Heike E Daldrup-Link

List of Publications by Year
in descending order

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304 papers	12,144 citations	25034 57 h-index	31849 101 g-index
334 all docs	334 docs citations	334 times ranked	13189 citing authors

#	Article	IF	Citations
1	Iron oxide nanoparticles inhibit tumour growth by inducing pro-inflammatory macrophage polarization in tumour tissues. Nature Nanotechnology, 2016, 11, 986-994.	31.5	1,223
2	Whole-Body MR Imaging for Detection of Bone Metastases in Children and Young Adults. American Journal of Roentgenology, 2001, 177, 229-236.	2.2	431
3	Comparison of MAPIE versus MAP in patients with a poor response to preoperative chemotherapy for newly diagnosed high-grade osteosarcoma (EURAMOS-1): an open-label, international, randomised controlled trial. Lancet Oncology, The, 2016, 17, 1396-1408.	10.7	356
4	Phase II clinical evaluation of Gd-EOB-DTPA: dose, safety aspects, and pulse sequence.. Radiology, 1996, 199, 177-183.	7.3	294
5	FDG-PET for detection of osseous metastases from malignant primary bone tumours: comparison with bone scintigraphy. European Journal of Nuclear Medicine and Molecular Imaging, 2000, 27, 1305-1311.	2.1	272
6	MRI of Tumor-Associated Macrophages with Clinically Applicable Iron Oxide Nanoparticles. Clinical Cancer Research, 2011, 17, 5695-5704.	7.0	262
7	Correlation of dynamic contrast-enhanced MR imaging with histologic tumor grade: comparison of macromolecular and small-molecular contrast media.. American Journal of Roentgenology, 1998, 171, 941-949.	2.2	244
8	Capacity of human monocytes to phagocytose approved iron oxide MR contrast agents in vitro. European Radiology, 2004, 14, 1851-8.	4.5	231
9	Current and potential imaging applications of ferumoxytol for magnetic resonance imaging. Kidney International, 2017, 92, 47-66.	5.2	230
10	Targeting of Hematopoietic Progenitor Cells with MR Contrast Agents. Radiology, 2003, 228, 760-767.	7.3	196
11	Glioblastoma multiforme (GBM): An overview of current therapies and mechanisms of resistance. Pharmacological Research, 2021, 171, 105780.	7.1	196
12	Focal Liver Lesions: Evaluation of the Efficacy of Gadobenate Dimeglumine in MR Imagingâ€”A Multicenter Phase III Clinical Study. Radiology, 2000, 215, 727-736.	7.3	188
13	FDG-PET for detection of pulmonary metastases from malignant primary bone tumors: Comparison with spiral CT. Annals of Oncology, 2001, 12, 479-486.	1.2	188
14	Clinical results with Resovist: a phase 2 clinical trial.. Radiology, 1995, 195, 489-496.	7.3	181
15	FDGâ€“PET for detection of recurrences from malignant primary bone tumors: comparison with conventional imaging. Annals of Oncology, 2002, 13, 157-160.	1.2	173
16	Cell tracking with optical imaging. European Radiology, 2008, 18, 2021-2032.	4.5	172
17	Migration of Iron Oxideâ€“labeled Human Hematopoietic Progenitor Cells in a Mouse Model: In Vivo Monitoring with 1.5-T MR Imaging Equipment. Radiology, 2005, 234, 197-205.	7.3	171
18	In vivo tracking of genetically engineered, anti-HER2/neu directed natural killer cells to HER2/neu positive mammary tumors with magnetic resonance imaging. European Radiology, 2005, 15, 4-13.	4.5	169

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19	T1 and T2 relaxivity of intracellular and extracellular USPIO at 1.5T and 3T clinical MR scanning. European Radiology, 2006, 16, 738-745.	4.5	164
