoparticles. <i>Molecular Pharmaceutics</i> , 2012, 9, 539-545.	2.3	33
551	Cubic mesophase nanoparticles doped with superparamagnetic iron oxide nanoparticles: a new class of MRI contrast agent. <i>RSC Advances</i> , 2012, 2, 6655.	1.7	22
552	Analysis of Lanthanide Complex Dendrimer Conjugates for Bimodal NIR and MRI Imaging. <i>Macromolecules</i> , 2012, 45, 8982-8990.	2.2	36
553	MnO-Labeled Cells: Positive Contrast Enhancement in MRI. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13228-13238.	1.2	42
554	Magnetic Resonance Imaging and Fluorescence Labeling of Clinical-Grade Mesenchymal Stem Cells Without Impacting Their Phenotype: Study in a Rat Model of Stroke. <i>Stem Cells Translational Medicine</i> , 2012, 1, 333-340.	1.6	32
555	Iron Oxide Nanoparticle-Based Magnetic Resonance Method to Monitor Release Kinetics from Polymeric Particles with High Resolution. <i>Analytical Chemistry</i> , 2012, 84, 7779-7784.	3.2	7
556	Size and Compositional Effects on Contrast Efficiency of Functionalized Superparamagnetic Nanoparticles at Ultralow and Ultrahigh Magnetic Fields. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17880-17884.	1.5	12
557	Superparamagnetic iron oxide nanoparticles: magnetic nanoplatforms as drug carriers. <i>International Journal of Nanomedicine</i> , 2012, 7, 3445.	3.3	824
558	Facile synthesis of zinc ferrite nanoparticles as non-lanthanide T1 MRI contrast agents. <i>Journal of Materials Chemistry</i> , 2012, 22, 13500.	6.7	130
559	Single step thermal decomposition approach to prepare supported ⁵⁷ Fe-Fe ₂ O ₃ nanoparticles. <i>Applied Surface Science</i> , 2012, 258, 3679-3688.	3.1	7
560	A novel contrast agent with rare earth-doped up-conversion luminescence and Gd-DTPA magnetic resonance properties. <i>Journal of Solid State Chemistry</i> , 2012, 192, 75-80.	1.4	7
561	Development of a method for magnetic labeling of platelets. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 537-544.	1.7	24
562	A new method for tumor detection using induced acoustic waves from tagged magnetic nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 569-579.	1.7	17

#	ARTICLE	IF	CITATIONS
563	Synergistic enhancement of iron oxide nanoparticle and gadolinium for dual-contrast MRI. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 886-891.	1.0	19
564	Theranostic Probe Based on Lanthanide-Doped Nanoparticles for Simultaneous In Vivo Dual-Modal Imaging and Photodynamic Therapy. <i>Advanced Materials</i> , 2012, 24, 5755-5761.	11.1	367
565	<i>In situ</i> labeling and imaging of endogenous neural stem cell proliferation and migration. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 663-679.	3.3	20
566	Imaging the Laboratory Mouse in vivo. , 2012, , 761-780.		1
567	Inorganic nanoparticle-based T1 and T1/T2 magnetic resonance contrast probes. <i>Nanoscale</i> , 2012, 4, 6235.	2.8	138
568	Polymeric Imaging Agents. , 2012, , 529-545.		0
569	Designed synthesis of uniformly sized iron oxide nanoparticles for efficient magnetic resonance imaging contrast agents. <i>Chemical Society Reviews</i> , 2012, 41, 2575-2589.	18.7	865
570	Impact of surface coating and particle size on the uptake of small and ultrasmall superparamagnetic iron oxide nanoparticles by macrophages. <i>International Journal of Nanomedicine</i> , 2012, 7, 5415.	3.3	32
571	Nano-regenerative medicine towards clinical outcome of stem cell and tissue engineering in humans. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1991-2000.	1.6	42
572	Visualization of Vascular Inflammation in the Atherosclerotic Mouse by Ultrasmall Superparamagnetic Iron Oxide Vascular Cell Adhesion Molecule-1-Specific Nanoparticles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2350-2357.	1.1	72
573	Paramagnetic Nanocrystals: Remarkable Lanthanide-Doped Nanoparticles with Varied Shape, Size, and Composition. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3721-3733.	2.1	19
574	Superparamagnetic Fe ₃ O ₄ -Ag hybrid nanocrystals as a potential contrast agent for CT imaging. <i>CrystEngComm</i> , 2012, 14, 7556.	1.3	11
575	Synthesis of β -cyclodextrin conjugated superparamagnetic iron oxide nanoparticles for selective binding and detection of cholesterol crystals. <i>Chemical Communications</i> , 2012, 48, 3385.	2.2	56
576	Utilizing the folate receptor for active targeting of cancer nanotherapeutics. <i>Nano Reviews</i> , 2012, 3, 18496.	3.7	392
577	Colloidal Stability of Gold Nanoparticles Modified with Thiol Compounds: Bioconjugation and Application in Cancer Cell Imaging. <i>Langmuir</i> , 2012, 28, 4464-4471.	1.6	257
578	Personalized nanomedicine advancements for stem cell tracking. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1488-1507.	6.6	70
579	Rotavirus capsid surface protein VP4-coated Fe ₃ O ₄ nanoparticles as a theranostic platform for cellular imaging and drug delivery. <i>Biomaterials</i> , 2012, 33, 7895-7902.	5.7	31
580	Single bead detection with an NMR microcapillary probe. <i>Journal of Magnetic Resonance</i> , 2012, 224, 71-77.	1.2	4

#	ARTICLE	IF	CITATIONS
581	Nanoclusters of Iron Oxide: Effect of Core Composition on Structure, Biocompatibility, and Cell Labeling Efficacy. <i>Bioconjugate Chemistry</i> , 2012, 23, 941-950.	1.8	13
582	Synthesis and characterization of superparamagnetic core-shell micrometre-sized particles of narrow size distribution by a swelling process. <i>Journal of Materials Chemistry</i> , 2012, 22, 9268.	6.7	15
583	Synthesis and characterization of DOX-conjugated dendrimer-modified magnetic iron oxide conjugates for magnetic resonance imaging, targeting, and drug delivery. <i>Journal of Materials Chemistry</i> , 2012, 22, 9594.	6.7	81
584	Heterocoagulation as a Facile Route To Prepare Stable Serum Albumin-Nanoparticle Conjugates for Biomedical Applications: Synthetic Protocols and Mechanistic Insights. <i>ACS Nano</i> , 2012, 6, 8261-8279.	7.3	36
585	Paramagnetic nanoparticles as potential MRI contrast agents: characterization, NMR relaxation, simulations and theory. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 467-478.	1.1	42
586	Multifunctional Nanoparticles for Drug Delivery Applications. <i>Nanostructure Science and Technology</i> , 2012, , .	0.1	31
587	Near-infrared fluorescent amphiphilic polycation wrapped magnetite nanoparticles as multimodality probes. <i>Science Bulletin</i> , 2012, 57, 4012-4018.	1.7	14
589	Negatively charged superparamagnetic iron oxide nanoparticles: a new blood-pooling magnetic resonance contrast agent. <i>Japanese Journal of Radiology</i> , 2012, 30, 832-839.	1.0	6
590	Stimuli responsive nanomaterials for controlled release applications. <i>Nanotechnology Reviews</i> , 2012, 1, 493-513.	2.6	13
591	Rigid Mn(II) chelate as efficient MRI contrast agent for vascular imaging. <i>Dalton Transactions</i> , 2012, 41, 14480.	1.6	51
592	Central Nervous System Metastasis, the Biological Basis and Clinical Considerations. <i>Cancer Metastasis - Biology and Treatment</i> , 2012, , .	0.1	9
593	Application of Inorganic Nanoparticles for Diagnosis Based on MRI. <i>Frontiers of Nanoscience</i> , 2012, 4, 233-245.	0.3	23
594	Rapid Synthesis of PEGylated Ultrasmall Gadolinium Oxide Nanoparticles for Cell Labeling and Tracking with MRI. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4506-4515.	4.0	132
596	Contrasts, Mechanisms and Sequences. <i>Medical Radiology</i> , 2012, , 81-125.	0.0	0
597	Inflammation and Atherosclerosis. , 2012, , .		6
598	Surface modification of magnetic nanoparticles for stem cell labeling. <i>Soft Matter</i> , 2012, 8, 2057-2069.	1.2	43
599	In Vivo Imaging of Macrophages during the Early- Stages of Abdominal Aortic Aneurysm Using High Resolution MRI in ApoE ^{-/-} Mice. <i>PLoS ONE</i> , 2012, 7, e33523.	1.1	21
600	MR Imaging Features of Gadofluorine-Labeled Matrix-Associated Stem Cell Implants in Cartilage Defects. <i>PLoS ONE</i> , 2012, 7, e49971.	1.1	10

#	ARTICLE	IF	CITATIONS
601	Stem Cells as a Tool for Breast Imaging. <i>Journal of Oncology</i> , 2012, 2012, 1-7.	0.6	5
602	Magnetic Resonance Reporter Gene Imaging. <i>Theranostics</i> , 2012, 2, 403-412.	4.6	30
603	Magnetic Particles in Biotechnology: From Drug Targeting to Tissue Engineering. , 0, , .		4
604	Dual-Modality, Dual-Functional Nanoprobes for Cellular and Molecular Imaging. <i>Theranostics</i> , 2012, 2, 1199-1207.	4.6	10
605	Smart polymersomes for therapy and diagnosis: fast progress toward multifunctional biomimetic nanomedicines. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 525-546.	3.3	68
606	Multi-responsive polymeric microcontainers for potential biomedical applications: synthesis and functionality evaluation. <i>Polymer International</i> , 2012, 61, 888-894.	1.6	20
607	Magnetic Nanoparticles for Cancer Diagnosis and Therapy. <i>Pharmaceutical Research</i> , 2012, 29, 1180-1188.	1.7	158
608	Functionalization of Magnetic Nanoparticles with Amphiphilic Block Copolymers: Self-Assembled Thermoresponsive Submicrometer Particles. <i>Langmuir</i> , 2012, 28, 4142-4151.	1.6	27
609	Adiabatic pulse preparation for imaging iron oxide nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1133-1137.	1.9	5
610	In vivo multicolor molecular MR imaging using diamagnetic chemical exchange saturation transfer liposomes. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1106-1113.	1.9	104
611	Conjugation to Biocompatible Dendrimers Increases Lanthanide T_2 Relaxivity of Hydroxypyridinone Complexes for Magnetic Resonance Imaging. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2108-2114.	1.0	28
612	Synthesis of Uniformly Sized Manganese Oxide Nanocrystals with Various Sizes and Shapes and Characterization of Their T_1 Magnetic Resonance Relaxivity. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2148-2155.	1.0	71
613	MRI Paramagnetic Probes for Cellular Labeling. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1934-1944.	1.0	24
614	Rapid Transformation of Protein-Caged Nanomaterials into Microbubbles As Bimodal Imaging Agents. <i>ACS Nano</i> , 2012, 6, 5111-5121.	7.3	23
615	Modified double emulsion process as a new route to prepare submicron biodegradable magnetic/polycaprolactone particles for in vivo theranostics. <i>Soft Matter</i> , 2012, 8, 2554.	1.2	52
616	Drug-Loaded and Superparamagnetic Iron Oxide Nanoparticle Surface-Embedded Amphiphilic Block Copolymer Micelles for Integrated Chemotherapeutic Drug Delivery and MR Imaging. <i>Langmuir</i> , 2012, 28, 2073-2082.	1.6	118
617	MRI of prostate stem cell antigen expression in prostate tumors. <i>Nanomedicine</i> , 2012, 7, 691-703.	1.7	15
618	Ultrasmall Water-Soluble and Biocompatible Magnetic Iron Oxide Nanoparticles as Positive and Negative Dual Contrast Agents. <i>Advanced Functional Materials</i> , 2012, 22, 2387-2393.	7.8	181

#	ARTICLE	IF	CITATIONS
619	Intracellular SPIO labeling of microglia: high field considerations and limitations for MR microscopy. Contrast Media and Molecular Imaging, 2012, 7, 121-129.	0.4	20
620	Fabrication and characterization of a new MRI contrast agent based on a magnetic dextran-spermine nanoparticle system. Iranian Polymer Journal (English Edition), 2012, 21, 239-251.	1.3	26
621	Water-dispersible multiwalled carbon nanotube/iron oxide hybrids as contrast agents for cellular magnetic resonance imaging. Carbon, 2012, 50, 2162-2170.	5.4	49
622	Immune cell-specific delivery of beta-glucan-coated iron oxide nanoparticles for diagnosing liver metastasis by MR imaging. Carbohydrate Polymers, 2012, 87, 1159-1168.	5.1	22
623	Synthesis, characterization and examination of Gd[DO3A-hexylamine]-functionalized silica nanoparticles as contrast agent for MRI-applications. Journal of Colloid and Interface Science, 2012, 366, 70-79.	5.0	25
624	The role of iron redox state in the genotoxicity of ultrafine superparamagnetic iron oxide nanoparticles. Biomaterials, 2012, 33, 163-170.	5.7	129
625	The transport of non-surfactant based paclitaxel loaded magnetic nanoparticles across the blood brain barrier in a rat model. Biomaterials, 2012, 33, 2936-2951.	5.7	81
626	Zero-valent iron nanoparticles preparation. Materials Research Bulletin, 2012, 47, 1478-1485.	2.7	9
627	Biodegradable synthetic polymers: Preparation, functionalization and biomedical application. Progress in Polymer Science, 2012, 37, 237-280.	11.8	1,103
628	Novel magnetic Fe onion-like fullerene micrometer-sized particles of narrow size distribution. Journal of Magnetism and Magnetic Materials, 2012, 324, 90-94.	1.0	6
629	Relaxation phenomena in ensembles of CoFe ₂ O ₄ nanoparticles. Journal of Magnetism and Magnetic Materials, 2012, 324, 1182-1188.	1.0	20
630	Superparamagnetic iron oxide (SPIO) labeling efficiency and subsequent MRI tracking of native cell populations pertinent to pulmonary heart valve tissue engineering studies. NMR in Biomedicine, 2012, 25, 410-417.	1.6	22
631	Labeling Protocols for In Vivo Tracking of Human Skeletal Muscle Cells (HSkMCs) by Magnetic Resonance and Bioluminescence Imaging. Molecular Imaging and Biology, 2012, 14, 47-59.	1.3	5
632	HyperCEST detection of a ¹²⁹ Xe-based contrast agent composed of cryptophane molecular cages on a bacteriophage scaffold. Magnetic Resonance in Medicine, 2013, 69, 1245-1252.	1.9	66
633	Multifunctional Uniform Core-Shell Fe ₃ O ₄ @mSiO ₂ Mesoporous Nanoparticles for Bimodal Imaging and Photothermal Therapy. Chemistry - an Asian Journal, 2013, 8, 385-391.	1.7	47
634	The application of super paramagnetic iron oxide-labeled mesenchymal stem cells in cell-based therapy. Molecular Biology Reports, 2013, 40, 2733-2740.	1.0	27
635	Preferential magnetic nanoparticle uptake by bone marrow derived macrophages sub-populations: effect of surface coating on polarization, toxicity, and in vivo MRI detection. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	12
636	Chemical Exchange Saturation Transfer (CEST) Imaging: Description of Technique and Potential Clinical Applications. Current Radiology Reports, 2013, 1, 102-114.	0.4	140

#	ARTICLE	IF	CITATIONS
637	The solvothermal synthesis of magnetic iron oxide nanocrystals and the preparation of hybrid poly(l-lactide)-polyethyleneimine magnetic particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 236-243.	2.5	21
638	Octapod iron oxide nanoparticles as high-performance T2 contrast agents for magnetic resonance imaging. <i>Nature Communications</i> , 2013, 4, 2266.	5.8	399
639	DNA Nanotechnology. , 2013, , .		5
640	Synthesis of Fe ₃ O ₄ @Y ₂ O ₃ :Eu ³⁺ core-shell multifunctional nanoparticles and their magnetic and luminescence properties. <i>Optical Materials</i> , 2013, 35, 1685-1692.	1.7	15
641	Applications of Nanomaterials in Sensors and Diagnostics. Springer Series on Chemical Sensors and Biosensors, 2013, , .	0.5	37
642	A pH-responsive drug release system based on doxorubicin conjugated amphiphilic polymer coated quantum dots for tumor cell targeting and tracking. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 2169-2175.	1.6	20
643	Biomedical applications of nanoalloys. , 2013, , 345-371.		9
644	Design of a novel class of protein-based magnetic resonance imaging contrast agents for the molecular imaging of cancer biomarkers. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013, 5, 163-179.	3.3	37
645	MRI Tracking of Macrophages Labeled with Glucan Particles Entrapping a Water Insoluble Paramagnetic Gd-Based Agent. <i>Molecular Imaging and Biology</i> , 2013, 15, 307-315.	1.3	16
646	Efficient MRI labeling of endothelial progenitor cells: Design of thiolated surface stabilized superparamagnetic iron oxide nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 346-355.	2.0	25
647	Magnetic fluid hyperthermia: Advances, challenges, and opportunity. <i>International Journal of Hyperthermia</i> , 2013, 29, 706-714.	1.1	220
648	Developing Fe ₃ O ₄ nanoparticles into an efficient multimodality imaging and therapeutic probe. <i>Nanoscale</i> , 2013, 5, 11954.	2.8	45
649	Quantitative Analysis of Superparamagnetic Contrast Agent in Sentinel Lymph Nodes Using Ex Vivo Vibrating Sample Magnetometry. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 2594-2602.	2.5	16
650	Solid-state phase transformation mechanism for formation of magnetic multi-granule nanoclusters. <i>RSC Advances</i> , 2013, 3, 3631.	1.7	32
651	Manganese-impregnated mesoporous silica nanoparticles for signal enhancement in MRI cell labelling studies. <i>Nanoscale</i> , 2013, 5, 11499.	2.8	44
652	Characterization of Coronary Atherosclerosis by Magnetic Resonance Imaging. <i>Circulation</i> , 2013, 128, 1244-1255.	1.6	33
653	Gd-complex labeled magnetite nanoparticles as fluorescent and targeted magnetic resonance imaging contrast agent. <i>Materials Letters</i> , 2013, 98, 34-37.	1.3	5
654	Nanoparticle-Based Systems for T1-Weighted Magnetic Resonance Imaging Contrast Agents. <i>International Journal of Molecular Sciences</i> , 2013, 14, 10591-10607.	1.8	74

