

Geoff J M Parker

List of Publications by Year in descending order

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Version: 2024-02-01

257
papers

23,805
citations

6592

79
h-index

8138

148
g-index

264
all docs

264
docs citations

264
times ranked

21708
citing authors

#	ARTICLE	IF	CITATIONS
1	A tractometry principal component analysis of white matter tract network structure and relationships with cognitive function in relapsing-remitting multiple sclerosis. <i>NeuroImage: Clinical</i> , 2022, 34, 102995.	1.4	1
2	Bias, Repeatability and Reproducibility of Liver T_1 Mapping With Variable Flip Angles. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1042-1052.	1.9	7
3	Evaluation of Dynamic Contrast-Enhanced MRI Measures of Lung Congestion and Endothelial Permeability in Heart Failure: A Prospective Method Validation Study. <i>Journal of Magnetic Resonance Imaging</i> , 2022, , .	1.9	1
4	Quantitative kinetic modelling and mapping of cerebral glucose transport and metabolism using glucoCESL MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 2066-2079.	2.4	1
5	Electrospinning for healthcare: recent advancements. <i>Journal of Materials Chemistry B</i> , 2021, 9, 939-951.	2.9	81
6	Innovations and advances in electrospraying technology. , 2021, , 207-228.		0
7	Image Contrast, Image Pre-Processing, and T1 Mapping Affect MRI Radiomic Feature Repeatability in Patients with Colorectal Cancer Liver Metastases. <i>Cancers</i> , 2021, 13, 240.	1.7	12
8	Dynamic contrast-enhanced MRI of synovitis in knee osteoarthritis: repeatability, discrimination and sensitivity to change in a prospective experimental study. <i>European Radiology</i> , 2021, 31, 5746-5758.	2.3	12
9	Optimization of quantitative susceptibility mapping for regional estimation of oxygen extraction fraction in the brain. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1314-1329.	1.9	5
10	Alzheimer's disease pathology is associated with earlier alterations to blood-brain barrier water permeability compared with healthy ageing in TgF344AD rats. <i>NMR in Biomedicine</i> , 2021, 34, e4510.	1.6	20
11	Effect of oxaliplatin plus 5-fluorouracil or capecitabine on circulating and imaging biomarkers in patients with metastatic colorectal cancer: a prospective biomarker study. <i>BMC Cancer</i> , 2021, 21, 354.	1.1	1
12	A model selection framework to quantify microvascular liver function in gadoxetate-enhanced MRI: Application to healthy liver, diseased tissue, and hepatocellular carcinoma. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1829-1844.	1.9	4
13	Sources of systematic error in DCE-MRI estimation of low-level blood-brain barrier leakage. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1888-1903.	1.9	21
14	Validating pore size estimates in a complex microfiber environment on a human MRI system. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1514-1530.	1.9	5
15	Coaxial electrospun biomimetic copolymer fibres for application in diffusion magnetic resonance imaging. <i>Bioinspiration and Biomimetics</i> , 2021, 16, 046016.	1.5	4
16	Comparative analysis of signal models for microscopic fractional anisotropy estimation using q-space trajectory encoding. <i>NeuroImage</i> , 2021, 242, 118445.	2.1	6
17	Mechanisms of Network Changes in Cognitive Impairment in Multiple Sclerosis. <i>Neurology</i> , 2021, 97, e1886-e1897.	1.5	18
18	Characterisation of microvessel blood velocity and segment length in the brain using multi-diffusion-time diffusion-weighted MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 0271678X2097852.	2.4	3