20	Enhancement characteristics of liver metastases, hepatocellular carcinomas, and hemangiomas with Gd-EOB-DTPA: preliminary results with dynamic MR imaging. European Radiology, 1997, 7, 275-280.	4.5	158
21	MR imaging of therapy-induced changes of bone marrow. European Radiology, 2007, 17, 743-761.	4.5	138
22	Ionising radiation-free whole-body MRI versus 18F-fluorodeoxyglucose PET/CT scans for children and young adults with cancer: a prospective, non-randomised, single-centre study. Lancet Oncology, The, 2014, 15, 275-285.	10.7	136
23	Breast Cancers: MR Imaging of Folate-Receptor Expression with the Folate-Specific Nanoparticle P1133. Radiology, 2010, 255, 527-535.	7.3	130
24	Ten Things You Might Not Know about Iron Oxide Nanoparticles. Radiology, 2017, 284, 616-629.	7.3	129
25	Diagnostic value of PET/CT for the staging and restaging of pediatric tumors. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 23-36.	6.4	128
26	Development of Novel Tumorâ€Targeted Theranostic Nanoparticles Activated by Membraneâ€Type Matrix Metalloproteinases for Combined Cancer Magnetic Resonance Imaging and Therapy. Small, 2014, 10, 566-575.	10.0	127
27	Next-generation superparamagnetic iron oxide nanoparticles for cancer theranostics. Drug Discovery Today, 2017, 22, 1421-1429.	6.4	113
28	CT of Metal Implants: Reduction of Artifacts Using an Extended CT Scale Technique. Journal of Computer Assisted Tomography, 2000, 24, 165-172.	0.9	107
29	Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication. Nature Medicine, 2022, 28, 333-344.	30.7	105
30	Ultrasmall Supraparamagnetic Iron Oxide-Enhanced Magnetic Resonance Imaging of Antigen-Induced Arthritis. Investigative Radiology, 2006, 41, 45-51.	6.2	103
31	Value of ¹⁸F-FDG PET and PET/CT for Evaluation of Pediatric Malignancies. Journal of Nuclear Medicine, 2015, 56, 274-286.	5.0	101
32	Improved Approach for Chondrogenic Differentiation of Human Induced Pluripotent Stem Cells. Stem Cell Reviews and Reports, 2015, 11, 242-253.	5.6	99
33	Clinical applications of iron oxide nanoparticles for magnetic resonance imaging of brain tumors. Nanomedicine, 2015, 10, 993-1018.	3.3	98
34	Evaluation of the Accuracy of Gadobenate Dimeglumine-Enhanced MR Imaging in the Detection and Characterization of Focal Liver Lesions. American Journal of Roentgenology, 2000, 175, 1111-1120.	2.2	88
35	Clinical Tracking of Cell Transfer and Cell Transplantation: Trials and Tribulations. Radiology, 2018, 289, 604-615.	7.3	87
36	Iron-oxide-enhanced MR imaging of bone marrow in patients with non-Hodgkin's lymphoma: differentiation between tumor infiltration and hypercellular bone marrow. European Radiology, 2002, 12, 1557-1566.	4.5	85

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37	Quantification of the extraction fraction for gadopentetate across breast cancer capillaries. Magnetic Resonance in Medicine, 1998, 40, 537-543.	3.0	84
38	Cell tracking with gadophrin-2: a bifunctional contrast agent for MR imaging, optical imaging, and fluorescence microscopy. European Journal of Nuclear Medicine and Molecular Imaging, 2004, 31, 1312-21.	6.4	83
39	Macromolecular contrast agents for MR mammography: current status. European Radiology, 2003, 13, 354-365.	4.5	79
40	Quantification of Breast Tumor Microvascular Permeability with Feruglose-enhanced MR Imaging: Initial Phase II Multicenter Trial. Radiology, 2003, 229, 885-892.	7.3	79
41	Correlation of dynamic contrast-enhanced magnetic resonance imaging with histologic tumor grade: comparison of macromolecular and small-molecular contrast media. Pediatric Radiology, 1998, 28, 67-78.	2.0	78