#	ARTICLE	IF	CITATIONS
655	Magnetic Nanoparticles: Surface Effects and Properties Related to Biomedicine Applications. International Journal of Molecular Sciences, 2013, 14, 21266-21305.	1.8	871
656	Novel aqueous nano-scaled formulations of oleic acid stabilized hydrophobic superparamagnetic iron oxide nanocrystals. Drug Development and Industrial Pharmacy, 2013, 39, 186-196.	0.9	3
657	Tuning the Magnetic Properties of Nanoparticles. International Journal of Molecular Sciences, 2013, 14, 15977-16009.	1.8	629
658	Tracking immune cells in vivo using magnetic resonance imaging. Nature Reviews Immunology, 2013, 13, 755-763.	10.6	399
659	<i>In vivo</i> MRI cell tracking using perfluorocarbon probes and fluorine-19 detection. NMR in Biomedicine, 2013, 26, 860-871.	1.6	139
660	One-pot synthesis of Gd ³⁺ -functionalized gold nanoclusters for dual model (fluorescence/magnetic) T ₁ MRI contrast agents. Over	2.9	80
661	In vivo identification of sentinel lymph nodes using MRI and size-controlled and monodispersed magnetite nanoparticles. Journal of Magnetic Resonance Imaging, 2013, 38, 1346-1355.	1.9	12
662	Nanoparticle Mediated Thermal Ablation of Breast Cancer Cells Using a Nanosecond Pulsed Electric Field. IEEE Transactions on Nanobioscience, 2013, 12, 112-118.	2.2	10
663	Effects of DMSA-Coated Fe ₃ O ₄ Nanoparticles on the Transcription of Genes Related to Iron and Osmosis Homeostasis. Toxicological Sciences, 2013, 131, 521-536.	1.4	46
664	Correlation of structural and magnetic properties of Fe ₃ O ₄ nanoparticles with their calorimetric and magnetorheological performance. Journal of Magnetism and Magnetic Materials, 2013, 326, 7-13.	1.0	42
665	Magnetic resonance contrast and biological effects of intracellular superparamagnetic iron oxides on human mesenchymal stem cells with long-term culture and hypoxic exposure. Cytotherapy, 2013, 15, 307-322.	0.3	26
666	Engineering novel detectors and sensors for MRI. Journal of Magnetic Resonance, 2013, 229, 67-74.	1.2	11
667	New frontiers and developing applications in ¹⁹ F NMR. Progress in Nuclear Magnetic Resonance Spectroscopy, 2013, 70, 25-49.	3.9	160
669	Targeted Drug Delivery. , 2013, , 181-234.		23
670	Nanotoxicology and Remediation. , 2013, , 361-408.		3
672	New forms of superparamagnetic nanoparticles for biomedical applications. Advanced Drug Delivery Reviews, 2013, 65, 732-743.	6.6	305
674	Development of PEGylated KMnF ₃ nanoparticles as a T ₁ -weighted contrast agent: chemical synthesis, in vivo brain MR imaging, and accounting for high relaxivity. Nanoscale, 2013, 5, 5073.	2.8	29
675	Recent Developments in Texaphyrin Chemistry and Drug Discovery. Inorganic Chemistry, 2013, 52, 12184-12192.	1.9	65

#	ARTICLE	IF	CITATIONS
677	SPIO-PICsome: Development of a highly sensitive and stealth-capable MRI nano-agent for tumor detection using SPIO-loaded unilamellar polyion complex vesicles (PICsomes). Journal of Controlled Release, 2013, 169, 220-227.	4.8	56
678	Magnetic Nanoparticles for Magnetic Resonance Imaging and Hyperthermia Applications. , 2013, , 99-129.		4
679	Magnetic field triggered drug release from polymersomes for cancer therapeutics. Journal of Controlled Release, 2013, 169, 165-170.	4.8	267
680	Nanoprobes for In Vivo Cell Tracking. Springer Series on Chemical Sensors and Biosensors, 2013, , 217-235.	0.5	0
681	Implementation of P22 Viral Capsids As Intravascular Magnetic Resonance Contrast Agents via Site-Selective Attachment of Gd(III)-Chelating Agents. Biomacromolecules, 2013, 14, 2332-2339.	2.6	45
682	Guidance of Stem Cells to a Target Destination in Vivo by Magnetic Nanoparticles in a Magnetic Field. ACS Applied Materials & Interfaces, 2013, 5, 5976-5985.	4.0	43
683	In Vivo Small Animal Imaging. , 2013, , 287-315.		2
684	Functionalization of Monodisperse Iron Oxide NPs and Their Properties as Magnetically Recoverable Catalysts. Langmuir, 2013, 29, 466-473.	1.6	91
685	Cleaved Iron Oxide Nanoparticles as Contrast Agents for Magnetic Resonance Imaging. Chemistry - A European Journal, 2013, 19, 4217-4222.	1.7	17
686	Hybrid nanocrystal as a versatile platform for cancer theranostics. , 2013, , 188-207e.		3
687	Real-time infrared thermography detection of magnetic nanoparticle hyperthermia in a murine model under a non-uniform field configuration. International Journal of Hyperthermia, 2013, 29, 752-767.	1.1	73
688	Carboxylic silane-exchanged manganese ferrite nanoclusters with high relaxivity for magnetic resonance imaging. Journal of Materials Chemistry B, 2013, 1, 1846.	2.9	22
689	In vivo dynamic monitoring of the biological behavior of labeled C6 glioma by MRI. Molecular Medicine Reports, 2013, 7, 1397-1402.	1.1	5
690	Tailoring lanthanide nanocrystals for nanomedicine. Proceedings of SPIE, 2013, , .	0.8	0
691	Dual Contrast Agent for Computed Tomography and Magnetic Resonance Hard Tissue Imaging. Tissue Engineering - Part C: Methods, 2013, 19, 405-416.	1.1	20
692	Superparamagnetic Iron Oxide Nanoparticles in Biomedicine: Applications and Developments in Diagnostics and Therapy. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2013, 185, 1149-1166.	0.7	118
693	Assessment of multifunctional contrast agent probes in neuroimaging: Implications of nanopharmaceutical therapeutic interventions. Journal of Advanced Pharmaceutical Technology and Research, 2013, 4, 128.	0.4	2
694	Tumour Cell Labelling by Magnetic Nanoparticles with Determination of Intracellular Iron Content and Spatial Distribution of the Intracellular Iron. International Journal of Molecular Sciences, 2013, 14, 9111-9125.	1.8	44

#	ARTICLE	IF	CITATIONS
695	Ultrasmall PEGylated $Mn_xFe_{3-x}O_4$ ($x = 0 \text{ to } 0.34$) nanoparticles: effects of Mn(ii) doping on T1- and T2-weighted magnetic resonance imaging. RSC Advances, 2013, 3, 23454.	1.7	19
696	Superparamagnetic Iron Oxide Nanoparticles as MRI contrast agents for Non-invasive Stem Cell Labeling and Tracking. Theranostics, 2013, 3, 595-615.	4.6	410
697	Targeting Drugs to Cancer: A Tough Journey to the Tumor Cell. , 2013, , 509-542.		0
698	Magnetic resonance imaging detection of an uncommon granuloma formation after endothelial progenitor cells transplantation. Bio-Medical Materials and Engineering, 2013, 23, 555-566.	0.4	1
699	Mesenchymal Stem Cells Migration Homing and Tracking. Stem Cells International, 2013, 2013, 1-8.	1.2	328
700	Tracking and evaluation of dendritic cell migration by cellular magnetic resonance imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 469-483.	3.3	45
702	Inorganic nanocrystals as contrast agents in MRI: synthesis, coating and introduction of multifunctionality. NMR in Biomedicine, 2013, 26, 766-780.	1.6	45
703	MRI tracking of transplanted iron-labeled mesenchymal stromal cells in an immune-compromised mouse model of critical limb ischemia. NMR in Biomedicine, 2013, 26, 458-467.	1.6	17
704	Gd loading by hypotonic swelling: an efficient and safe route for cellular labeling. Contrast Media and Molecular Imaging, 2013, 8, 475-486.	0.4	37
705	Magnetic Resonance Imaging of Human Dental Pulp Stem Cells in Vitro and in Vivo. Cell Transplantation, 2013, 22, 1813-1829.	1.2	38
707	Preparation of $W_{1/4}S_{3/4}$ Nanoparticles by a Solventless Synthetic Procedure. Chemistry Letters, 2013, 42, 863-865.	0.7	10
708	Patient-Specific Computational Modeling and Magnetic Nanoconstructs: Tools for Maximizing the Efficacy of Stem Cell-Based Therapies. Methodist DeBakey Cardiovascular Journal, 2013, 9, 223-228.	0.5	1
709	Molecular Imaging of Cancer Cells Using a Bacteriophage-Based ^{129}Xe NMR Biosensor. Angewandte Chemie - International Edition, 2013, 52, 4849-4853.	7.2	93
710	Assessment of biological characteristics of adipose tissue-derived stem cells co-labeled with Molday ION Rhodamine B, CF and green fluorescent protein in vitro. Molecular Medicine Reports, 2013, 8, 1446-1452.	1.1	8
711	Anti- α ;v β ;3 antibody guided three-step pretargeting approach using magnetoliposomes for molecular magnetic resonance imaging of breast cancer angiogenesis. International Journal of Nanomedicine, 2013, 8, 245.	3.3	22
712	Biodistribution of newly synthesized PHEA-based polymer-coated SPION in Sprague Dawley rats as magnetic resonance contrast agent. International Journal of Nanomedicine, 2013, 8, 4077.	3.3	6
713	Structural neuroimaging. , 0, , 415-429.		0
714	Simple SPION Incubation as an Efficient Intracellular Labeling Method for Tracking Neural Progenitor Cells Using MRI. PLoS ONE, 2013, 8, e56125.	1.1	36

#	ARTICLE	IF	CITATIONS
715	New Strategies to Prolong the In Vivo Life Span of Iron-Based Contrast Agents for MRI. PLoS ONE, 2013, 8, e78542.	1.1	29
716	Molecular Imaging of Induced Pluripotent Stem Cell Immunogenicity with In Vivo Development in Ischemic Myocardium. PLoS ONE, 2013, 8, e66369.	1.1	16
717	Magnetization and Specific Absorption Rate Studies of Ball-Milled Iron Oxide Nanoparticles for Biomedicine. Journal of Nanoparticles, 2013, 2013, 1-13.	1.4	21
718	Novel Positively Charged Nanoparticle Labeling for In Vivo Imaging of Adipose Tissue-Derived Stem Cells. PLoS ONE, 2014, 9, e110142.	1.1	17
719	<i>In Vitro</i> Sustained Release Study of Gallic Acid Coated with Magnetite-PEG and Magnetite-PVA for Drug Delivery System. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	42
720	Surface engineered antifouling optomagnetic SPIONs for bimodal targeted imaging of pancreatic cancer cells. International Journal of Nanomedicine, 2014, 9, 1601.	3.3	39
721	Size Control of Magnetite Nanoparticles in Excess Ligands as a Function of Reaction Temperature and Time. Molecules, 2014, 19, 11395-11403.	1.7	17
722	Umbilical cord mesenchymal stem cells labeled with multimodal iron oxide nanoparticles with fluorescent and magnetic properties: application for in vivo cell tracking. International Journal of Nanomedicine, 2014, 9, 337.	3.3	35
723	Mesenchymal stromal cell labeling by new uncoated superparamagnetic maghemite nanoparticles in comparison with commercial Resovist – an initial in vitro study. International Journal of Nanomedicine, 2014, 9, 5355.	3.3	36
725	Superparamagnetic Iron Oxide Nanoparticles Function as a Long-Term, Multi-Modal Imaging Label for Non-Invasive Tracking of Implanted Progenitor Cells. PLoS ONE, 2014, 9, e108695.	1.1	14
726	A Quantitative Relaxometric Version of the ELISA Test for the Measurement of Cell Surface Biomarkers. Angewandte Chemie - International Edition, 2014, 53, 3488-3491.	7.2	48
727	Targeting multiple types of tumors using NKG2D-coated iron oxide nanoparticles. Nanotechnology, 2014, 25, 475101.	1.3	3
728	Coating Engineering of MnFe ₂ O ₄ Nanoparticles with Superhigh <i>T₂</i> Relaxivity and Efficient Cellular Uptake for Highly Sensitive Magnetic Resonance Imaging. Advanced Materials Interfaces, 2014, 1, 1300069.	1.9	46
729	Solid MRI contrast agents for long-term, quantitative in vivo oxygen sensing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6588-6593.	3.3	17
731	Single Ho ³⁺ -Doped Upconversion Nanoparticles for High-Performance <i>T₂</i> -Weighted Brain Tumor Diagnosis and MR/UCL/CT Multimodal Imaging. Advanced Functional Materials, 2014, 24, 6613-6620.	7.8	131
732	Detection of magnetic nanomaterials in molecular imaging and diagnosis applications. Nanotechnology Reviews, 2014, 3, .	2.6	12
733	Future scenarios: nanoparticles and stem cells. , 2014, , 151-166.		0
734	X-ray optics of gold nanoparticles. Applied Optics, 2014, 53, 7208.	2.1	5

#	ARTICLE	IF	CITATIONS
735	Synthesis and characterization of gadolinium nanosheets with bound rose bengal: potential use in photodynamic therapy and MRI. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	3
736	High-Relaxivity Superparamagnetic Iron Oxide Nanoworms with Decreased Immune Recognition and Long-Circulating Properties. <i>ACS Nano</i> , 2014, 8, 12437-12449.	7.3	58
737	Multimodal cell tracking of a spontaneous metastasis model: comparison between MRI, electron paramagnetic resonance and bioluminescence. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 143-153.	0.4	17
738	Multifunctional PEGylated Multiwalled Carbon Nanotubes for Enhanced Blood Pool and Tumor MR Imaging. <i>Advanced Healthcare Materials</i> , 2014, 3, 1568-1577.	3.9	34
739	Alginate-coated magnetic nanoparticles for noninvasive MRI of extracellular calcium. <i>NMR in Biomedicine</i> , 2014, 27, 774-783.	1.6	33
740	Dual-modal imaging and photodynamic therapy using upconversion nanoparticles for tumor cells. <i>Analyst</i> , 2014, 139, 6414-6420.	1.7	14
741	Magnetic resonance imaging tracking of ultra small superparamagnetic iron oxide labeled rabbit dendritic cells. <i>Experimental Biology and Medicine</i> , 2014, 239, 13-23.	1.1	3
742	Encapsulated gadolinium and dysprosium ions within ultra-short carbon nanotubes for MR microscopy at 11.75 and 21.1%T. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 92-99.	0.4	9
743	Assessment of inflammation with a very small iron-oxide particle in a murine model of reperfused myocardial infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 598-608.	1.9	16
744	Clinically viable magnetic poly(lactide-co-glycolide) particles for MRI-based cell tracking. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1238-1250.	1.9	31
745	13. Nanoparticles for magnetic resonance imaging (MRI) applications in medicine. , 2014, , 333-374.		1
746	Mechanisms of complement activation by dextran-coated superparamagnetic iron oxide (SPIO) nanoworms in mouse versus human serum. <i>Particle and Fibre Toxicology</i> , 2014, 11, 64.	2.8	79
747	Synergetic effect of size and morphology of cobalt ferrite nanoparticles on proton relaxivity. <i>IET Nanobiotechnology</i> , 2014, 8, 184-189.	1.9	5
748	Tracking of stem cells in vivo for cardiovascular applications. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 7.	1.6	25
749	Iron Oxide-Labeled Collagen Scaffolds for Non-Invasive MR Imaging in Tissue Engineering. <i>Advanced Functional Materials</i> , 2014, 24, 754-762.	7.8	85
750	Synthesis and characterization of iron, iron oxide and iron carbide nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 349, 35-44.	1.0	37
751	Design of functionalized nanoparticles for the applications in nanobiotechnology. <i>Advanced Powder Technology</i> , 2014, 25, 101-113.	2.0	14
752	Phytotoxicity assessment of ^{59}Fe -Fe ₂ O ₃ nanoparticles on root elongation and growth of rice plant. <i>Environmental Earth Sciences</i> , 2014, 71, 5173-5182.	1.3	59