42	High Resolution MRI of Small Joints: Impact of Spatial Resolution on Diagnostic Performance and SNR. Magnetic Resonance Imaging, 1998, 16, 147-155.	1.8	77
43	Magnetic Resonance Imaging of Tumor-Associated Macrophages: Clinical Translation. Clinical Cancer Research, 2018, 24, 4110-4118.	7.0	77
44	Highly efficient paramagnetic labelling of embryonic and neuronal stem cells. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1038-1044.	6.4	75
45	Ferumoxytol: a new, clinically applicable label for stem-cell tracking in arthritic joints with MRI. Nanomedicine, 2013, 8, 1969-1983.	3.3	75
46	Nanoparticle enhanced MRI can monitor macrophage response to CD47 mAb immunotherapy in osteosarcoma. Cell Death and Disease, 2019, 10, 36.	6.3	72
47	Tracking of [18F]FDG-labeled natural killer cells to HER2/neu-positive tumors. Nuclear Medicine and Biology, 2008, 35, 579-588.	0.6	69
48	Phase I Trial of Oral Irinotecan and Temozolomide for Children With Relapsed High-Risk Neuroblastoma: A New Approach to Neuroblastoma Therapy Consortium Study. Journal of Clinical Oncology, 2009, 27, 1290-1296.	1.6	69
49	Labeling Stem Cells with Ferumoxytol, an FDA-Approved Iron Oxide Nanoparticle. Journal of Visualized Experiments, 2011, , e3482.	0.3	69
50	The influence of ferucarbotran on the chondrogenesis of human mesenchymal stem cells. Contrast Media and Molecular Imaging, 2009, 4, 165-173.	0.8	68
51	Magnetic Resonance Imaging of Stem Cell Apoptosis in Arthritic Joints with a Caspase Activatable Contrast Agent. ACS Nano, 2015, 9, 1150-1160.	14.6	67
52	Optical Imaging of Cellular Immunotherapy against Prostate Cancer. Molecular Imaging, 2009, 8, 7290.2009.00002.	1.4	64
53	Dose Escalation Study of No-Carrier-Added ¹³¹I-Metaiodobenzylguanidine for Relapsed or Refractory Neuroblastoma: New Approaches to Neuroblastoma Therapy Consortium Trial. Journal of Nuclear Medicine, 2012, 53, 1155-1163.	5.0	64
54	Safety Report of Ferumoxytol for Magnetic Resonance Imaging in Children and Young Adults. Investigative Radiology, 2016, 51, 221-227.	6.2	64

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55	Radiological-pathological correlation of pleomorphic liposarcoma of the anterior mediastinum in a 17-year-old girl. Pediatric Radiology, 2010, 40, 68-70.	2.0	63
56	Iron Administration before Stem Cell Harvest Enables MR Imaging Tracking after Transplantation. Radiology, 2013, 269, 186-197.	7.3	62
57	Transfer learning on fused multiparametric MR images for classifying histopathological subtypes of rhabdomyosarcoma. Computerized Medical Imaging and Graphics, 2018, 65, 167-175.	5.8	62
58	Quantification of Macrophages in High-Grade Gliomas by Using Ferumoxytol-enhanced MRI: A Pilot Study. Radiology, 2019, 290, 198-206.	7.3	61
59	Photoacoustic Imaging of Embryonic Stem Cellâ€Derived Cardiomyocytes in Living Hearts with Ultrasensitive Semiconducting Polymer Nanoparticles. Advanced Functional Materials, 2018, 28, 1704939.	14.9	58
60	Intravenous Ferumoxytol Allows Noninvasive MR Imaging Monitoring of Macrophage Migration into Stem Cell Transplants. Radiology, 2012, 264, 803-811.	7.3	54
61	The yin and yang of imaging tumor associated macrophages with PET and MRI. Theranostics, 2019, 9, 7730-7748.	10.0	53
62	Pediatric liver tumors â€“ a pictorial review. European Radiology, 2009, 19, 209-219.	4.5	52