#	ARTICLE	IF	CITATIONS
753	In vivo visualization of cells labeled with superparamagnetic iron oxides by a sub-millisecond gradient echo sequence. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 329-337.	1.1	6
754	The Great Migration: How MRI Replaces Traditional Imaging Techniques for the Characterization of Atherosclerosis. <i>Current Radiology Reports</i> , 2014, 2, 1.	0.4	0
755	Chemical Synthesis of Monodisperse Magnetic Nanoparticles for Sensitive Cancer Detection. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 33-38.	1.9	9
756	Markers of cochlear inflammation using MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 150-161.	1.9	28
757	Bio-Inspired Nanotechnology. , 2014, , .		13
758	The use of gadolinium-carbon nanostructures to magnetically enhance stem cell retention for cellular cardiomyoplasty. <i>Biomaterials</i> , 2014, 35, 720-726.	5.7	24
759	Phosphatidylserine-targeted bimodal liposomal nanoparticles for in vivo imaging of breast cancer in mice. <i>Journal of Controlled Release</i> , 2014, 183, 114-123.	4.8	66
760	Low-Magnetization Magnetic Microcapsules: A Synergistic Theranostic Platform for Remote Cancer Cells Therapy and Imaging. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 985-993.	1.2	18
761	Paramagnetic inorganic nanoparticles as MRI contrast agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 196-209.	3.3	89
762	Nanoparticles and their applications in cell and molecular biology. <i>Integrative Biology (United Kingdom)</i> 11, 078-093. doi:10.1039/c4ib00078a	0.6	305
763	A theranostic agent to enhance osteogenic and magnetic resonance imaging properties of calcium phosphate cements. <i>Biomaterials</i> , 2014, 35, 2227-2233.	5.7	20
764	Biologic properties of gadolinium diethylenetriaminepentaacetic acid-labeled and PKH26-labeled human umbilical cord mesenchymal stromal cells. <i>Cytotherapy</i> , 2014, 16, 74-83.	0.3	5
765	Intracellular delivery of peptide cargos using iron oxide based nanoparticles: studies on antitumor efficacy of a BCL-2 converting peptide, NuBCP-9. <i>Nanoscale</i> , 2014, 6, 14473-14483.	2.8	11
766	Dextran coated bismuth-iron oxide nanohybrid contrast agents for computed tomography and magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8239-8248.	2.9	102
767	Positive contrast of SPIO-labeled cells by off-resonant reconstruction of 3D radial half-echo bSSFP. <i>NMR in Biomedicine</i> , 2015, 28, 79-88.	1.6	13
768	Magnetic Separation of Proteins by a Self-Assembled Supramolecular Ternary Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12946-12950.	7.2	63
769	Gadolinium oxide nanoplates with high longitudinal relaxivity for magnetic resonance imaging. <i>Nanoscale</i> , 2014, 6, 13637-13645.	2.8	72
770	Folic Acid-Conjugated MnO Nanoparticles as a Contrast Agent for Magnetic Resonance Imaging of Tiny Brain Gliomas. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19850-19857.	4.0	74

#	ARTICLE	IF	CITATIONS
771	Nanoparticle contrast agents for computed tomography: a focus on micelles. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 37-52.	0.4	268
772	Mesoporous silica-coated luminescent Eu ³⁺ -doped GdVO ₄ nanoparticles for multimodal imaging and drug delivery. <i>RSC Advances</i> , 2014, 4, 45687-45695.	1.7	31
773	Self-organized Mn ²⁺ -block copolymer complexes and their use for in vivo MR imaging of biological processes. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7055-7064.	2.9	5
774	Titanium Dioxide in the Service of the Biomedical Revolution. <i>Chemical Reviews</i> , 2014, 114, 10177-10216.	23.0	254
775	Biocompatible and high-performance amino acids-capped MnWO ₄ nanocasting as a novel non-lanthanide contrast agent for X-ray computed tomography and T1-weighted magnetic resonance imaging. <i>Nanoscale</i> , 2014, 6, 2211.	2.8	45
776	The solid-state electrochemical reduction process of magnetite in Li batteries: in situ magnetic measurements toward electrochemical magnets. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5183-5188.	2.7	49
777	Regulation of multifunctional mesoporous core-shell nanoparticles with luminescence and magnetic properties for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2265-2275.	2.9	20
778	High-resolution MRI and nanoparticles: the future of brain imaging. <i>Future Neurology</i> , 2014, 9, 211-225.	0.9	2
779	Nanoassemblies of Gd-DTPA monooleyl and glycerol monooleate amphiphiles as potential MRI contrast agents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1225.	2.9	25
780	Synthesis and Phase Transfer of Monodisperse Iron Oxide (Fe ₃ O ₄) Nanocubes. <i>Australian Journal of Chemistry</i> , 2014, 67, 663.	0.5	15
781	Developing MR Probes for Molecular Imaging. <i>Advances in Cancer Research</i> , 2014, 124, 297-327.	1.9	13
782	Biofunctionalized Gadolinium-Containing Prussian Blue Nanoparticles as Multimodal Molecular Imaging Agents. <i>Bioconjugate Chemistry</i> , 2014, 25, 129-137.	1.8	73
783	Magnetization transfer contrast MRI for non-invasive assessment of innate and adaptive immune responses against alginate-encapsulated cells. <i>Biomaterials</i> , 2014, 35, 7811-7818.	5.7	16
784	Gadolinium-Enriched Polyaniline Particles (GPAPs) for Simultaneous Diagnostic Imaging and Localized Photothermal Therapy of Epithelial Cancer. <i>Advanced Healthcare Materials</i> , 2014, 3, 1408-1414.	3.9	34
785	<i>T</i> ₁ and <i>T</i> ₂ Dual-Mode MRI Contrast Agent for Enhancing Accuracy by Engineered Nanomaterials. <i>ACS Nano</i> , 2014, 8, 3393-3401.	7.3	195
786	Targeted nanotechnology for cancer imaging. <i>Advanced Drug Delivery Reviews</i> , 2014, 76, 79-97.	6.6	160
787	Green biosynthesis and characterization of fibrin functionalized iron oxide nanoparticles with MRI sensitivity and increased cellular internalization. <i>Materials Chemistry and Physics</i> , 2014, 148, 1212-1220.	2.0	21
788	Clodronate-superparamagnetic iron oxide-containing liposomes attenuate renal injury in rats with severe acute pancreatitis. <i>Journal of Zhejiang University: Science B</i> , 2014, 15, 556-565.	1.3	9

#	ARTICLE	IF	CITATIONS
789	Coupled cellular therapy and magnetic targeting for airway regeneration. <i>Biochemical Society Transactions</i> , 2014, 42, 657-661.	1.6	7
790	FEM Optimization of Energy Density in Tumor Hyperthermia Using Time-Dependent Magnetic Nanoparticle Power Dissipation. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-7.	1.2	6
791	Polymersome magneto-valves for reversible capture and release of nanoparticles. <i>Nature Communications</i> , 2014, 5, 5010.	5.8	55
792	Regenerative Cell Imaging in Cardiac Repair. <i>Canadian Journal of Cardiology</i> , 2014, 30, 1323-1334.	0.8	4
793	Magneto-plasmonic nanoparticles as theranostic platforms for magnetic resonance imaging, drug delivery and NIR hyperthermia applications. <i>Nanoscale</i> , 2014, 6, 9230.	2.8	63
794	Contrast-enhanced magneto-photo-acoustic imaging in vivo using dual-contrast nanoparticles. <i>Photoacoustics</i> , 2014, 2, 55-62.	4.4	22
795	Anal Sphincter Repair With Muscle Progenitor Cell Transplantation: Serial Assessment With Iron Oxide-Enhanced MRI. <i>American Journal of Roentgenology</i> , 2014, 202, 619-625.	1.0	10
796	Targeted Iron-Oxide Nanoparticle for Photodynamic Therapy and Imaging of Head and Neck Cancer. <i>ACS Nano</i> , 2014, 8, 6620-6632.	7.3	120
797	One-pot facile synthesis of PEGylated superparamagnetic iron oxide nanoparticles for MRI contrast enhancement. <i>Materials Science and Engineering C</i> , 2014, 41, 161-167.	3.8	39
798	Dynamic light scattering-based method to determine primary particle size of iron oxide nanoparticles in simulated gastrointestinal fluid. <i>Food Chemistry</i> , 2014, 161, 185-191.	4.2	29
799	Synthesis and structural, magnetic and magnetotransport properties of permalloy powders containing nanoparticles prepared by arc discharge. <i>Journal of Alloys and Compounds</i> , 2014, 608, 153-157.	2.8	18
800	Growth of Fe ₃ O ₄ nanoparticles with tunable sizes and morphologies using organic amine. <i>Materials Research Bulletin</i> , 2014, 49, 514-520.	2.7	11
801	Cancer immunotherapy: nanodelivery approaches for immune cell targeting and tracking. <i>Frontiers in Chemistry</i> , 2014, 2, 105.	1.8	147
802	Ex Vivo Magnetic Resonance Imaging of Transplanted Hepatocytes in a Rat Model of Acute Liver Failure. <i>Cell Transplantation</i> , 2014, 23, 329-343.	1.2	12
803	Vitamin E (D-Alpha-Tocopheryl-co-Poly(Ethylene Glycol) 1000 Succinate) Micelles-Superparamagnetic Iron Oxide Nanoparticles for Enhanced Thermotherapy and MRI. , 2014, , 882-903.		0
804	¹ H MRI Detection of Gene Expression in Living Cells by Using Protein Tag and Biotinylation Probe. <i>Chemistry Letters</i> , 2014, 43, 219-221.	0.7	0
805	Phosphatidylserine-Targeted Molecular Imaging of Tumor Vasculature by Magnetic Resonance Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 846-855.	0.5	25
806	Ein selbstorganisierter supramolekularer ternärer Komplex zur magnetischen Trennung von Proteinen. <i>Angewandte Chemie</i> , 2014, 126, 13160-13164.	1.6	10

#	ARTICLE	IF	CITATIONS
808	Three-dimensional reconstruction of a vascular network by dynamic tracking of magnetite nanoparticles. <i>Medical Physics</i> , 2015, 42, 5702-5710.	1.6	2
809	Imaging transplanted stem cells in real time using an MRI dual-contrast method. <i>Scientific Reports</i> , 2015, 5, 13628.	1.6	51
810	Response Surface Methodology Study on Magnetite Nanoparticle Formation under Hydrothermal Conditions. <i>Nanomaterials and Nanotechnology</i> , 2015, 5, 13.	1.2	11
811	Iron Oxide as an Mri Contrast Agent for Cell Tracking: Supplementary Issue. <i>Magnetic Resonance Insights</i> , 2015, 8s1, MRI.S23557.	2.5	53
812	Particle Systems for Stem Cell Applications. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1107-1123.	0.5	8
813	Scalable fractionation of iron oxide nanoparticles using a CO ₂ gas-expanded liquid system. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	4
814	Magnetically Active Carbon Nanotubes at Work. <i>Chemistry - A European Journal</i> , 2015, 21, 9288-9301.	1.7	16
815	Cryopreservation of embryonic stem cell-derived multicellular neural aggregates labeled with micron-sized particles of iron oxide for magnetic resonance imaging. <i>Biotechnology Progress</i> , 2015, 31, 510-521.	1.3	15
816	Multi-chromatic magnetic resonance imaging using frequency lock-in suppression. <i>NMR in Biomedicine</i> , 2015, 28, 1187-1195.	1.6	0
817	Improved quantitative ¹⁹ F MR molecular imaging with flip angle calibration and B ₁ -mapping compensation. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 488-494.	1.9	12
818	Magnetic Nanoparticles Labeled Mesenchymal Stem Cells: A Pragmatic Solution toward Targeted Cancer Theranostics. <i>Advanced Healthcare Materials</i> , 2015, 4, 2078-2089.	3.9	12
819	Quantitative contrast-enhanced MRI with superparamagnetic nanoparticles using ultrashort time-echo pulse sequences. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 431-441.	1.9	34
820	Targeted nanoparticles for image-guided treatment of triple-negative breast cancer: clinical significance and technological advances. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 797-816.	3.3	55
821	Pre- and postmortem imaging of transplanted cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 5543.	3.3	11
822	Preclinical evaluation of a urokinase plasminogen activator receptor-targeted nanoprobe in rhesus monkeys. <i>International Journal of Nanomedicine</i> , 2015, 10, 6689.	3.3	9
823	The interaction of sterically stabilized magnetic nanoparticles with fresh human red blood cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 6645.	3.3	11
824	Exposure to Iron Oxide Nanoparticles Coated with Phospholipid-Based Polymeric Micelles Induces Biochemical and Histopathological Pulmonary Changes in Mice. <i>International Journal of Molecular Sciences</i> , 2015, 16, 29417-29435.	1.8	22
825	T1-MRI Fluorescent Iron Oxide Nanoparticles by Microwave Assisted Synthesis. <i>Nanomaterials</i> , 2015, 5, 1880-1890.	1.9	21

#	ARTICLE	IF	CITATIONS
826	Fluorescent magnetic iron oxide nanoparticles for cardiac precursor cell selection from stromal vascular fraction and optimization for magnetic resonance imaging. <i>International Journal of Nanomedicine</i> , 2015, 10, 711.	3.3	14
827	Effects of PVA coated nanoparticles on human immune cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 3429.	3.3	31
828	In vitro cytotoxicity analysis of doxorubicin-loaded/superparamagnetic iron oxide colloidal nanoassemblies on MCF7 and NIH3T3 cell lines. <i>International Journal of Nanomedicine</i> , 2015, 10, 949.	3.3	72
829	Tracking Transplanted Stem Cells Using Magnetic Resonance Imaging and the Nanoparticle Labeling Method in Urology. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	6
830	Current Perspectives in Mesenchymal Stromal Cell Therapies for Airway Tissue Defects. <i>Stem Cells International</i> , 2015, 2015, 1-7.	1.2	20
832	Stimuli-responsive nanogel composites and their application in nanomedicine. <i>Chemical Society Reviews</i> , 2015, 44, 6161-6186.	18.7	449
833	Hexagonal magnetite nanoprisms: preparation, characterization and cellular uptake. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4647-4653.	2.9	27
834	Coat Protein-Dependent Behavior of Poly(ethylene glycol) Tails in Iron Oxide Core Virus-like Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12089-12098.	4.0	17
835	Nanoparticles in magnetic resonance imaging: from simple to dual contrast agents. <i>International Journal of Nanomedicine</i> , 2015, 10, 1727.	3.3	378
836	Advances in using MRI probes and sensors for <i>in vivo</i> cell tracking as applied to regenerative medicine. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 323-336.	1.2	77
837	Effective siRNA therapy of hepatoma mediated by a nonviral vector with MRI-visibility and biodegradability. <i>RSC Advances</i> , 2015, 5, 21103-21111.	1.7	15
838	Visual bone marrow mesenchymal stem cell transplantation in the repair of spinal cord injury. <i>Neural Regeneration Research</i> , 2015, 10, 404.	1.6	21
839	T ₁ -weighted and T ₂ -weighted MRI probe based on Gd-DTPA surface conjugated SPIO nanomicelles. <i>RSC Advances</i> , 2015, 5, 97675-97680.	1.7	11
840	Anisotropic magnetic field observed at 300Å in citrate-coated iron oxide nanoparticles: effect of counterions. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	4
841	Single- and multi-core FePt nanoparticles: from controlled synthesis via zwitterionic and silica bio-functionalization to MRI applications. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	13
842	Visualization of <i>in vivo</i> degradation of aliphatic polyesters by a fluorescent dendritic star macromolecule. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 065003.	1.7	7
843	In vivo magnetic resonance imaging tracking of transplanted superparamagnetic iron oxide-labeled bone marrow mesenchymal stem cells in rats with myocardial infarction. <i>Molecular Medicine Reports</i> , 2015, 11, 113-120.	1.1	33
844	Nanomaterial-assisted PCR based on thermal generation from magnetic nanoparticles under high-frequency AC magnetic fields. <i>Chemical Physics Letters</i> , 2015, 635, 234-240.	1.2	5