63	Indocyanine greenâ€“enhanced imaging of antigenâ€induced arthritis with an integrated optical imaging/radiography system. Arthritis and Rheumatism, 2010, 62, 2322-2327.	6.7	51
64	Monitoring radiation-induced changes in bone marrow histopathology with ultra-small superparamagnetic iron oxide (USPIO)-enhanced MRI. Journal of Magnetic Resonance Imaging, 1999, 9, 643-652.	3.4	50
65	Differentiation of Normal Thymus from Anterior Mediastinal Lymphoma and Lymphoma Recurrence at Pediatric PET/CT. Radiology, 2012, 262, 613-622.	7.3	50
66	Detection and Quantification of Breast Tumor Necrosis with MR Imaging. Academic Radiology, 2003, 10, 484-490.	2.5	48
67	Comparison of iron oxide labeling properties of hematopoietic progenitor cells from umbilical cord blood and from peripheral blood for subsequent in vivo tracking in a xenotransplant mouse model XXX1. Academic Radiology, 2005, 12, 502-510.	2.5	48
68	Relaxation effects of ferucarbotranâ€labeled mesenchymal stem cells at 1.5T and 3T: Discrimination of viable from lysed cells. Magnetic Resonance in Medicine, 2009, 62, 325-332.	3.0	48
69	Ferumoxytol Can Be Used for Quantitative Magnetic Particle Imaging of Transplanted Stem Cells. Molecular Imaging and Biology, 2019, 21, 465-472.	2.6	48
70	Cell labeling with the positive MR contrast agent Gadofluorine M. European Radiology, 2007, 17, 1226-1234.	4.5	47
71	Current methods for reducing intussusception: survey results. Pediatric Radiology, 2015, 45, 667-674.	2.0	46
72	Artificial intelligence enables whole-body positron emission tomography scans with minimal radiation exposure. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2771-2781.	6.4	45

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73	An optical imaging method to monitor stem cell migration in a model of immune-mediated arthritis. Optics Express, 2009, 17, 24403.	3.4	44
74	MRI of arthritis: Comparison of ultrasmall superparamagnetic iron oxide vs. Gd-DTPA. Journal of Magnetic Resonance Imaging, 2006, 23, 720-727.	3.4	43
75	A phase I study of zoledronic acid and lowâ€dose cyclophosphamide in recurrent/refractory neuroblastoma: A new approaches to neuroblastoma therapy (NANT) study. Pediatric Blood and Cancer, 2011, 57, 275-282.	1.5	43
76	Imaging of Tumor Angiogenesis: Current Approaches and Future Prospects. Current Pharmaceutical Design, 2006, 12, 2661-2672.	1.9	42
77	Role of diffusion-weighted imaging in differentiating benign and malignant pediatric abdominal tumors. Pediatric Radiology, 2013, 43, 836-845.	2.0	42
78	Optical imaging of cellular immunotherapy against prostate cancer. Molecular Imaging, 2009, 8, 15-26.	1.4	42
79	In vivo imaging of nanoparticle-labeled CAR T cells. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	40
80	Depicting adoptive immunotherapy for prostate cancer in an animal model with magnetic resonance imaging. Magnetic Resonance in Medicine, 2011, 65, 756-763.	3.0	39
81	Three-dimensional Radiologic Assessment of Chemotherapy Response in Ewing Sarcoma Can Be Used to Predict Clinical Outcome. Radiology, 2016, 280, 905-915.	7.3	39
82	Quantitative gadopentetate-enhanced MRI of breast tumors: Testing of different analytic methods. Magnetic Resonance in Medicine, 2000, 44, 915-924.	3.0	38
83	Ferumoxtran-10-enhanced MR imaging of the bone marrow before and after conditioning therapy in patients with non-Hodgkin lymphomas. European Radiology, 2006, 16, 598-607.	4.5	38