#	ARTICLE	IF	CITATIONS
845	Cancer Stem Cells: Biology and Potential Therapeutic Applications. , 2015, , 151-176.		1
846	Preparation of magnetite-chitosan/methylcellulose nanospheres by entrapment and adsorption techniques for targeting the anti-cancer drug 5-fluorouracil. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2015, 44, 1-10.	1.9	8
847	Recent advances in magnetic nanoparticle-based multi-modal imaging. <i>Chemical Society Reviews</i> , 2015, 44, 4501-4516.	18.7	494
848	Theoretical and experimental study of ON-Resonance Saturation, an MRI sequence for positive contrast with superparamagnetic nanoparticles. <i>Journal of Magnetic Resonance</i> , 2015, 252, 151-162.	1.2	4
849	Clinical Hepatocyte Transplantation: Practical Limits and Possible Solutions. <i>European Surgical Research</i> , 2015, 54, 162-177.	0.6	94
850	Development of Appropriate Imaging Methods to Trace Cell Fate, Engraftment, and Cell Survival. , 2015, , 529-537.		0
852	Magnetic resonance monitoring of superparamagnetic iron oxide (SPIO)-labeled stem cells transplanted into the inner ear. <i>Neuroscience Research</i> , 2015, 95, 21-26.	1.0	14
853	Magnetic resonance beacon to detect intracellular microRNA during neurogenesis. <i>Biomaterials</i> , 2015, 41, 69-78.	5.7	16
854	Dextrin-coated zinc substituted cobalt-ferrite nanoparticles as an MRI contrast agent: In vitro and in vivo imaging studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 129, 15-20.	2.5	44
855	A systematic study of core size and coating thickness on manganese-doped nanocrystals for high T2 relaxivity as magnetic resonance contrast agent. <i>Nano Convergence</i> , 2015, 2, .	6.3	5
856	Neural and glial progenitor transplantation as a neuroprotective strategy for Amyotrophic Lateral Sclerosis (ALS). <i>Brain Research</i> , 2015, 1628, 343-350.	1.1	39
857	Clinically applicable magnetic-labeling of natural killer cells for MRI of transcatheter delivery to liver tumors: preclinical validation for clinical translation. <i>Nanomedicine</i> , 2015, 10, 1761-1774.	1.7	17
858	Synthesis and design of biologically inspired biocompatible iron oxide nanoparticles for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7831-7849.	2.9	113
859	Iron Oxide Based Nanoparticles for Multimodal Imaging and Magneto-responsive Therapy. <i>Chemical Reviews</i> , 2015, 115, 10637-10689.	23.0	827
860	Tailoring a two-dimensional graphene oxide surface: dual T ₁ and T ₂ MRI contrast agent materials. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5678-5682.	2.9	11
861	Properties of chitosan/magnetite nanoparticles composites for efficient dye adsorption and antibacterial agent. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1688-1693.	1.2	40
862	A multifunctional peptide for targeted imaging and chemotherapy for nasopharyngeal and breast cancers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1425-1434.	1.7	5
863	Bottom-up study of the MRI positive contrast created by the Off-Resonance Saturation sequence. <i>Journal of Magnetic Resonance</i> , 2015, 254, 98-109.	1.2	7

#	ARTICLE	IF	CITATIONS
864	3D Visualization of iron oxide nanoparticles in MRI of inflammatory model. <i>Journal of Visualization</i> , 2015, 18, 563-570.	1.1	4
865	Silica-coated super-paramagnetic iron oxide nanoparticles (SPIONPs): a new type contrast agent of T ₁ magnetic resonance imaging (MRI). <i>Journal of Materials Chemistry B</i> , 2015, 3, 5172-5181.	2.9	106
867	Novel, fast-processed crystalline and amorphous manganese oxide nanoparticles for stem cell labeling. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 640-648.	3.0	6
868	Doxorubicin-loaded magnetic nanocapsules based on N-palmitoyl chitosan and magnetite: Synthesis and characterization. <i>Chemical Engineering Journal</i> , 2015, 279, 188-197.	6.6	38
869	Recent progress on magnetic iron oxide nanoparticles: synthesis, surface functional strategies and biomedical applications. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 023501.	2.8	1,159
870	Elimination of Iron-Containing Magnetic Nanoparticles from the Site of Injection in Mice: a Magnetic-Resonance Imaging Study. <i>Bulletin of Experimental Biology and Medicine</i> , 2015, 158, 807-811.	0.3	5
871	Theranostic Magnetic Nanostructures (MNS) for Cancer. <i>Cancer Treatment and Research</i> , 2015, 166, 51-83.	0.2	30
872	Molecular Engineering of Nonmetallic Biosensors for CEST MRI. <i>ACS Chemical Biology</i> , 2015, 10, 1160-1170.	1.6	39
873	Electrochemical Push-Pull Probe: From Scanning Electrochemical Microscopy to Multimodal Altering of Cell Microenvironment. <i>Analytical Chemistry</i> , 2015, 87, 4479-4486.	3.2	22
874	Multifunctional Nd ³⁺ -sensitized upconversion nanomaterials for synchronous tumor diagnosis and treatment. <i>Nanoscale</i> , 2015, 7, 8574-8583.	2.8	45
875	Magnetic Nanoparticle-Supported Lipid Bilayers for Drug Delivery. <i>Langmuir</i> , 2015, 31, 3326-3332.	1.6	40
876	<i>In vivo</i> visualization and <i>ex vivo</i> quantification of murine breast cancer cells in the mouse brain using MRI cell tracking and electron paramagnetic resonance. <i>NMR in Biomedicine</i> , 2015, 28, 367-375.	1.6	10
877	Preclinical imaging and translational animal models of cancer for accelerated clinical implementation of nanotechnologies and macromolecular agents. <i>Journal of Controlled Release</i> , 2015, 219, 313-330.	4.8	10
878	Advanced cell therapies: targeting, tracking and actuation of cells with magnetic particles. <i>Regenerative Medicine</i> , 2015, 10, 757-772.	0.8	65
879	Rescheduling the process of nanoparticle removal used for water mercury remediation can increase the risk to aquatic organism: evidence of innate immune functions modulation in European eel (<i>Anguilla anguilla</i> L.). <i>Environmental Science and Pollution Research</i> , 2015, 22, 18574-18589.	2.7	5
880	Facile synthesis and functionalization of manganese oxide nanoparticles for targeted T ₁ -weighted tumor MR imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 506-513.	2.5	29
881	Modelling mass and heat transfer in nano-based cancer hyperthermia. <i>Royal Society Open Science</i> , 2015, 2, 150447.	1.1	60
882	Magnetic Iron Oxide Nanoparticles as Contrast Agents: Hydrothermal Synthesis, Characterization and Properties. <i>Solid State Phenomena</i> , 0, 232, 111-145.	0.3	17

#	ARTICLE	IF	CITATIONS
883	Nanoparticles and clinically applicable cell tracking. British Journal of Radiology, 2015, 88, 20150375.	1.0	28
884	A predictive model of iron oxide nanoparticles flocculation tuning Z-potential in aqueous environment for biological application. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	28
885	Highly stable multi-anchored magnetic nanoparticles for optical imaging within biofilms. Journal of Colloid and Interface Science, 2015, 459, 175-182.	5.0	13
886	Synthesis of Water-Dispersible Gd ₂ O ₃ /GO Nanocomposites with Enhanced MRI <i>T</i> ₁ Relaxivity. Journal of Physical Chemistry C, 2015, 119, 23735-23742.	1.5	41
887	Nanocharacterization. , 2015, , 117-180.		4
888	Chelator free gallium-68 radiolabelling of silica coated iron oxide nanorods <i>via</i> surface interactions. Nanoscale, 2015, 7, 14889-14896.	2.8	33
889	Synthesis of dual-functional targeting probes for cancer theranostics based on iron oxide nanoparticles coated by centipede-like polymer connected with pH-responsive anticancer drug. Journal of Biomaterials Science, Polymer Edition, 2015, 26, 1178-1189.	1.9	12
890	Selective assembly of Au-Fe ₃ O ₄ nanoparticle hetero-dimers. Mikrochimica Acta, 2015, 182, 2293-2298.	2.5	10
891	Tuning the relaxation rates of dual-mode <i>T</i> ₁ / <i>T</i> ₂ nanoparticle contrast agents: a study into the ideal system. Nanoscale, 2015, 7, 16119-16128.	2.8	40
892	Proton NMR of water colloidal solutions of nanosized crystalline LaF ₃ and LaF ₃ :Gd ³⁺ particles. Low Temperature Physics, 2015, 41, 67-69.	0.2	1
893	MR Imaging Relaxometry Allows Noninvasive Characterization of in Vivo Differentiation of Muscle Precursor Cells. Radiology, 2015, 274, 800-809.	3.6	6
894	Targeting FR-expressing cells in ovarian cancer with Fab-functionalized nanoparticles: a full study to provide the proof of principle from in vitro to in vivo. Nanoscale, 2015, 7, 2336-2351.	2.8	27
895	Intracellular labeling of mouse embryonic stem cell-derived neural progenitor aggregates with micron-sized particles of iron oxide. Cytotherapy, 2015, 17, 98-111.	0.3	22
896	Regulating exocytosis of nanoparticles via host-guest chemistry. Organic and Biomolecular Chemistry, 2015, 13, 2474-2479.	1.5	40
897	Monodisperse Iron Oxide Nanoparticle-Reduced Graphene Oxide Composites Formed by Self-Assembly in Aqueous Phase. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 283-289.	1.0	12
898	Non-invasive monitoring of transplanted endothelial progenitor cells in diabetic ischemic stroke models. Biomaterials, 2015, 40, 43-50.	5.7	21
899	Biodegradable, polymer encapsulated, metal oxide particles for MRI-based cell tracking. Magnetic Resonance in Medicine, 2015, 73, 376-389.	1.9	39
900	Solid silica nanoparticles: applications in molecular imaging. Contrast Media and Molecular Imaging, 2015, 10, 1-17.	0.4	38

#	ARTICLE	IF	CITATIONS
901	Silica-based nanoparticles: a versatile tool for the development of efficient imaging agents. <i>Chemical Society Reviews</i> , 2015, 44, 4645-4671.	18.7	121
902	Characterization of Fe ₃ O ₄ /SiO ₂ /Gd ₂ O ₃ (CO ₃) ₂ core/shell/shell nanoparticles as T1 and T2 dual mode MRI contrast agent. <i>Talanta</i> , 2015, 131, 661-665.	2.9	60
903	MRI molecular imaging using GLUT1 antibody-Fe ₃ O ₄ nanoparticles in the hemangioma animal model for differentiating infantile hemangioma from vascular malformation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 127-135.	1.7	25
904	Multiwalled carbon nanotube hybrids as MRI contrast agents. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1086-1103.	1.5	17
905	Modification of the surface of superparamagnetic iron oxide nanoparticles to enable their safe application in humans. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5883-5896.	3.3	22
906	Theranostics. , 2016, , 197-215.		16
907	A novel blood-pooling MR contrast agent: Carboxymethyl-diethylaminoethyl dextran magnetite. <i>Molecular Medicine Reports</i> , 2016, 14, 5195-5198.	1.1	2
908	Phosphatidylserine-targeted liposome for enhanced glioma-selective imaging. <i>Oncotarget</i> , 2016, 7, 38693-38706.	0.8	15
909	Stem Cell Imaging: Tools to Improve Cell Delivery and Viability. <i>Stem Cells International</i> , 2016, 2016, 1-16.	1.2	41
910	Current Concept of Stem Cell Therapy for Spinal Cord Injury: A Review. <i>Korean Journal of Neurotrauma</i> , 2016, 12, 40.	0.2	44
911	Non-Temperature Induced Effects of Magnetized Iron Oxide Nanoparticles in Alternating Magnetic Field in Cancer Cells. <i>PLoS ONE</i> , 2016, 11, e0156294.	1.1	27
912	Manganese dioxide nanosheets-based redox/pH-responsive drug delivery system for cancer theranostic application. <i>International Journal of Nanomedicine</i> , 2016, 11, 1759.	3.3	28
913	Dextran-Coated Antiferromagnetic MnO Nanoparticles for a <i>T₁</i> -MRI Contrast Agent with High Colloidal Stability. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 167-176.	1.2	29
914	Functional nanoparticles for magnetic resonance imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 814-841.	3.3	63
915	Labeling Human Melanoma Cells With SPIO. <i>Molecular Imaging</i> , 2016, 15, 153601211562491.	0.7	9
916	Effects of iron oxide nanoparticles on biological responses and <i>MR</i> imaging properties in human mammary healthy and breast cancer epithelial cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1032-1042.	1.6	14
917	Analysis of polyvinyl alcohol microbubbles in human blood plasma using capillary electrophoresis. <i>Journal of Separation Science</i> , 2016, 39, 1551-1558.	1.3	1
918	Encapsulation of hydrophobic or hydrophilic iron oxide nanoparticles into poly(lactic acid) micro/nanoparticles via adaptable emulsion setup. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	1

#	ARTICLE	IF	CITATIONS
919	Dendrimer-based magnetic iron oxide nanoparticles: their synthesis and biomedical applications. <i>Drug Discovery Today</i> , 2016, 21, 1873-1885.	3.2	86
921	Lentiviral transduction and subsequent loading with nanoparticles do not affect cell viability and proliferation in hairâ€œfollicleâ€œderived stem cells <i>in vitro</i>. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 550-560.	0.4	7
922	Systematic Evaluation of Amide Proton Chemical Exchange Saturation Transfer at 3 T. <i>Investigative Radiology</i> , 2016, 51, 635-646.	3.5	23
923	Casp3/7-Instructed Intracellular Aggregation of Fe₃O₄ Nanoparticles Enhances T₂ MR Imaging of Tumor Apoptosis. <i>Nano Letters</i> , 2016, 16, 2686-2691.	4.5	162
924	Peptide-conjugated nanoparticles for targeted imaging and therapy of prostate cancer. <i>Biomaterials</i> , 2016, 99, 1-15.	5.7	102
925	Magnetic resonance imaging/fluorescence dual modality protocol using designed phosphonate ligands coupled to superparamagnetic iron oxide nanoparticles. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3969-3981.	2.9	7
926	Epicardium-Derived Cells Formed After Myocardial Injury Display Phagocytic Activity Permitting In Vivo Labeling and Tracking. <i>Stem Cells Translational Medicine</i> , 2016, 5, 639-650.	1.6	22
927	Regenerative Medicine - from Protocol to Patient. , 2016, , .		1
928	Targeted transplantation of iron oxide-labeled, adipose-derived mesenchymal stem cells in promoting meniscus regeneration following a rabbit massive meniscal defect. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 458-466.	0.8	31
929	Synthesis and characterization of Î²-lactam functionalized superparamagnetic Fe₃O₄@SiO₂ nanoparticles as an approach for improvement of antibacterial activity of Î²-lactams. <i>RSC Advances</i> , 2016, 6, 43376-43387.	1.7	34
930	Contrast agents in diagnostic imaging: Present and future. <i>Pharmacological Research</i> , 2016, 110, 65-75.	3.1	73
931	EDTA capped iron oxide nanoparticles magnetic micelles: drug delivery vehicle for treatment of chronic myeloid leukemia and T1â€œT2 dual contrast agent for magnetic resonance imaging. <i>New Journal of Chemistry</i> , 2016, 40, 9507-9519.	1.4	16
932	Biocompatible caramelized carbonaceous nanospheres supported paramagnetic ultrathin manganese oxide nanosheets via self-sacrificing reduction as a MRI contrast agent for liver imaging. <i>Carbon</i> , 2016, 110, 321-329.	5.4	15
933	Albumin coated arginine-capped magnetite nanoparticles as a paclitaxel vehicle: Physicochemical characterizations and inÂvitro evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 36, 68-74.	1.4	30
934	Prostate Cancer Imaging and Therapy: Potential Role of Nanoparticles. <i>Journal of Nuclear Medicine</i> , 2016, 57, 105S-110S.	2.8	8
935	A computational study of cancer hyperthermia based on vascular magnetic nanoconstructs. <i>Royal Society Open Science</i> , 2016, 3, 160287.	1.1	38
936	Fluorescence-tagged amphiphilic brush copolymer encapsulated Gd2O3core-shell nanostructures for enhancedT1contrast effect and fluorescent imaging. <i>Nanotechnology</i> , 2016, 27, 425101.	1.3	3
938	Dissolution Mechanism of Upconverting AYF₄:Yb,Tm (A = Na or K) Nanoparticles in Aqueous Media. <i>Langmuir</i> , 2016, 32, 8222-8229.	1.6	49

#	ARTICLE	IF	CITATIONS
939	Magnetic nanoparticles-based acoustical detection and hyperthermic treatment of cancer, <i>in vitro</i> and <i>in vivo</i> studies. <i>Journal of Nanophotonics</i> , 2016, 10, 036007.	0.4	5
940	Superparamagnetic iron oxide nanoparticles for MR imaging of pancreatic cancer: Potential for early diagnosis through targeted strategies. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2016, 12, 13-21.	0.7	22
941	Refinement of adsorptive coatings for fluorescent riboflavin- α -receptor- α -targeted iron oxide nanoparticles. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 47-54.	0.4	9
942	Imaging of Cell Trafficking and Cell Tissue Homing. <i>Imaging in Medical Diagnosis and Therapy</i> , 2016, , 509-525.	0.0	0
944	Massive Intracellular Biodegradation of Iron Oxide Nanoparticles Evidenced Magnetically at Single-Endosome and Tissue Levels. <i>ACS Nano</i> , 2016, 10, 7627-7638.	7.3	167
945	<i>In Vivo</i> Magnetic Resonance Imaging of CD8+ T Lymphocytes Recruiting to Glioblastoma in Mice. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2016, 31, 317-323.	0.7	6
946	PEGylated silica-enzyme nanoconjugates: a new frontier in large scale separation of α -amylase. <i>Scientific Reports</i> , 2016, 5, 18221.	1.6	16
947	Poly (dopamine) coated superparamagnetic iron oxide nanocluster for noninvasive labeling, tracking and targeted delivery of adipose tissue-derived stem cells. <i>Scientific Reports</i> , 2016, 6, 18746.	1.6	39
948	Overcoming Mass-Transport Limitations with Optofluidic Plasmonic Biosensors and Particle Trapping. , 2016, , 439-454.		0
949	Multifunctional SPIO/DOX-loaded A54 Homing Peptide Functionalized Dextran-g-PLGA Micelles for Tumor Therapy and MR Imaging. <i>Scientific Reports</i> , 2016, 6, 35910.	1.6	32
950	A New Method for Preparing Mesenchymal Stem Cells and Labeling with Ferumoxytol for Cell Tracking by MRI. <i>Scientific Reports</i> , 2016, 6, 26271.	1.6	43
951	Cellular Imaging With MRI. <i>Topics in Magnetic Resonance Imaging</i> , 2016, 25, 177-186.	0.7	29
952	Small is Smarter: Nano MRI Contrast Agents – Advantages and Recent Achievements. <i>Small</i> , 2016, 12, 556-576.	5.2	147
953	Main applications of hybrid PET-MRI contrast agents: a review. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 92-98.	0.4	27
954	Studying the Effect of a Composition of the Cluster Core in High-Radiopacity Cluster Complexes of Rhenium on Their Acute Toxicity <i>In Vivo</i> . <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 161, 64-68.	0.3	11
955	Magnetic Nanocolloids. , 2016, , 75-129.		3
956	A simple straightforward thermal decomposition synthesis of PEG-covered Gd ₂ O ₃ (Gd ₂ O ₃ @PEG) nanoparticles. <i>Advanced Powder Technology</i> , 2016, 27, 1800-1805.	2.0	12
957	Core/shell Fe ₃ O ₄ /Gd ₂ O ₃ nanocubes as T ₁ -T ₂ dual modal MRI contrast agents. <i>Nanoscale</i> , 2016, 8, 12826-12833.	2.8	108

#	ARTICLE	IF	CITATIONS
958	Non-invasive tracking of CD4+ T cells with a paramagnetic and fluorescent nanoparticle in brain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1464-1476.	2.4	40
959	Induction of Calcium Influx in Cortical Neural Networks by Nanomagnetic Forces. <i>ACS Nano</i> , 2016, 10, 2331-2341.	7.3	88
960	Design of Magnetic Nanoparticles for MRI-Based Theranostics. <i>Springer Series in Biomaterials Science and Engineering</i> , 2016, , 3-37.	0.7	1
961	Dendrimer-Based Nanodevices as Contrast Agents for MR Imaging Applications. <i>Springer Series in Biomaterials Science and Engineering</i> , 2016, , 249-270.	0.7	5
963	Effects of PVA-coated nanoparticles on human T helper cell activity. <i>Toxicology Letters</i> , 2016, 245, 52-58.	0.4	11
964	Multifunctional nanosheets based on folic acid modified manganese oxide for tumor-targeting theranostic application. <i>Nanotechnology</i> , 2016, 27, 025101.	1.3	44
965	Magnetic Resonance Imaging of Iron Oxide-Labeled Human Embryonic Stem Cell-Derived Cardiac Progenitors. <i>Stem Cells Translational Medicine</i> , 2016, 5, 67-74.	1.6	23
966	Amphiphiles with polyethyleneoxideâ€“polyethylenecarbonate chains for hydrophilic coating of iron oxide cores, loading by Gd(III) ions and tuning R2/R1 ratio. <i>Reactive and Functional Polymers</i> , 2016, 99, 107-113.	2.0	5
967	Hybrid lanthanide nanoparticles as a new class of binary contrast agents for in vivo T₁/T₂ dual-weighted MRI and synergistic tumor diagnosis. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2715-2722.	2.9	25
968	Supported polymer magnets with high catalytic performance in the green reduction of nitroaromatic compounds. <i>RSC Advances</i> , 2016, 6, 31514-31525.	1.7	13
969	Improvement of the Off-Resonance Saturation, an MRI sequence for positive contrast with SPM particles: Theoretical and experimental study. <i>Journal of Magnetic Resonance</i> , 2016, 265, 99-107.	1.2	5
970	Nanoparticle-enhanced x-ray therapy for cancer. , 2016, , .		1
971	NMR relaxation induced by iron oxide particles: testing theoretical models. <i>Nanotechnology</i> , 2016, 27, 155706.	1.3	23
973	Phase transfer preparation of ultrasmall MnS nanocrystals with a high performance MRI contrast agent. <i>RSC Advances</i> , 2016, 6, 6878-6887.	1.7	17
974	Quantitative assessment of microvasculopathy in arcA ² mice with USPIO-enhanced gradient echo MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1614-1624.	2.4	29
975	Magneto acoustic tomography with short pulsed magnetic field for in-vivo imaging of magnetic iron oxide nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 689-699.	1.7	29
976	Monitoring/Imaging and Regenerative Agents for Enhancing Tissue Engineering Characterization and Therapies. <i>Annals of Biomedical Engineering</i> , 2016, 44, 750-772.	1.3	18
977	Protein corona acts as a protective shield against Fe ₃ O ₄ -PEG inflammation and ROS-induced toxicity in human macrophages. <i>Toxicology Letters</i> , 2016, 240, 172-184.	0.4	70

#	ARTICLE	IF	CITATIONS
978	Design and pharmacokinetical aspects for the use of inorganic nanoparticles in radiomedicine. British Journal of Radiology, 2016, 89, 20150210.	1.0	9
979	The MRI marker gene <i>MagA</i> attenuates the oxidative damage induced by iron overload in transgenic mice. Nanotoxicology, 2016, 10, 531-541.	1.6	4
980	Nanoparticles for Imaging and Non-viral Gene Therapy. Biosystems and Biorobotics, 2016, , 3-18.	0.2	0
981	Direct synthesis of magnetite nanoparticles from iron(II) carboxymethylcellulose and their performance as NMR contrast agents. Journal of Magnetism and Magnetic Materials, 2016, 397, 28-32.	1.0	22
982	Polyol synthesis, functionalisation, and biocompatibility studies of superparamagnetic iron oxide nanoparticles as potential MRI contrast agents. Nanoscale, 2016, 8, 3278-3287.	2.8	173
983	Synthesis of multifunctional nanocomposites and their application in imaging and targeting tumor cells in vitro. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1236-1246.	1.9	2
984	Direct quantitative ¹³ C-filtered ¹ H magnetic resonance imaging of PEGylated biomacromolecules in vivo. Magnetic Resonance in Medicine, 2017, 77, 1553-1561.	1.9	3
985	Gadolinium-Loaded Poly(<i>N</i> -vinylcaprolactam) Nanogels: Synthesis, Characterization, and Application for Enhanced Tumor MR Imaging. ACS Applied Materials & Interfaces, 2017, 9, 3411-3418.	4.0	60
986	Effects of PEGylation on biomimetic synthesis of magnetoferritin nanoparticles. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	11
987	Ferritin heavy chain as a molecular imaging reporter gene in glioma xenografts. Journal of Cancer Research and Clinical Oncology, 2017, 143, 941-951.	1.2	9
988	Magnetic resonance relaxation induced by superparamagnetic particles used as contrast agents in magnetic resonance imaging: a theoretical review. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1468.	3.3	35
989	Magnetic Core-Shell Nanoparticles for Biomedical Applications. , 2017, , 425-453.		2
990	Preparation of MRI-visible gadolinium methacrylate nanoparticles with low cytotoxicity and high magnetic relaxivity. Journal of Materials Science, 2017, 52, 7625-7636.	1.7	10
991	Molecular imaging of activated platelets via antibody-targeted ultra-small iron oxide nanoparticles displaying unique dual MRI contrast. Biomaterials, 2017, 134, 31-42.	5.7	78
992	Design and Applications of Nanoparticles in Biomedical Imaging. , 2017, , .		15
993	Epitaxially stabilized thin films of γ -Fe ₂ O ₃ (001) grown on YSZ (100). Scientific Reports, 2017, 7, 3712.	1.6	30
994	Phosphatidylserine-Targeted Nanotheranostics for Brain Tumor Imaging and Therapeutic Potential. Molecular Imaging, 2017, 16, 153601211770872.	0.7	15
995	Skin cancer: symptoms, mechanistic pathways and treatment rationale for therapeutic delivery. Therapeutic Delivery, 2017, 8, 265-287.	1.2	13

#	ARTICLE	IF	CITATIONS
996	Complex Magnetic Nanostructures. , 2017, , .		6
997	A novel polymeric micelle used for in vivo MR imaging tracking of neural stem cells in acute ischemic stroke. RSC Advances, 2017, 7, 15041-15052.	1.7	26
998	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.	0.4	9
1000	Basic Principles of In Vivo Distribution, Toxicity, and Degradation of Prospective Inorganic Nanoparticles for Imaging. , 2017, , 9-41.		4
1001	Nanodiamondâ€“Manganese dual mode MRI contrast agents for enhanced liver tumor detection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 783-793.	1.7	46
1002	Antifouling Manganese Oxide Nanoparticles: Synthesis, Characterization, and Applications for Enhanced MR Imaging of Tumors. ACS Applied Materials & Interfaces, 2017, 9, 47-53.	4.0	52
1003	Quantifications of in vivo labeled stem cells based on measurements of magnetic moments. Magnetic Resonance Imaging, 2017, 35, 141-147.	1.0	3
1004	Multispectral MR Imaging and Sensing Using Shaped Nanoparticles. , 2017, , 95-122.		0
1005	Ultrasml Paramagnetic Iron Oxide Nanoprobe Targeting Epidermal Growth Factor Receptor for In Vivo Magnetic Resonance Imaging of Hepatocellular Carcinoma. Bioconjugate Chemistry, 2017, 28, 2794-2803.	1.8	11
1006	Nanoscale Metalâ€“Organic Frameworks Decorated with Graphene Oxide for Magnetic Resonance Imaging Guided Photothermal Therapy. Chemistry - A European Journal, 2017, 23, 17521-17530.	1.7	28
1007	MRI Contrast Enhancement Using Ferritin Genes and Its Application for Evaluating Anticancer Drug Efficacy in Mouse Melanoma Models. Applied Magnetic Resonance, 2017, 48, 1031-1041.	0.6	0
1008	Size-tunable NaGdF ₄ nanoparticles as T ₂ contrast agents for high-field magnetic resonance imaging. RSC Advances, 2017, 7, 43125-43131.	1.7	10
1009	Enzymeâ€“Responsive LipoCEST Agents: Assessment of MMPâ€“2 Activity by Measuring the Intraâ€“Liposomal Water ¹ Hâ€“NMR Shift. Angewandte Chemie - International Edition, 2017, 56, 12170-12173.	7.2	19
1010	The effect of Al substitution on the structural and magnetic properties of epitaxial thin films of epsilon ferrite. Scripta Materialia, 2017, 140, 63-66.	2.6	20
1011	Core@shell Fe ₃ O ₄ @Mn ²⁺ -doped NaYF ₄ :Yb/Tm nanoparticles for triple-modality T ₁ /T ₂ -weighted MRI and NIR-to-NIR upconversion luminescence imaging agents. RSC Advances, 2017, 7, 37929-37937.	1.7	21
1012	Enzymeâ€“Responsive LipoCEST Agents: Assessment of MMPâ€“2 Activity by Measuring the Intraâ€“Liposomal Water ¹ Hâ€“NMR Shift. Angewandte Chemie, 2017, 129, 12338-12341.	1.6	7
1013	Two novel direct SPIO labels and in vivo MRI detection of labeled cells after acute myocardial infarct. Acta Radiologica Open, 2017, 6, 205846011771840.	0.3	1
1015	Electron tomography and nano-diffraction enabling the investigation of individual magnetic nanoparticles inside fibers of MR visible implants. Journal Physics D: Applied Physics, 2017, 50, 315303.	1.3	6

#	ARTICLE	IF	CITATIONS
1016	MRI based on iron oxide nanoparticles contrast agents: effect of oxidation state and architecture. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	38
1017	A facile and highly efficient short-time homogenization hydrothermal approach for the smart production of high-quality Fe_2O_3 for rechargeable lithium batteries. Journal of Materials Chemistry A, 2017, 5, 16712-16721.	5.2	45
1018	Fe_3O_4 nanoparticles modified by CD-containing star polymer for MRI and drug delivery. Colloids and Surfaces B: Biointerfaces, 2017, 158, 213-221.	2.5	32
1019	Enhancement of T ₂ -weighted MR contrast using heparin for cell tracking in vivo. Journal of Industrial and Engineering Chemistry, 2017, 55, 183-190.	2.9	3
1020	MRI-based Sensors for <i>In Vivo</i> Imaging of Metal Ions in Biology. Israel Journal of Chemistry, 2017, 57, 843-853.	1.0	5
1021	Experimental measurement of dynamic concentration of nanofluid in laminar flow. Experimental Thermal and Fluid Science, 2017, 88, 483-489.	1.5	7
1022	Gadolinium hybrid iron oxide nanocomposites for dual T ₁ - and T ₂ -weighted MR imaging of cell labeling. Biomaterials Science, 2017, 5, 50-56.	2.6	18
1023	Dual-modality NIRF-MRI cubosomes and hexosomes: High throughput formulation and in vivo biodistribution. Materials Science and Engineering C, 2017, 71, 584-593.	3.8	66
1024	Iron Oxide Nanoparticle Based Contrast Agents for Magnetic Resonance Imaging. Molecular Pharmaceutics, 2017, 14, 1352-1364.	2.3	250
1025	Autonomous magnetic labelling of functional mesenchymal stem cells for improved traceability and spatial control in cell therapy applications. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2333-2348.	1.3	41
1026	Relaxometry and contrast agents for MRI. , 2017, , 313-345.		2
1027	Diffusion tensor imaging as a biomarker for assessing neuronal stem cell treatments affecting areas distal to the site of spinal cord injury. Journal of Neurosurgery: Spine, 2017, 26, 243-251.	0.9	15
1028	Vascular targeting of nanoparticles for molecular imaging of diseased endothelium. Advanced Drug Delivery Reviews, 2017, 113, 141-156.	6.6	64
1030	The Application, Neurotoxicity, and Related Mechanism of Silica Nanoparticles. , 2017, , 227-257.		6
1031	Tracking stem cells with superparamagnetic iron oxide nanoparticles: perspectives and considerations. International Journal of Nanomedicine, 2017, Volume 12, 779-793.	3.3	65
1032	4.39 Hybrid Magnetic Nanoparticles for Targeted Delivery. , 2017, , 750-771.		1
1033	Nanomaterials: promising structures for the management of Oral cancer. , 2017, , 511-544.		21
1034	Synthesis and In Vitro Characterization of Fe ³⁺ -Doped Layered Double Hydroxide Nanorings as a Potential Imageable Drug Delivery System. Materials, 2017, 10, 1140.	1.3	11

#	ARTICLE	IF	CITATIONS
1035	Nanogels for biomedical applications. , 2017, , 87-124.		8
1036	Nanoparticles as Theranostic Vehicles in Experimental and Clinical Applicationsâ€”Focus on Prostate and Breast Cancer. International Journal of Molecular Sciences, 2017, 18, 1102.	1.8	59
1037	Progress of nanoparticles research in cancer therapy and diagnosis. , 2017, , 159-176.		2
1038	Probiotics as a Tool to Biosynthesize Metallic Nanoparticles: Research Reports and Patents Survey. Recent Patents on Drug Delivery and Formulation, 2017, 11, 5-18.	2.1	9
1039	The Effectiveness of Ferritin as a Contrast Agent for Cell Tracking MRI in Mouse Cancer Models. Yonsei Medical Journal, 2017, 58, 51.	0.9	6
1040	Multifunctional nanomedicine with silica: Role of silica in nanoparticles for theranostic, imaging, and drug monitoring. Journal of Colloid and Interface Science, 2018, 521, 261-279.	5.0	140
1041	CESTâ€”MRI studies of cells loaded with lanthanide shift reagents. Magnetic Resonance in Medicine, 2018, 80, 1626-1637.	1.9	15
1042	Potential use of superparamagnetic iron oxide nanoparticles for in vitro and in vivo bioimaging of human myoblasts. Scientific Reports, 2018, 8, 3682.	1.6	73
1043	A new route for the preparation of CoAl ₂ O ₄ nanoblu pigment with high uniformity and its optical properties. Journal of Sol-Gel Science and Technology, 2018, 86, 206-216.	1.1	40
1044	Magnetic interactions and <i>in vitro</i> study of biocompatible hydrocaffeic acid-stabilized Feâ€”Pt clusters as MRI contrast agents. RSC Advances, 2018, 8, 14694-14704.	1.7	9
1045	Evaluate the Cytotoxicity of Kojic Acid Nanocomposites on Melanoma Cells and Normal Cells of the Skin. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 0, 36, 45-55.	0.5	3
1046	PEGylated Iron Oxide Nanoparticles for pH Responsive Drug Delivery Application. Materials Today: Proceedings, 2018, 5, 9715-9725.	0.9	29
1047	Gas vesicles as collapsible MRI contrast agents. Nature Materials, 2018, 17, 386-387.	13.3	6
1048	Iron(III) Coordinated Polymeric Nanomaterial: A Next-Generation Theranostic Agent for High-Resolution T ₁ -Weighted Magnetic Resonance Imaging and Anticancer Drug Delivery. ACS Biomaterials Science and Engineering, 2018, 4, 1738-1749.	2.6	18
1049	Multifunctional hybrid nanoconstruct of zerovalent iron and carbon dots for magnetic resonance angiography and optical imaging: An <i>In Vivo</i> study. Biomaterials, 2018, 171, 46-56.	5.7	36
1050	Burgeoning tool of biomedical applications - Superparamagnetic nanoparticles. Journal of Alloys and Compounds, 2018, 752, 332-353.	2.8	55
1051	Magnetic resonance imaging quantification and biodistribution of magnetic nanoparticles using <i>T₁</i> -enhanced contrast. Journal of Materials Chemistry B, 2018, 6, 1470-1478.	2.9	6
1052	Multimodality Imaging of Silica and Silicon Materials <i>In Vivo</i> . Advanced Materials, 2018, 30, e1703651.	11.1	53