84	MR imaging of ovarian tumors using folate-receptor-targeted contrast agents. Pediatric Radiology, 2008, 38, 529-537.	2.0	38
85	Long-Term Outcome and Toxicities of Intraoperative Radiotherapy for High-Risk Neuroblastoma. International Journal of Radiation Oncology Biology Physics, 2007, 69, 858-864.	0.8	36
86	MR Signal Characteristics of Viable and Apoptotic Human Mesenchymal Stem Cells in Matrix-Associated Stem Cell Implants for Treatment of Osteoarthritis. Investigative Radiology, 2010, 45, 634-640.	6.2	36
87	Magnetic Resonance Imaging of Ferumoxide-Labeled Mesenchymal Stem Cells in Cartilage Defects: In Vitro and in Vivo Investigations. Molecular Imaging, 2012, 11, 7290.2011.00040.	1.4	36
88	Decrease in Tumor Apparent Permeability-Surface Area Product to a MRI Macromolecular Contrast Medium Following Angiogenesis Inhibition with Correlations to Cytotoxic Drug Accumulation. Microcirculation, 2004, 11, 387-396.	1.8	35
89	Optical imaging of experimental arthritis using allogeneic leukocytes labeled with a near-infrared fluorescent probe. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 998-1006.	6.4	35
90	A Novel Theranostic Strategy for MMP-14â€“Expressing Glioblastomas Impacts Survival. Molecular Cancer Therapeutics, 2017, 16, 1909-1921.	4.1	35

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91	Neurovascular Unit: Basic and Clinical Imaging with Emphasis on Advantages of Ferumoxytol. Neurosurgery, 2018, 82, 770-780.	1.1	35
92	Current utilization and procedural practices in pediatric whole-body MRI. Pediatric Radiology, 2018, 48, 1101-1107.	2.0	34
93	Monitoring of Natural Killer Cell Immunotherapy Using Noninvasive Imaging Modalities. Cancer Research, 2010, 70, 6109-6113.	0.9	32
94	Imaging Tumor Necrosis with Ferumoxytol. PLoS ONE, 2015, 10, e0142665.	2.5	32
95	Optimization of Gadodiamide Concentration for MR Arthrography at 3 T. American Journal of Roentgenology, 2005, 184, 1754-1761.	2.2	31
96	MR Imaging of Pediatric Arthritis. Magnetic Resonance Imaging Clinics of North America, 2009, 17, 451-467.	1.1	31
97	Optical imaging of rheumatoid arthritis. International Journal of Clinical Rheumatology, 2011, 6, 67-75.	0.3	31
98	High-Resolution MR Imaging of the Orbit in Patients with Retinoblastoma. Radiographics, 2012, 32, 1307-1326.	3.3	31
99	Detection of hepatocellular carcinoma: comparison of Gd-DTPA- and ferumoxides-enhanced MR imaging. European Radiology, 2005, 15, 895-903.	4.5	30
100	MR imaging of tumor-associated macrophages. OncoImmunology, 2012, 1, 507-509.	4.6	30
101	Enhancing In Vivo Survival of Adipose-Derived Stromal Cells Through Bcl-2 Overexpression Using a Minicircle Vector. Stem Cells Translational Medicine, 2013, 2, 690-702.	3.3	30
102	Improving the efficacy of osteosarcoma therapy: combining drugs that turn cancer cell â€˜don't eat meâ€™ signals off and â€˜eat meâ€™ signals on. Molecular Oncology, 2019, 13, 2049-2061.	4.6	30
103	Artificial intelligence applications for pediatric oncology imaging. Pediatric Radiology, 2019, 49, 1384-1390.	2.0	30
104	Assessing permeability alterations of the bloodâ€“bone marrow barrier due to total body irradiation: in vivo quantification with contrast enhanced magnetic resonance imaging. Bone Marrow Transplantation, 2000, 25, 71-78.	2.4	29
105	The Choice of Region of Interest Measures in Contrast-Enhanced Magnetic Resonance Image Characterization of Experimental Breast Tumors. Investigative Radiology, 2005, 40, 349-354.	6.2	29
106	Labeling Human Embryonic Stem Cell-Derived Cardiomyocytes with Indocyanine Green for Noninvasive Tracking with Optical Imaging: An FDA-Compatible Alternative to Firefly Luciferase. Cell Transplantation, 2010, 19, 55-65.	2.5	29
107	Labeling Human Mesenchymal Stem Cells with Fluorescent Contrast Agents: the Biological Impact. Molecular Imaging and Biology, 2011, 13, 3-9.	2.6	29
108	A photonic crystal cavity-optical fiber tip nanoparticle sensor for biomedical applications. Applied Physics Letters, 2012, 100, .	3.3	29

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109	How to Provide Gadolinium-Free PET/MR Cancer Staging of Children and Young Adults in Less than 1Âh: the Stanford Approach. Molecular Imaging and Biology, 2018, 20, 324-335.	2.6	29
110	Macromolecular contrast medium (feruglose) versus small molecular contrast medium (gadopentetate) enhanced magnetic resonance imaging. Academic Radiology, 2003, 10, 1237-1246.	2.5	28
111	Decreased aortic growth and middle aortic syndrome in patients with neuroblastoma after radiation therapy. Pediatric Radiology, 2009, 39, 1194-1202.	2.0	28
112	Tracking Stem Cell Implants in Cartilage Defects of Minipigs by Using Ferumoxytol-enhanced MRI. Radiology, 2019, 292, 129-137.	7.3	28
113	Therapy Response Assessment of Pediatric Tumors with Whole-Body Diffusion-weighted MRI and FDG PET/MRI. Radiology, 2020, 296, 143-151.	7.3	28
114	In Vivo Magnetic Resonance Imaging and Optical Imaging Comparison of Viable and Nonviable Mesenchymal Stem Cells with a Bifunctional Label. Molecular Imaging, 2010, 9, 7290.2010.00029.	1.4	28
115	Magnetic resonance imaging of ferumoxide-labeled mesenchymal stem cells in cartilage defects: in vitro and in vivo investigations. Molecular Imaging, 2012, 11, 197-209.	1.4	28
116	Comparison of gadomer-17 and gadopentetate dimeglumine for differentiation of benign from malignant breast tumors with MR imaging. Academic Radiology, 2000, 7, 934-944.	2.5	27
117	Ultrasmall Superparamagnetic Iron-Oxideâ€“enhanced MR Imaging of Normal Bone Marrow in Rodents: Original Research. Academic Radiology, 2005, 12, 1190-1197.	2.5	27
118	Unusual association of alveolar rhabdomyosarcoma with pancreatic metastasis: emerging role of PET-CT in tumor staging. Pediatric Radiology, 2010, 40, 1380-1386.	2.0	27
119	Somatic Differentiation and MR Imaging of Magnetically Labeled Human Embryonic Stem Cells. Cell Transplantation, 2012, 21, 2555-2567.	2.5	27
120	The Protein Corona around Nanoparticles Facilitates Stem Cell Labeling for Clinical MR Imaging. Radiology, 2018, 286, 938-947.	7.3	27
121	Labeling Stem Cells with Fluorescent Dyes for non-invasive Detection with Optical Imaging. Journal of Visualized Experiments, 2008, , .	0.3	26
122	Imaging Characteristics of DHOG, a Hepatobiliary Contrast Agent for Preclinical MicroCT in Mice. Academic Radiology, 2008, 15, 342-349.	2.5	26
123	Uterine didelphys associated with obstructed hemivagina and ipsilateral renal anomaly (OHVIRA) syndrome. Radiology Case Reports, 2010, 5, 327.	0.6	24
124	Detection of Stem Cell Transplant Rejection with Ferumoxytol MR Imaging: Correlation of MR Imaging Findings with Those at Intravital Microscopy. Radiology, 2017, 284, 495-507.	7.3	24
125	Differentiation of benign and malignant lymph nodes in pediatric patients on ferumoxytol-enhanced PET/MRI. Theranostics, 2020, 10, 3612-3621.	10.0	24
126	MR imaging of antigen-induced arthritis with a new, folate receptor-targeted contrast agent. Contrast Media and Molecular Imaging, 2007, 2, 72-81.	0.8	23