#	ARTICLE	IF	CITATIONS
1053	Recent Development of Inorganic Nanoparticles for Biomedical Imaging. ACS Central Science, 2018, 4, 324-336.	5.3	196
1054	¹⁹ F-perfluorocarbon-labeled human peripheral blood mononuclear cells can be detected in vivo using clinical MRI parameters in a therapeutic cell setting. Scientific Reports, 2018, 8, 590.	1.6	42
1055	Construction of Hybrid Alginate Nanogels Loaded with Manganese Oxide Nanoparticles for Enhanced Tumor Magnetic Resonance Imaging. ACS Macro Letters, 2018, 7, 137-142.	2.3	27
1056	Multimodal doxorubicin loaded magnetic nanoparticles for VEGF targeted theranostics of breast cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1733-1742.	1.7	56
1057	3D printing: prospects and challenges. , 2018, , 299-379.		8
1058	Polymer-based gadolinium oxide nanocomposites for FL/MR/PA imaging guided and photothermal/photodynamic combined anti-tumor therapy. Journal of Controlled Release, 2018, 277, 77-88.	4.8	55
1059	Preclinical evaluation of severely defective manganese-based nanocrystal as a liver-specific contrast media for MR imaging: comparison with Gd-EOB-DTPA and MnDPDP. Nanotechnology, 2018, 29, 225101.	1.3	1
1060	Doxorubicin-loaded Fe ₃ O ₄ @MoS ₂ -PEG-2DG nanocubes as a theranostic platform for magnetic resonance imaging-guided chemo-photothermal therapy of breast cancer. Nano Research, 2018, 11, 2470-2487.	5.8	50
1061	Nanoparticle-Based Therapeutics for Brain Injury. Advanced Healthcare Materials, 2018, 7, 1700668.	3.9	93
1062	Two decades of dendrimers as versatile MRI agents: a tale with and without metals. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1496.	3.3	42
1063	PET-based imaging to detect and characterize cardiovascular disorders: Unavoidable path for the foreseeable future. Journal of Nuclear Cardiology, 2018, 25, 203-207.	1.4	14
1064	Paramagnetic colloidal ferrihydrite nanoparticles for MRI contrasting. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 46-52.	2.3	15
1065	Surface manganese substitution in magnetite nanocrystals enhances ¹ T ₁ contrast ability by increasing electron spin relaxation. Journal of Materials Chemistry B, 2018, 6, 401-413.	2.9	32
1066	Dendron-Grafted Polylysine-Based Dual-Modal Nanoprobe for Ultra-Early Diagnosis of Pancreatic Precancerosis via Targeting a Urokinase-Type Plasminogen Activator Receptor. Advanced Healthcare Materials, 2018, 7, 1700912.	3.9	21
1068	Novel Biocompatible and Biodegradable PCL-PLA/ Iron Oxide NPs Marker Clip Composite for Breast Cancer Biopsy. Polymers, 2018, 10, 1307.	2.0	7
1069	Effectiveness of Iron Oxide Nanoparticles for MR Imaging and Tissue Ablation. Current Nanomedicine, 2018, 8, .	0.2	0
1070	Engineering molecular imaging strategies for regenerative medicine. Bioengineering and Translational Medicine, 2018, 3, 232-255.	3.9	16
1071	Biomedical Applications of Functional Micro-/Nanoimaging Probes. Engineering Materials, 2018, , 37-71.	0.3	0

#	ARTICLE	IF	CITATIONS
1072	Chitosan enhances gene delivery of oligonucleotide complexes with magnetic nanoparticlesâ€“cell-penetrating peptide. <i>Journal of Biomaterials Applications</i> , 2018, 33, 392-401.	1.2	70
1073	Proposal to use superparamagnetic nanoparticles to test the role of cryptochrome in magnetoreception. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180587.	1.5	4
1074	Nanomedicines guided nanoimaging probes and nanotherapeutics for early detection of lung cancer and abolishing pulmonary metastasis: Critical appraisal of newer developments and challenges to clinical transition. <i>Journal of Controlled Release</i> , 2018, 292, 29-57.	4.8	41
1075	Targeted Molecular Magnetic Resonance Imaging Detects Brown Adipose Tissue with Ultrasmall Superparamagnetic Iron Oxide. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	4
1076	Possibility to use of the Fe ₃ O ₄ /Ta ₂ O ₅ core-shell nanoparticles in radiotherapy. <i>EPJ Web of Conferences</i> , 2018, 185, 10008.	0.1	0
1077	MRI tracking of polyethylene glycol-coated superparamagnetic iron oxide-labelled placenta-derived mesenchymal stem cells toward glioblastoma stem-like cells in a mouse model. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 448-459.	1.9	20
1078	Optimization of molecularly targeted MRI in the brain: empirical comparison of sequences and particles. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4345-4359.	3.3	15
1079	Magnetic Nanoparticle Anchored Deep Eutectic Solvents as a Catalyst for the Etherification and Amination of Naphthols. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4372-4380.	2.1	12
1080	Advances in Functional Micro-/Nanoimaging Probes. <i>Engineering Materials</i> , 2018, , .	0.3	18
1081	Targeted Iron Oxide (Nano)particles Used as MRI Contrast Agent in Small Animal Models. , 2018, , 135-164.		3
1082	Alternating-Magnetic-Field-Mediated Wireless Manipulations of a Liquid Metal for Therapeutic Bioengineering. <i>IScience</i> , 2018, 3, 134-148.	1.9	66
1083	Noninvasive imaging of nanoparticle-labeled transplant populations within polymer matrices for neural cell therapy. <i>Nanomedicine</i> , 2018, 13, 1333-1348.	1.7	2
1085	Magnetic resonance imaging contrast enhancement in vitro and in vivo by octanuclear iron-oxo cluster-based agents. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 176-186.	1.5	3
1086	Timeâ€“Dependent T ₁ â€“T ₂ Switchable Magnetic Resonance Imaging Realized by c(RGDyK) Modified Ultrasmall Fe ₃ O ₄ Nanoprobes. <i>Advanced Functional Materials</i> , 2018, 28, 1802281.	7.8	50
1087	Temporal window for detection of inflammatory disease using dynamic cell tracking with time-lapse MRI. <i>Scientific Reports</i> , 2018, 8, 9563.	1.6	13
1088	Considerations for the Human Health Implications of Nanotheranostics. , 2018, , 279-303.		3
1089	Synthesis, Stability and Relaxivity of TEEPO-Met: An Organic Radical as a Potential Tumour Targeting Contrast Agent for Magnetic Resonance Imaging. <i>Molecules</i> , 2018, 23, 1034.	1.7	11
1090	Current Application of Capillary Electrophoresis in Nanomaterial Characterisation and Its Potential to Characterise the Protein and Small Molecule Corona. <i>Nanomaterials</i> , 2018, 8, 99.	1.9	30

#	ARTICLE	IF	CITATIONS
1091	Nanomaterial Endocytosis: Estimation of Particles Per Cell by Magnetic Measurement. IEEE Magnetics Letters, 2018, 9, 1-5.	0.6	3
1092	Bacterial Ferrihydrite Nanoparticles: Preparation, Magnetic Properties, and Application in Medicine. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2297-2304.	0.8	29
1093	Multifunctional Magnetic Nanoparticles for Theranostic Applications. , 2018, , 335-370.		1
1094	Wheat germ agglutinin modified magnetic iron oxide nanocomplex as a cell membrane specific receptor target material for killing breast cancer cells. Journal of Materials Chemistry B, 2018, 6, 5729-5737.	2.9	10
1095	Magnetic delivery of Fe ₃ O ₄ @polydopamine nanoparticle-loaded natural killer cells suggest a promising anticancer treatment. Biomaterials Science, 2018, 6, 2714-2725.	2.6	86
1096	Anchoring Ligand-Effect on Bright Contrast-Enhancing Property of Hollow Mn ₃ O ₄ Nanoparticle in T ₁ -Weighted Magnetic Resonance Imaging. Chemistry of Materials, 2018, 30, 4056-4064.	3.2	15
1097	Synthesis of Magnetic Iron Oxide Nanoparticles. , 2018, , 145-181.		10
1098	Applications of Nanotechnology for Regenerative Medicine; Healing Tissues at the Nanoscale. , 2019, , 485-504.		20
1099	Characterization of Magnetic Nanoparticle-Seeded Microspheres for Magnetomotive and Multimodal Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-14.	1.9	4
1100	Precisely Tuning the Contrast Properties of Zn _x Fe _{3-x} O ₄ Nanoparticles in Magnetic Resonance Imaging by Controlling Their Doping Content and Size. Chemistry of Materials, 2019, 31, 7255-7264.	3.2	25
1101	D-mannose-Coating of Maghemite Nanoparticles Improved Labeling of Neural Stem Cells and Allowed Their Visualization by <i>ex vivo</i> MRI after Transplantation in the Mouse Brain. Cell Transplantation, 2019, 28, 553-567.	1.2	17
1102	Labeling Stem Cells with a New Hybrid Bismuth/Carbon Nanotube Contrast Agent for X-Ray Imaging. Contrast Media and Molecular Imaging, 2019, 2019, 1-11.	0.4	7
1103	Facile and low-cost synthesis of pure hematite (Î±-Fe ₂ O ₃) nanoparticles from naturally occurring laterites and their superior adsorption capability towards acid-dyes. RSC Advances, 2019, 9, 21249-21257.	1.7	29
1104	Advances in Applications of Metal Oxide Nanomaterials as Imaging Contrast Agents. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1801008.	0.8	14
1105	Iron oxide nanoparticles: Diagnostic, therapeutic and theranostic applications. Advanced Drug Delivery Reviews, 2019, 138, 302-325.	6.6	731
1106	Medical Imaging Methods. , 2019, , .		0
1107	Dual-modality imaging of endothelial progenitor cells transplanted after ischaemic photothrombotic stroke. Life Sciences, 2019, 239, 116774.	2.0	8
1108	Phase Composition and Magnetic Properties of Fe ₂ O ₃ â€“FeOâ€“Gd ₂ O ₃ Powders after High-Energy Ball Milling and Thermal Treatment. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 1275-1281.	0.1	2

#	ARTICLE	IF	CITATIONS
1109	Ultrastable and Biofunctionalizable Conjugated Polymer Nanoparticles with Encapsulated Iron for Ferroptosis Assisted Chemodynamic Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 4852-4866.	2.3	33
1110	nCP:Fe ²⁺ A Biomineral Magnetic Nanocontrast Agent for Tracking Implanted Stem Cells in Brain Using MRI. <i>ACS Applied Bio Materials</i> , 2019, 2, 5390-5403.	2.3	8
1111	Toxicity Patterns of Clinically Relevant Metal Oxide Nanoparticles. <i>ACS Applied Bio Materials</i> , 2019, 2, 4427-4435.	2.3	21
1112	Introducing Specificity to Iron Oxide Nanoparticle Imaging by Combining ⁵⁷ Fe-Based MRI and Mass Spectrometry. <i>Nano Letters</i> , 2019, 19, 7908-7917.	4.5	26
1113	Feraheme (Ferumoxytol) Is Recognized by Proinflammatory and Anti-inflammatory Macrophages via Scavenger Receptor Type AI/II. <i>Molecular Pharmaceutics</i> , 2019, 16, 4274-4281.	2.3	23
1115	Preparation and Characterization of a New Low Refractive Index Ferrofluid. <i>Materials</i> , 2019, 12, 1658.	1.3	5
1116	Facile synthesis of multifunctional nanocomposites with good compatibility for efficient dual-mode T1 and T2 magnetic resonance imaging and gene delivery. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 2019-2030.	1.6	2
1117	Biomedical applications of magnetite nanoparticles. , 2019, , 397-434.		9
1118	Silicon Nanoparticles Prepared by Plasma-Assisted Ablative Synthesis: Physical Properties and Potential Biomedical Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800897.	0.8	9
1119	Poly(acrylic acid)-Coated Iron Oxide Nanoparticles interact with mononuclear phagocytes and decrease platelet aggregation. <i>Cellular Immunology</i> , 2019, 338, 51-62.	1.4	7
1120	Magnetic Manipulation of Blood Conductivity with Superparamagnetic Iron Oxide-Loaded Erythrocytes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11194-11201.	4.0	7
1121	Protein-Engineered Functional Materials. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801374.	3.9	48
1122	Tunable Magnetic Properties of (Gd,Ce) ₂ O ₂ S Oxysulfide Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 741-741.	1.0	0
1123	Toward the Development of a Novel Diagnostic Nano-Imaging Platform for Lung Cancer. , 2019, , 269-292.		0
1124	Inorganic and organic-inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance. , 2019, , 47-99.		8
1125	Impact of metallic trace elements on relaxivities of iron-oxide contrast agents. <i>RSC Advances</i> , 2019, 9, 30932-30936.	1.7	1
1126	Superparamagnetic iron oxides as MPI tracers: A primer and review of early applications. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 293-301.	6.6	136
1127	Magnetocaloric materials as switchable high contrast ratio MRI labels. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2238-2246.	1.9	9

#	ARTICLE	IF	CITATIONS
1128	Polyethylene glycol-coated manganese-ferrite nanoparticles as contrast agents for magnetic resonance imaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 137-145.	1.0	31
1129	Targeted arsenite-loaded magnetic multifunctional nanoparticles for treatment of hepatocellular carcinoma. <i>Nanotechnology</i> , 2019, 30, 175101.	1.3	31
1130	Tunable Magnetic Properties of (Gd,Ce) ₂ O ₂ S Oxysulfide Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 762-765.	1.0	4
1131	Stimuli-Responsive Nanomaterials for Drug Delivery. , 2019, , 375-424.		4
1132	Magnetofluorescent nanohybrid comprising polyglycerol grafted carbon dots and iron oxides: Colloidal synthesis and applications in cellular imaging and magnetically enhanced drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 842-850.	2.5	28
1133	âœMagnus nano-bulletsâ€•as T1/T2 based dual-modal for in vitro and in vivo MRI visualization. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 15, 264-273.	1.7	28
1134	Quantitative CT and 19F-MRI tracking of perfluorinated encapsulated mesenchymal stem cells to assess graft immunorejection. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 147-156.	1.1	7
1135	Bifunctional Labeling of Rabbit Mesenchymal Stem Cells for MR Imaging and Fluorescence Microscopy. <i>Molecular Imaging and Biology</i> , 2020, 22, 303-312.	1.3	1
1136	Polymerized graphene oxide/MnCe0.5Fe1.5O4 nanoferrofluid as a T2- and T2*-weighted contrast agent for magnetic resonance imaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110555.	2.5	8
1137	Synthesis, Characterization, and In Vitro Study of Dextrin-Coated Bismuth-Doped Manganese Ferrite Nanoparticles (Bio.3Mno.55Fe2O4) as an MRI Contrast Agent. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 859-865.	0.8	4
1138	Radiolabeled PET/MRI Nanoparticles for Tumor Imaging. <i>Journal of Clinical Medicine</i> , 2020, 9, 89.	1.0	58
1139	Nano-immunoimaging. <i>Nanoscale Horizons</i> , 2020, 5, 628-653.	4.1	22
1140	Bioactive iron oxide nanoparticles suppress osteoclastogenesis and ovariectomy-induced bone loss through regulating the TRAF6-p62-CYLD signaling complex. <i>Acta Biomaterialia</i> , 2020, 103, 281-292.	4.1	38
1141	Encapsulation of superparamagnetic iron oxide nanoparticles with polyaspartamide biopolymer for hyperthermia therapy. <i>European Polymer Journal</i> , 2020, 122, 109396.	2.6	14
1142	Clinical Applications of Tumor-targeted Systems. , 2020, , 437-456.		1
1143	Updates on the applications of iron-based nanoplatforms in tumor theranostics. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119815.	2.6	10
1144	A nephrotoxicity-free, iron-based contrast agent for magnetic resonance imaging of tumors. <i>Biomaterials</i> , 2020, 257, 120234.	5.7	21
1145	Potential Toxicity of Iron Oxide Magnetic Nanoparticles: A Review. <i>Molecules</i> , 2020, 25, 3159.	1.7	236