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127	Evaluation of the novel USPIO GEH121333 for MR imaging of cancer immune responses. Contrast Media and Molecular Imaging, 2013, 8, 281-288.	0.8	23
128	Ectopic ureter associated with uterine didelphys and obstructed hemivagina: preoperative diagnosis by MRI. Pediatric Radiology, 2010, 40, 358-360.	2.0	22
129	Comparison of the diagnostic value of MR imaging and ophthalmoscopy for the staging of retinoblastoma. European Radiology, 2013, 23, 1271-1280.	4.5	22
130	How PET/MR Can Add Value for Children with Cancer. Current Radiology Reports, 2017, 5, 1.	1.4	22
131	Investigating macrophage-mediated inflammation in migraine using ultrasmall superparamagnetic iron oxide-enhanced 3T magnetic resonance imaging. Cephalalgia, 2019, 39, 1407-1420.	3.9	22
132	Tracking Cell Transplants in Femoral Osteonecrosis with Magnetic Resonance Imaging: A Proof-of-Concept Study in Patients. Clinical Cancer Research, 2018, 24, 6223-6229.	7.0	21
133	The role of sex as a biological variable in the efficacy and toxicity of therapeutic nanomedicine. Advanced Drug Delivery Reviews, 2021, 174, 337-347.	13.7	21
134	Accelerated stem cell labeling with ferucarbotran and protamine. European Radiology, 2010, 20, 640-648.	4.5	20
135	Speeding up PET/MR for cancer staging of children and young adults. European Radiology, 2016, 26, 4239-4248.	4.5	20
136	Macromolecular contrast mediaâ€"enhanced MRI estimates of microvascular permeability correlate with histopathologic tumor grade. Academic Radiology, 1998, 5, S2-S5.	2.5	19
137	Labeling human embryonic stem cell-derived cardiomyocytes with indocyanine green for noninvasive tracking with optical imaging: an FDA-compatible alternative to firefly luciferase. Cell Transplantation, 2010, 19, 55-65.	2.5	19
138	Macrophage phagocytosis alters the MRI signal of ferumoxytol-labeled mesenchymal stromal cells in cartilage defects. Scientific Reports, 2016, 6, 25897.	3.3	17
139	GdVO₄:Eu³⁺,Bi³⁺ Nanoparticles as a Contrast Agent for MRI and Luminescence Bioimaging. ACS Omega, 2019, 4, 15806-15814.	3.5	17
140	Instant labeling of therapeutic cells for multimodality imaging. Theranostics, 2020, 10, 6024-6034.	10.0	17
141	Clinical impact of PET/MRI in oligometastatic colorectal cancer. British Journal of Cancer, 2021, 125, 975-982.	6.4	17
142	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.	1.4	17
143	Magnetic Resonance Imaging and Tracking of Stem Cells. Methods in Molecular Biology, 2013, 1052, 167-176.	0.9	16
144	Comparison of ferumoxytol- and gadolinium chelate-enhanced MRI for assessment of sarcomas in children and adolescents. European Radiology, 2020, 30, 1790-1803.	4.5	16

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145	Labeling hESCs and hMSCs with Iron Oxide Nanoparticles for Non-Invasive in vivo Tracking with MR Imaging. Journal of Visualized Experiments, 2008, , .	0.3	15
146	Progressing Toward a Cohesive Pediatric 18F-FDG PET/MR Protocol: Is Administration of Gadolinium Chelates Necessary?. Journal of Nuclear Medicine, 2016, 57, 70-77.	5.0	15
147	A Comprehensive Circulating Tumor DNA Assay for Detection of Translocation and Copy-Number Changes in Pediatric Sarcomas. Molecular Cancer Therapeutics, 2021, 20, 2016-2025.	4.1	15
148	Labeling human embryonic stem-cell-derived cardiomyocytes for tracking with MR imaging. Pediatric Radiology, 2011, 41, 1384-1392.	2.0	14