#	ARTICLE	IF	CITATIONS
1146	The Future of PET-MRI Beyond "PET Plus MRI". <i>Advances in Clinical Radiology</i> , 2020, 2, 165-190.	0.1	1
1147	Delicately Designed Cancer Cell Membrane-Camouflaged Nanoparticles for Targeted ¹⁹ F MR/PA/FL Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57290-57301.	4.0	38
1148	Magnetomotive Ultrasound Imaging Systems: Basic Principles and First Applications. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 2636-2650.	0.7	20
1149	Mn(II) chelate-coated superparamagnetic iron oxide nanocrystals as high-efficiency magnetic resonance imaging contrast agents. <i>Nanoscale Advances</i> , 2020, 2, 2752-2757.	2.2	4
1150	A novel approach for the removal of chromium (VI) from aqueous solutions using nano iron oxide. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-16.	1.8	2
1151	Applications of superparamagnetic iron oxide nanoparticles in drug and therapeutic delivery, and biotechnological advancements. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1092-1109.	1.5	52
1152	Synthesis of Magnetite Nanorods from the Reduction of Iron Oxy-Hydroxide with Hydrazine. <i>ACS Omega</i> , 2020, 5, 22440-22448.	1.6	24
1153	A novel Fe ₂ O ₃ @MoS ₂ QDs heterostructure for enhanced visible-light photocatalytic performance using ultrasonication approach. <i>Ceramics International</i> , 2020, 46, 19600-19608.	2.3	21
1154	A study on influence of superparamagnetic iron oxide nanoparticles (SPIONs) on green gram (Vigna) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5	0.8	19
1155	Synthesis and characterization of semiconductor CoAl ₂ O ₄ for optical and dielectric studies: Application to photodegradation of organic pollutants under visible light. <i>Optik</i> , 2020, 219, 165038.	1.4	34
1156	Magnetic Nanoparticles in Cancer Therapy and Diagnosis. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901058.	3.9	261
1157	Scalable magnet geometries enhance tumour targeting of magnetic nano-carriers. <i>Materials and Design</i> , 2020, 191, 108610.	3.3	11
1158	Quasi-amorphous and Hierarchical Fe ₂ O ₃ Supraparticles: Active ¹ H-Weighted Magnetic Resonance Imaging <i>in Vivo</i> and Renal Clearance. <i>ACS Nano</i> , 2020, 14, 4036-4044.	7.3	47
1159	Magnetic core-shell nanowires as MRI contrast agents for cell tracking. <i>Journal of Nanobiotechnology</i> , 2020, 18, 42.	4.2	26
1160	Quantification and characterization of granulocyte macrophage colony-stimulating factor activated human peripheral blood mononuclear cells by fluorine-19 cellular MRI in an immunocompromised mouse model. <i>Diagnostic and Interventional Imaging</i> , 2020, 101, 577-588.	1.8	7
1161	A powerless iron oxide based magnetometer. <i>Microsystem Technologies</i> , 2020, 26, 2487-2498.	1.2	1
1162	Janus Magnetic-Plasmonic Nanoparticles for Magnetically Guided and Thermally Activated Cancer Therapy. <i>Small</i> , 2020, 16, e1904960.	5.2	84
1163	Mechanisms for cellular uptake of nanosized clinical MRI contrast agents. <i>Nanotoxicology</i> , 2020, 14, 504-532.	1.6	26

#	ARTICLE	IF	CITATIONS
1164	Metal Oxysulfides: From Bulk Compounds to Nanomaterials. <i>Frontiers in Chemistry</i> , 2020, 8, 179.	1.8	38
1165	Applications of Iron Oxide Nanoparticles in the Magnetic Resonance Imaging for the Cancer Diagnosis. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 115-158.	0.3	0
1166	Nanoparticles and prostate cancer. , 2021, , 275-318.		4
1167	Systematic imaging in medicine: a comprehensive review. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1736-1758.	3.3	13
1168	Applications of Nanobiomaterials in the Therapy and Imaging of Acute Liver Failure. <i>Nano-Micro Letters</i> , 2021, 13, 25.	14.4	62
1169	Medical imaging of tissue engineering and regenerative medicine constructs. <i>Biomaterials Science</i> , 2021, 9, 301-314.	2.6	9
1170	Multifield and inverse contrast switching of magnetocaloric high contrast ratio MRI labels. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 506-517.	1.9	5
1171	Fundamental Physics of Nuclear Magnetic Resonance. <i>Biological and Medical Physics Series</i> , 2021, , 11-114.	0.3	0
1172	Smart Platforms for Biomedical Applications. <i>Springer Series in Materials Science</i> , 2021, , 353-379.	0.4	0
1173	Iron(III) chelated paramagnetic polymeric nanoparticle formulation as a next-generation T ₁ -weighted MRI contrast agent. <i>RSC Advances</i> , 2021, 11, 32216-32226.	1.7	10
1174	Cell Surveillance Using Magnetic Resonance Imaging. , 2021, , 811-829.		0
1175	Molecular and Functional Imaging and Theranostics of the Tumor Microenvironment. , 2021, , 1007-1029.		1
1176	Green, scalable, low cost and reproducible flow synthesis of biocompatible PEG-functionalized iron oxide nanoparticles. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1961-1973.	1.9	12
1177	Magnetic nanoparticles for components of MRI diagnostics and electronic devices. <i>Journal of the Belarusian State University Physics</i> , 2021, , 12-19.	0.1	0
1178	EGFR-specific single-chain variable fragment antibody-conjugated Fe ₃ O ₄ /Au nanoparticles as an active MRI contrast agent for NSCLC. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 581-591.	1.1	11
1179	Engineering Nano-Therapeutics to Boost Adoptive Cell Therapy for Cancer Treatment. <i>Small Methods</i> , 2021, 5, e2001191.	4.6	31
1180	Highly Efficient T ₂ Cobalt Ferrite Nanoparticles Vectorized for Internalization in Cancer Cells. <i>Pharmaceuticals</i> , 2021, 14, 124.	1.7	7
1181	Potential of Magnetic Hyperthermia to Stimulate Localized Immune Activation. <i>Small</i> , 2021, 17, e2005241.	5.2	35

#	ARTICLE	IF	CITATIONS
1182	Fe/Mn Multilayer Nanowires as High-Performance T1-T2 Dual Modal MRI Contrast Agents. <i>Materials</i> , 2021, 14, 2238.	1.3	7
1183	Recent advances in iron oxide nanoparticles for brain cancer theranostics: from <i>in vitro</i> to clinical applications. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 1-29.	2.4	17
1184	Recent Advances in the Development of Magnetic Nanoparticles for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2705-2741.	0.9	8
1185	Effects of labeling human mesenchymal stem cells with superparamagnetic zinc-nickel ferrite nanoparticles on cellular characteristics and adipogenesis/osteogenesis differentiation. <i>Biotechnology Letters</i> , 2021, 43, 1659-1673.	1.1	4
1186	Simultaneous quantification of SPIO and gadolinium contrast agents using MR fingerprinting. <i>Magnetic Resonance Imaging</i> , 2021, 79, 121-129.	1.0	2
1187	In vitro sustained release of gallic acid from the size-controlled PEGylated magnetite nanoparticles. <i>Chemical Papers</i> , 2021, 75, 5339-5352.	1.0	5
1188	Magneto-Activation and Magnetic Resonance Imaging of Natural Killer Cells Labeled with Magnetic Nanocomplexes for the Treatment of Solid Tumors. <i>ACS Nano</i> , 2021, 15, 12780-12793.	7.3	36
1189	Paclitaxel-Loaded Magnetic Nanoparticles Based on Biotinylated N-Palmitoyl Chitosan: Synthesis, Characterization and Preliminary In Vitro Studies. <i>Molecules</i> , 2021, 26, 3467.	1.7	9
1190	Investigation of structural differences of silica, silver and iron nanoparticles on the proliferation of human lung cancer. <i>Pharmacy & Pharmacology International Journal</i> , 2021, 9, 137-141.	0.1	1
1192	Folate receptor-targeted nanoprobe for molecular imaging of cancer: Friend or foe?. <i>Nano Today</i> , 2021, 39, 101173.	6.2	16
1193	Magnetic microspheres can be used for magnetic particle imaging of cancer cells arrested in the mouse brain. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 312-322.	1.9	14
1194	Biotinylated Mn ₃ O ₄ nanocuboids for targeted delivery of gemcitabine hydrochloride to breast cancer and MRI applications. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120895.	2.6	15
1195	Magnetic nanoparticles: From the nanostructure to the physical properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 543, 168594.	1.0	45
1196	One-pot synthesis of carboxymethyl-dextran coated iron oxide nanoparticles (CION) for preclinical fMRI and MRA applications. <i>NeuroImage</i> , 2021, 238, 118213.	2.1	19
1197	Options for imaging cellular therapeutics in vivo: a multi-stakeholder perspective. <i>Cytotherapy</i> , 2021, 23, 757-773.	0.3	9
1198	Advanced Delivery Systems Based on Lysine or Lysine Polymers. <i>Molecular Pharmaceutics</i> , 2021, 18, 3652-3670.	2.3	26
1199	MoS ₂ -based nanocomposites for cancer diagnosis and therapy. <i>Bioactive Materials</i> , 2021, 6, 4209-4242.	8.6	129
1200	Ratiometric magnetic resonance imaging: Contrast agent design towards better specificity and quantification. <i>Coordination Chemistry Reviews</i> , 2021, 447, 214150.	9.5	14

#	ARTICLE	IF	CITATIONS
1201	Protein-nanoparticle interactions and a new insight. <i>Soft Matter</i> , 2021, 17, 3855-3875.	1.2	24
1202	Size and PEG Length-Controlled PEGylated Monocrystalline Superparamagnetic Iron Oxide Nanocomposite for MRI Contrast Agent. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 201-211.	3.3	23
1204	Force Spectroscopy with Optical and Magnetic Tweezers. , 2008, , 23-96.		15
1205	(Super)paramagnetic Nanoparticles: Applications in Noninvasive MR Imaging of Stem Cell Transfer. , 2008, , 91-140.		3
1206	Magnetic Nanosensors for Probing Molecular Interactions. , 2008, , 183-197.		3
1207	Applications of Magnetic Nanoparticles in Biomedicine. , 2009, , 591-626.		367
1208	Magnetic Nanoparticles for Biomedical Applications: From Diagnosis to Treatment to Regeneration. , 2014, , 567-583.		10
1209	Iron Oxide Nanoparticles and Derivatives for Biomedical Imaging and Application in Cancer Diagnosis and Therapy. , 2013, , 1-14.		2
1210	Applications of Small-Animal Molecular Imaging in Drug Development. , 2014, , 715-752.		1
1211	Determining the Relaxivity Values of Protein Cage-Templated Nanoparticles Using Magnetic Resonance Imaging. <i>Methods in Molecular Biology</i> , 2015, 1252, 39-50.	0.4	2
1212	Paramagnetic Nanoparticles. <i>Methods in Pharmacology and Toxicology</i> , 2016, , 113-136.	0.1	7
1213	Imaging Inflamed Synovial Joints. <i>Methods in Molecular Medicine</i> , 2007, 135, 3-26.	0.8	6
1214	Superparamagnetic Iron Oxide Labeling of Stem Cells for MRI Tracking and Delivery in Cardiovascular Disease. <i>Methods in Molecular Biology</i> , 2010, 660, 171-183.	0.4	35
1215	MRI of Transplanted Neural Stem Cells. <i>Methods in Molecular Biology</i> , 2011, 711, 435-449.	0.4	14
1216	Imaging Cancer Stem Cells. , 2011, , 297-309.		1
1217	In Vivo Magnetic Resonance Imaging of Amyloid- β Plaques in Mice. <i>Methods in Molecular Biology</i> , 2012, 849, 435-451.	0.4	17
1218	Implications of Nanotechnology in Cancer Diagnostics and Therapeutics. <i>Nanotechnology in the Life Sciences</i> , 2020, , 271-291.	0.4	1
1219	Nanoparticles for Ultrasound-Guided Imaging of Cell Implantation. , 2017, , 299-314.		3

#	ARTICLE	IF	CITATIONS
1220	Small Animal Magnetic Resonance Imaging: Basic Principles, Instrumentation and Practical Issue. , 2011, , 151-164.		6
1221	Functional DNA-Integrated Nanomaterials for Biosensing. , 2013, , 277-305.		5
1222	Magnetic Nanoparticles Used as Contrast Agents in MRI: Relaxometric Characterisation. , 2017, , 511-555.		2
1223	Morphological Evolution of Gold Nanoparticles into Nanodendrites Using Catechol-Grafted Polymer Templates. ACS Omega, 2018, 3, 6683-6691.	1.6	21
1224	Magnetic-responsive Nanoparticles for Drug Delivery. RSC Smart Materials, 2013, , 32-62.	0.1	8
1226	New clinical and experimental approaches for studying tumor dormancy: does tumor dormancy offer a therapeutic target?. Apms, 2008, 116, 552-568.	0.9	21
1227	Longitudinal Tracking of Human Fetal Cells Labeled with Super Paramagnetic Iron Oxide Nanoparticles in the Brain of Mice with Motor Neuron Disease. PLoS ONE, 2012, 7, e32326.	1.1	28
1228	MRI of Prostate Cancer Antigen Expression for Diagnosis and Immunotherapy. PLoS ONE, 2012, 7, e38350.	1.1	14
1229	Design Maps for the Hyperthermic Treatment of Tumors with Superparamagnetic Nanoparticles. PLoS ONE, 2013, 8, e57332.	1.1	89
1230	New generation of oxide-based nanoparticles for the applications in early cancer detection and diagnostics. Nanotechnology Reviews, 2020, 9, 274-302.	2.6	16
1231	Exploring the Potential of Plant-Derived Natural Products beyond Functional Food: Applications in Nanomedicine. Journal of Nanomedicine Research, 2015, 2, .	1.8	3
1232	Ferritinâ€™EGFP Chimera as an Endogenous Dual-Reporter for Both Fluorescence and Magnetic Resonance Imaging in Human Glioma U251 Cells. Tomography, 2017, 3, 1-8.	0.8	7
1233	A Perspective on Cell Tracking with Magnetic Particle Imaging. Tomography, 2020, 6, 315-324.	0.8	36
1234	Synthesis of a cell penetrating peptide modified superparamagnetic iron oxide and MRI detection of bladder cancer. Oncotarget, 2017, 8, 4718-4729.	0.8	33
1235	Contribution of macrophages in the contrast loss in iron oxide-based MRI cancer cell tracking studies. Oncotarget, 2017, 8, 38876-38885.	0.8	7
1236	Bacteriogenic magnetic nanoparticles as magnetic resonance imaging contrast agents. Translational Cancer Research, 2017, 6, S512-S514.	0.4	5
1237	Recent Advances in the Use of Metallic Nanoparticles with Antitumoral Action - Review. Current Medicinal Chemistry, 2019, 26, 2108-2146.	1.2	27
1238	Antibody-Based Imaging of HER-2: Moving into the Clinic. Current Molecular Medicine, 2013, 13, 1523-1537.	0.6	14

#	ARTICLE	IF	CITATIONS
1239	Thermally Reversible Nanoparticle Aggregation Explains Magnetic Moment Increase with Temperature. <i>Current Nanoscience</i> , 2013, 9, 381-386.	0.7	1
1240	Hybrid Magnetic Nanostructures For Cancer Diagnosis And Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 6-16.	0.9	6
1241	Nanoparticles for Diagnostics and Imaging. , 2015, , 3-46.		1
1242	Selective Cytotoxicity of Counterion-Conjugated Charged Iron Oxide Nanoparticles: A Study with Lymphoblastoid Raji Cells. <i>Journal of Advances in Nanomaterials</i> , 2018, 3, .	0.4	5
1243	In Vivo Magnetic Resonance Imaging and Optical Imaging Comparison of Viable and Nonviable Mesenchymal Stem Cells with a Bifunctional Label. <i>Molecular Imaging</i> , 2010, 9, 7290.2010.00029.	0.7	28
1244	Development and use of iron oxide nanoparticles (Part 2): The application of iron oxide contrast agents in MRI. <i>Biomedical Imaging and Intervention Journal</i> , 2010, 6, .	0.5	17
1245	Molecular imaging of human epidermal growth factor receptor 2 (HER-2) expression. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 790.	3.0	31
1246	Discrepancies in the in vitro and in vivo role of scavenger receptors in clearance of nanoparticles by Kupffer cells. <i>Precision Nanomedicine</i> , 2018, 1, 76-84.	0.4	3
1247	A New Potential Contrast Agent for Magnetic Resonance Imaging: Iron Oxide-4A Nanocomposite. <i>Journal of Biomedical Physics and Engineering</i> , 2019, 9, .	0.5	3
1248	Carbohydrate-Modified Magnetic Nanoparticles for Radical Scavenging. <i>Physiological Research</i> , 2016, 65, S243-S251.	0.4	3
1249	Effects of Metal Oxide Nanoparticles on Toll-Like Receptor mRNAs in Human Monocytes. <i>Nanomaterials</i> , 2020, 10, 127.	1.9	22
1250	Feasibility of lentiviral-mediated sodium iodide symporter gene delivery for the efficient monitoring of bone marrow-derived mesenchymal stem cell transplantation and survival. <i>International Journal of Molecular Medicine</i> , 2014, 34, 1547-1554.	1.8	7
1251	Magnetic resonance imaging and cell-based neurorestorative therapy after brain injury. <i>Neural Regeneration Research</i> , 2016, 11, 7.	1.6	3
1252	Tracking mesenchymal stem cells using magnetic resonance imaging. <i>Brain Circulation</i> , 2016, 2, 108.	0.7	16
1253	Effects of labeling human mesenchymal stem cells with superparamagnetic iron oxides on cellular functions and magnetic resonance contrast in hypoxic environments and long-term monitoring. <i>Brain Circulation</i> , 2018, 4, 133.	0.7	2
1254	Contrast Agents and Cell Labeling Strategies for <i>in Vivo</i> Imaging. <i>Advances in Nanoparticles</i> , 2014, 03, 41-53.	0.3	13
1255	Mesenchymal stem cell tracking in the intervertebral disc. <i>World Journal of Stem Cells</i> , 2015, 7, 65.	1.3	9
1256	Sensitivity of Susceptibility-Weighted Imaging in Detecting Superparamagnetic Iron Oxide-Labeled Mesenchymal Stem Cells: A Comparative Study. <i>Iranian Journal of Radiology</i> , 2015, 12, e20782.	0.1	7

#	ARTICLE	IF	CITATIONS
1257	Recent advances in waste-recycled nanomaterials for biomedical applications: Waste-to-wealth. <i>Nanotechnology Reviews</i> , 2021, 10, 1662-1739.	2.6	50
1258	Visualizing stem cells in vivo using magnetic resonance imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1760.	3.3	8
1259	Rational Constructed Ultra-Small Iron Oxide Nanoprobes Manifesting High Performance for T1-Weighted Magnetic Resonance Imaging of Glioblastoma. <i>Nanomaterials</i> , 2021, 11, 2601.	1.9	7
1260	Electrochemical Characterization of Magnetite (Fe ₃ O ₄) Nanoaggregates in Acidic and Alkaline Solutions. <i>ACS Omega</i> , 2021, 6, 26880-26887.	1.6	7
1261	Imaging Lymph Nodes Using CT and MRI, <i>Imaging Cancer by PET.</i> , 2006, , 145-170.		0
1262	Magnetic Resonance Imaging of Ferumoxide-Labeled Mesenchymal Stem Cells Seeded on Collagen Scaffolds?Relevance to Tissue Engineering. <i>Tissue Engineering</i> , 2006, .	4.9	0
1263	In Vitro Characterization of Magnetic Resonance Imaging Contrast Agents for Molecular Imaging.. <i>Blood</i> , 2006, 108, 3944-3944.	0.6	0
1264	Evaluating Gene and Cell Therapy. , 2007, , 373-393.		0
1265	Nanotechnology in Stem Cell Biology and Technology. , 2008, , .		1
1266	Functionalized Magnetite Nanoparticlesâ€™ Synthesis, Properties, and Bioapplications. , 2008, , 331-352.		3
1267	The Emergence of â€™Magnetic and Fluorescentâ€™ Multimodal Nanoparticles as Contrast Agents in Bioimaging. , 2008, , 353-392.		1
1268	Molecular Imaging of Gene Expression and Cell Therapy. , 2010, , 723-737.		0
1269	MRI of the Gastrointestinal Tract at High-Field Strength. <i>Medical Radiology</i> , 2010, , 21-31.	0.0	1
1270	Molecular Imaging of Cancer and the Implications for Pre-invasive Disease. , 2011, , 167-207.		1
1271	SUPERPARAMAGNETIC IRON OXIDES FOR MR-VISUALIZATION OF TEXTILE IMPLANTS. , 2010, , .		0
1272	Assessing Immunotherapy Through Cellular and Molecular Imaging. , 2011, , 389-408.		0
1274	Imaging of Atherosclerosis. , 2012, , 583-611.		0
1276	Imaging Experimental Brain Metastases. , 2012, , 69-86.		0

#	ARTICLE	IF	CITATIONS
1277	Blood Cells as Carriers for Magnetically Targeted Delivery of Drugs. , 2012, , 387-418.		0
1278	Iron Oxide Nanoparticles Imaging Tracking by MR Advanced Techniques: Dual-Contrast Approaches. , 0, , .		0
1280	In Vivo Imaging of MSCs. , 2013, , 389-402.		0
1281	Functionalized Nanomaterials. , 2013, , 581-609.		0
1282	Application of Molecular Imaging in Transgenic Animals. Advanced Topics in Science and Technology in China, 2013, , 661-670.	0.0	0
1283	Fabrication of Novel Ferromagnetic Materials by Modification of Surface of Iron Nanoparticles. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2013, 21, 54-60.	0.0	0
1284	Animal Model Imaging Techniques. , 2013, , 237-247.		0
1285	Distribution of c-erbB2 Antisense Probe Labeled with Superparamagnetic Iron Oxide Nanoparticles in the Major Organs of Mice on MR Imaging. Advances in Nanoparticles, 2013, 02, 16-20.	0.3	0
1286	NANOTECHNOLOGY IN CANCER THERAPY. Journal of Drug Delivery and Therapeutics, 2013, 3, .	0.2	0
1287	fMRI and Nanotechnology. , 2013, , 387-438.		0
1288	Environmental Interactions of Geo- and Bio-Macromolecules with Nanomaterials. , 2014, , 257-290.		0
1289	Tracking of Administered Progenitor Cells in Brain Injury and Stroke by Magnetic Resonance Imaging. , 2015, , 187-212.		1
1291	Experimental Cell Therapy for Liver Dysfunction. , 2016, , 309-313.		0
1292	Functionalized Nanomaterials. , 2016, , 123-150.		0
1293	Nano-Optical Sensors for the Detection of Bioterrorist Threats. , 2016, , 475-496.		0
1294	Organic-Inorganic Nanocomposites for Biomedical Applications. , 2016, , 375-395.		0
1295	Nanotechnology-Based Stem Cell Applications and Imaging. Pancreatic Islet Biology, 2017, , 17-35.	0.1	1
1296	Chapter 15 Principles and Applications of Amide Proton Transfer Imaging. , 2017, , 345-376.		0

#	ARTICLE	IF	CITATIONS
1297	Application of Gadolinium-Doped Zinc Oxide Quantum Dots for Magnetic Resonance and Fluorescence Imaging. Springer Theses, 2018, , 65-79.	0.0	0
1298	Noninvasive Imaging Techniques of Metal Nanoparticles and Their Future Diagnostic Applications. , 2019, , 119-141.		1
1299	Atherosclerotic Plaque Imaging. , 2019, , 343-351.e3.		0
1301	Effects of Local Administration of Iron Oxide Nanoparticles in the Prefrontal Cortex, Striatum, and Hippocampus of Rats. Neurotoxicity Research, 2021, 39, 2056-2071.	1.3	4
1302	Moleküller Gårntlemede Kullanılan Radyofarmasötikler. Düzce Üniversitesi Sağlık Bilimleri Enstitüsü Dergisi, 0, , .	0.5	0
1303	Superparamagnetic Iron Oxide-Based Nanomaterials for Magnetic Resonance Imaging. Topics in Mining, Metallurgy and Materials Engineering, 2021, , 167-203.	1.4	1
1304	Resolving immune cells with patrolling behaviour by magnetic resonance time-lapse single cell tracking. EBioMedicine, 2021, 73, 103670.	2.7	5
1305	Hepatic and renal cellular cytotoxic effects of heparin-coated superparamagnetic Iron oxide nanoparticles. Biomaterials Research, 2021, 25, 36.	3.2	9
1307	Magneto-optical Probes. , 2008, , 199-207.		0
1309	Magnetic resonance imaging, microscopy, and spectroscopy of the central nervous system in experimental animals. Neurotherapeutics, 2005, 2, 250-264.	2.1	0
1310	Comparison of superparamagnetic and ultrasmall superparamagnetic iron oxide cell labeling for tracking green fluorescent protein gene marker with negative and positive contrast magnetic resonance imaging. Molecular Imaging, 2009, 8, 148-55.	0.7	10
1311	Noninvasive cardiovascular imaging techniques for basic science research: application to cellular therapeutics. Revista Espanola De Cardiologia, 2009, 62, 918-27.	0.6	2
1312	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.	0.7	12
1313	In vivo magnetic resonance imaging and optical imaging comparison of viable and nonviable mesenchymal stem cells with a bifunctional label. Molecular Imaging, 2010, 9, 278-90.	0.7	17
1316	Size reproducibility of gadolinium oxide based nanomagnetic particles for cellular magnetic resonance imaging: effects of functionalization, chemisorption and reaction conditions. Iranian Journal of Pharmaceutical Research, 2015, 14, 3-14.	0.3	2
1317	Application of magnetic resonance imaging for monitoring stem cell transplantation for the treatment of cerebral ischemia. Neural Regeneration Research, 2012, 7, 1264-71.	1.6	4
1318	A New Potential Contrast Agent for Magnetic Resonance Imaging: Iron Oxide-4A Nanocomposite. Journal of Biomedical Physics and Engineering, 2019, 9, 211-216.	0.5	1
1320	Superparamagnetic iron oxide nanoparticles (SPIONs) as therapeutic and diagnostic agents. , 2022, , 455-497.		7

#	ARTICLE	IF	CITATIONS
1321	Biocompatible FePO ₄ Nanoparticles: Drug Delivery, RNA Stabilization, and Functional Activity. <i>Nanoscale Research Letters</i> , 2021, 16, 169.	3.1	3
1322	Stem Cells and their Applications for the Treatment of Injuries to the Central Nervous System. <i>The Neuroscience Journal of Shefaye Khatam</i> , 2021, 9, 116-129.	0.4	2
1323	Integration of PEG-conjugated gadolinium complex and superparamagnetic iron oxide nanoparticles as dual-mode magnetic resonance imaging probes. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbab064.	1.9	11
1324	Targeted PET/MRI Imaging Super Probes: A Critical Review of Opportunities and Challenges. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 8465-8483.	3.3	9
1325	Magnetic nanoparticles and nanoobjects used for medical applications. , 2022, , 59-105.		0
1326	Mapping the acute time course of immune cell infiltration into an ECM hydrogel in a rat model of stroke using 19F MRI. <i>Biomaterials</i> , 2022, 282, 121386.	5.7	14
1327	Graphene-encapsulated magnetic nanoparticles for safe and steady delivery of ferulic acid in diabetic mice. <i>Chemical Engineering Journal</i> , 2022, 435, 134466.	6.6	11
1328	Hybrid nanogel systems for drug delivery. , 2022, , 85-100.		2
1329	A tumor microenvironment dual responsive contrast agent for contrary contrast-magnetic resonance imaging and specific chemotherapy of tumors. <i>Nanoscale Horizons</i> , 2022, 7, 403-413.	4.1	9
1330	Ultrasmall MnSe Nanoparticles as T ₁ -MRI Contrast Agents for In Vivo Tumor Imaging. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11167-11176.	4.0	9
1331	Enzyme-mediated intratumoral self-assembly of nanotheranostics for enhanced imaging and tumor therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1786.	3.3	6
1332	Clinical magnetic hyperthermia requires integrated magnetic particle imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1779.	3.3	34
1334	Stimuli-controllable iron oxide nanoparticle assemblies: Design, manipulation and bio-applications. <i>Journal of Controlled Release</i> , 2022, 345, 231-274.	4.8	12
1335	Characterization of commercial iron oxide clusters with high transverse relaxivity. <i>Journal of Magnetic Resonance Open</i> , 2022, 10-11, 100054.	0.5	2
1336	Unparalleled and revolutionary impact of PET imaging on research and day to day practice of medicine. <i>Bio-Algorithms and Med-Systems</i> , 2022, 17, 203-212.	1.0	27
1338	A multimodal nanoparticles-based theranostic method and system. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, , e1796.	3.3	1
1340	Molecular Agents for Targeted Imaging and Therapy. , 2006, , 287-304.		0
1342	Tracking stem cell migration and survival in brain injury: current approaches and future prospects. <i>Histology and Histopathology</i> , 2012, 27, 1255-61.	0.5	20

#	ARTICLE	IF	CITATIONS
1344	LAPONITE® nanodisk- Fe_3O_4 nanoparticles: a biocompatible nano-hybrid with ultrafast magnetic hyperthermia and MRI contrast agent ability. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4935-4943.	2.9	4
1345	Molecular imaging: Techniques and current clinical applications. , 0, , 10-21.		8
1346	Self-Confirming Magnetosomes for Tumor-Targeted Ti_2O_3 Dual-Mode MRI and MRI-Guided Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200841.	3.9	19
1347	A Toolbox to Investigate the Impact of Impaired Oxygen Delivery in Experimental Disease Models. <i>Frontiers in Medicine</i> , 2022, 9, .	1.2	2
1348	A 2D nanotheranostic platform based on graphene oxide and phase-change materials for bimodal CT/MR imaging, NIR-activated drug release, and synergistic thermo-chemotherapy. <i>Nanotheranostics</i> , 2022, 6, 350-364.	2.7	13
1349	Micro/Nanosystems for Magnetic Targeted Delivery of Bioagents. <i>Pharmaceutics</i> , 2022, 14, 1132.	2.0	15
1350	Advances of nano drug delivery system for the theranostics of ischemic stroke. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	13
1351	Recent development of contrast agents for magnetic resonance and multimodal imaging of glioblastoma. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	15
1352	State of the Art in Carbon Nanomaterials for Photoacoustic Imaging. <i>Biomedicines</i> , 2022, 10, 1374.	1.4	17
1353	Metal oxide nanostructures and their biological applications (nonlinear photonics, plasmonic) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i>		
1355	Advanced Nanotechnology Approaches as Emerging Tools in Cellular-Based Technologies. <i>Advances in Experimental Medicine and Biology</i> , 2022, , .	0.8	0
1356	Multimodal Magnetic Resonance and Photoacoustic Imaging of Tumor-Specific Enzyme-Responsive Hybrid Nanoparticles for Oxygen Modulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	6
1357	Synthesis and preclinical application of a Prussian blue-based dual fluorescent and magnetic contrast agent (CA). <i>PLoS ONE</i> , 2022, 17, e0264554.	1.1	1
1358	Current Challenges in Image-Guided Magnetic Hyperthermia Therapy for Liver Cancer. <i>Nanomaterials</i> , 2022, 12, 2768.	1.9	6
1359	Magnetic Nanoparticles for Medical Applications: Updated Review. <i>Macromol</i> , 2022, 2, 374-390.	2.4	39
1360	The Role of Nanotechnology for Diagnostic and Therapy Strategies in Lung Cancer. <i>Medical Radiology</i> , 2022, , .	0.0	0
1361	Current status and future prospects of nanoscale metal-organic frameworks in bioimaging. <i>Journal of Materials Chemistry B</i> , 2022, 10, 8824-8851.	2.9	25
1362	Cell Tracking by Magnetic Particle Imaging: Methodology for Labeling THP-1 Monocytes with Magnetic Nanoparticles for Cellular Imaging. <i>Cells</i> , 2022, 11, 2892.	1.8	3

#	ARTICLE	IF	CITATIONS
1363	Central nervous system regeneration in ascidians: cell migration and differentiation. <i>Cell and Tissue Research</i> , 2022, 390, 335-354.	1.5	4
1364	Magnetic Nanoparticles: An Overview for Biomedical Applications. <i>Magnetochemistry</i> , 2022, 8, 107.	1.0	38
1365	Facile synthesis of water-soluble Fe ₃ O ₄ and Fe ₃ O ₄ @PVA nanoparticles for dual-contrast T1- and T2-weighted magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2023, 95, 50-58.	1.0	6
1366	Imaging cellular immunotherapies and immune cell biomarkers: from preclinical studies to patients. , 2022, 10, e004902.		9
1367	Magnetic Nanoparticles for Diagnostic and Therapeutic Applications. <i>Nanotechnology in the Life Sciences</i> , 2022, , 609-639.	0.4	0
1368	Recent Advances in Metal-Organic Frameworks for Applications in Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 50445-50462.	4.0	16
1369	Opportunities and Challenges of Switchable Materials for Pharmaceutical Use. <i>Pharmaceutics</i> , 2022, 14, 2331.	2.0	6
1370	Cell sorting microbeads as novel contrast agent for magnetic resonance imaging. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
1372	AntiPD-L1 antibody conjugated Au-SPIOs nanoplatfor for enhancing radiosensitivity and triggering anti-tumor immune response. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
1375	Functionalized Carbon Nanoparticles as Theranostic Agents and Their Future Clinical Utility in Oncology. <i>Bioengineering</i> , 2023, 10, 108.	1.6	0
1376	Neurosurgical Applications of Magnetic Hyperthermia Therapy. <i>Neurosurgery Clinics of North America</i> , 2023, 34, 269-283.	0.8	3
1377	The fate of stem cells within smart biomaterials and constructs. , 2023, , 277-324.		0
1378	A primer on contrast agents for magnetic resonance imaging of post-procedural and follow-up imaging of islet cell transplant. <i>Nano Select</i> , 2023, 4, 181-191.	1.9	0
1379	Insulin-like growth factor axis: A potential nanotherapy target for resistant cervical cancer tumors (Review). <i>Oncology Letters</i> , 2023, 25, .	0.8	0
1380	Targeted Nanocarriers-based Approach For Prostate Cancer Therapy. , 2023, , 133-162.		0
1381	Amino acid-capped transition metal ion-doped iron oxide nanoparticles: evaluating drug delivery carrier efficiency and in vitro magnetic resonance image contrasting ability. <i>Journal of the Iranian Chemical Society</i> , 0, , .	1.2	0
1382	Inorganic nanosystems for imaging diagnostics. , 2023, , 549-588.		0
1383	Synthesis of 5-Fluorouracil Polymer Conjugate and ¹⁹ F NMR Analysis of Drug Release for MRI Monitoring. <i>Polymers</i> , 2023, 15, 1778.	2.0	1

#	ARTICLE	IF	CITATIONS
1389	Applications of Upconversion Nanoparticles in Bio-Imaging. Progress in Optical Science and Photonics, 2023, , 405-436.	0.3	0
1392	Advances in magnetic nanoparticle-based magnetic resonance imaging contrast agents. Nano Research, 2023, 16, 12531-12542.	5.8	2
1394	Liquid Metal Biomedical Imaging. , 2024, , 1-35.		0
1397	Silicon-containing nanomedicine and biomaterials: materials chemistry, multi-dimensional design, and biomedical application. Chemical Society Reviews, 2024, 53, 1167-1315.	18.7	1
1400	Nanocarrier-mediated delivery for targeting for prostate cancer. , 2024, , 355-392.		0