149	Bone marrow oedema predicts bone collapse in paediatric and adolescent leukaemia patients with corticosteroid-induced osteonecrosis. European Radiology, 2018, 28, 410-417.	4.5	14
150	Association of Tumor [18F]FDG Activity and Diffusion Restriction with Clinical Outcomes of Rhabdomyosarcomas. Molecular Imaging and Biology, 2019, 21, 591-598.	2.6	14
151	Alk5 inhibition increases delivery of macromolecular and protein-bound contrast agents to tumors. JCI Insight, 2016, 1, .	5.0	13
152	Ferumoxytol Is Not Retained in Kidney Allografts in Patients Undergoing Acute Rejection. Molecular Imaging and Biology, 2018, 20, 139-149.	2.6	13
153	Theranostic nanoparticles enhance the response of glioblastomas to radiation. Nanotheranostics, 2019, 3, 299-310.	5.2	13
154	Tumor Formation of Adult Stem Cell Transplants in Rodent Arthritic Joints. Molecular Imaging and Biology, 2019, 21, 95-104.	2.6	12
155	How to stop using gadolinium chelates for magnetic resonance imaging: clinical-translational experiences with ferumoxytol. Pediatric Radiology, 2022, 52, 354-366.	2.0	12
156	PET/MRI Improves Management of Children with Cancer. Journal of Nuclear Medicine, 2021, 62, 1334-1340.	5.0	12
157	Detection of postoperative granulation tissue with an ICG-enhanced integrated OI-/X-ray System. Journal of Translational Medicine, 2008, 6, 73.	4.4	11
158	New Perspectives on Bone Marrow Contrast Agents and Molecular Imaging. Seminars in Musculoskeletal Radiology, 2009, 13, 145-156.	0.7	11
159	White Paper on P4 Concepts for Pediatric Imaging. Journal of the American College of Radiology, 2016, 13, 590-597.e2.	1.8	11
160	Diagnostic Accuracy of 2-[18F]FDG-PET and whole-body DW-MRI for the detection of bone marrow metastases in children and young adults. European Radiology, 2022, 32, 4967-4979.	4.5	11
161	MR Imaging Features of Gadofluorine-Labeled Matrix-Associated Stem Cell Implants in Cartilage Defects. PLoS ONE, 2012, 7, e49971.	2.5	10
162	Magnetic resonance imaging of stem cellâ€“macrophage interactions with ferumoxytol and ferumoxytolâ€derived nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1552.	6.1	10

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163	Ascorbic Acid and Iron Supplement Treatment Improves Stem Cellâ€“Mediated Cartilage Regeneration in a Minipig Model. American Journal of Sports Medicine, 2021, 49, 1861-1870.	4.2	10
164	Carboxymethyldextran-A2-Gd-DOTA enhancement patterns in the abdomen and pelvis in an animal model. European Radiology, 2001, 11, 1276-1284.	4.5	9
165	Improved fluorescence of indocyanine green in vitro and in vivo after simple cooling procedures. Contrast Media and Molecular Imaging, 2008, 3, 191-197.	0.8	9
166	MR Imaging of Stem Cell Transplants in Arthritic Joints. Journal of Stem Cell Research & Therapy, 2014, 04, 165.	0.3	9
167	The Fermi Paradox in STEMâ€”Where Are the Women Leaders?. Molecular Imaging and Biology, 2017, 19, 807-809.	2.6	9
168	A PET/MR Imaging Approach for the Integrated Assessment of Chemotherapy-induced Brain, Heart, and Bone Injuries in Pediatric Cancer Survivors: A Pilot Study. Radiology, 2017, 285, 971-979.	7.3	9
169	Writing a review article - Are you making these mistakes?. Nanotheranostics, 2018, 2, 197-200.	5.2	9
170	Evaluation of myelination and myelination disorders with turbo inversion recovery magnetic resonance imaging. European Radiology, 1997, 7, 1478-1484.	4.5	8
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