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19	Quantitative Magnetic Resonance Imaging in Perianal Crohn's Disease at 1.5 and 3.0 T: A Feasibility Study. <i>Diagnostics</i> , 2021, 11, 2135.	1.3	2
20	Extracellular resistance is sensitive to tissue sodium status; implications for bioimpedance-derived fluid volume parameters in chronic kidney disease. <i>Journal of Nephrology</i> , 2020, 33, 119-127.	0.9	13
21	Measuring water exchange across the blood-brain barrier using MRI. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2020, 116, 19-39.	3.9	49
22	The challenges of deploying artificial intelligence models in a rapidly evolving pandemic. <i>Nature Machine Intelligence</i> , 2020, 2, 298-300.	8.3	45
23	A tutorial and tool for exploring feature similarity gradients with MRI data. <i>NeuroImage</i> , 2020, 221, 117140.	2.1	26
24	Diffusion model comparison identifies distinct tumor subregions and tracks treatment response. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1250-1263.	1.9	6
25	A structural connectivity convergence zone in the ventral and anterior temporal lobes: Data-driven evidence from structural imaging. <i>Cortex</i> , 2019, 120, 298-307.	1.1	26
26	Reproducing Fingerprints: A Step toward Clinical Adoption. <i>Radiology</i> , 2019, 292, 438-439.	3.6	0
27	Multidimensional diffusion MRI with spectrally modulated gradients reveals unprecedented microstructural detail. <i>Scientific Reports</i> , 2019, 9, 9026.	1.6	58
28	Salt and Water Retention Is Associated with Microinflammation and Endothelial Injury in Chronic Kidney Disease. <i>Nephron</i> , 2019, 143, 234-242.	0.9	17
29	Towards a resolution limit for DW-MRI tumor microstructural models: A simulation study investigating the feasibility of distinguishing between microstructural changes. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2288-2301.	1.9	10
30	Oxygen-enhanced MRI Is Feasible, Repeatable, and Detects Radiotherapy-induced Change in Hypoxia in Xenograft Models and in Patients with Non-small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 3818-3829.	3.2	51
31	Co-electrospraying of tumour cell mimicking hollow polymeric microspheres for diffusion magnetic resonance imaging. <i>Materials Science and Engineering C</i> , 2019, 101, 217-227.	3.8	11
32	Measuring tissue sodium concentration: Cross-vendor repeatability and reproducibility of ²³ Na-MRI across two sites. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 1278-1284.	1.9	17
33	Water-exchange MRI detects subtle blood-brain barrier breakdown in Alzheimer's disease rats. <i>NeuroImage</i> , 2019, 184, 349-358.	2.1	52
34	Mapping whole brain connectivity changes: The potential impact of different surgical resection approaches for temporal lobe epilepsy. <i>Cortex</i> , 2019, 113, 1-14.	1.1	8
35	Final results of the phase 1/2, open-label clinical study of intravenous recombinant human N-acetyl- β -D-glucosaminidase (SBC-103) in children with mucopolysaccharidosis IIIB. <i>Molecular Genetics and Metabolism</i> , 2019, 126, 131-138.	0.5	17
36	Volumetric dynamic oxygen-enhanced MRI (OE-MRI): comparison with CT Brody score and lung function in cystic fibrosis patients. <i>European Radiology</i> , 2018, 28, 4037-4047.	2.3	20

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37	A biomimetic tumor tissue phantom for validating diffusion-weighted MRI measurements. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 147-158.	1.9	12
38	Axon mimicking hydrophilic hollow polycaprolactone microfibres for diffusion magnetic resonance imaging. <i>Materials and Design</i> , 2018, 137, 394-403.	3.3	14
39	Assessing Inflammation in Acute Intracerebral Hemorrhage with PK11195 PET and Dynamic Contrast-Enhanced MRI. , 2018, 28, 158-161.		15
40	Data-driven mapping of hypoxia-related tumor heterogeneity using DCE-MRI and OE-MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2236-2245.	1.9	18
41	Evaluation of dynamic contrast-enhanced MRI biomarkers for stratified cancer medicine: How do permeability and perfusion vary between human tumours?. <i>Magnetic Resonance Imaging</i> , 2018, 46, 98-105.	1.0	20
42	Plasma Tie2 is a tumor vascular response biomarker for VEGF inhibitors in metastatic colorectal cancer. <i>Nature Communications</i> , 2018, 9, 4672.	5.8	47
43	Delivering Functional Imaging on the MRI-Linac: Current Challenges and Potential Solutions. <i>Clinical Oncology</i> , 2018, 30, 702-710.	0.6	39
44	Microstructural imaging of the human brain with a "super-scanner"™: 10 key advantages of ultra-strong gradients for diffusion MRI. <i>NeuroImage</i> , 2018, 182, 8-38.	2.1	138
45	OC-0632: Oxygen enhanced-MRI is feasible, repeatable and detects radiotherapy-induced NSCLC hypoxia changes. <i>Radiotherapy and Oncology</i> , 2018, 127, S336-S337.	0.3	2
46	Stability and reproducibility of co-electrospun brain-mimicking phantoms for quality assurance of diffusion MRI sequences. <i>NeuroImage</i> , 2018, 181, 395-402.	2.1	9
47	Mapping Hypoxia in Renal Carcinoma with Oxygen-enhanced MRI: Comparison with Intrinsic Susceptibility MRI and Pathology. <i>Radiology</i> , 2018, 288, 739-747.	3.6	34
48	AB1186...Dynamic contrast enhanced mr imaging in early stage knee osteoarthritis: a test-retest repeatability study in healthy and moderately diseased subjects. , 2018, , .		0
49	Early experience of oxygen enhanced magnetic resonance imaging (OE-MRI) in ataxia telangiectasia (A-T). , 2018, , .		0
50	The tract terminations in the temporal lobe: Their location and associated functions. <i>Cortex</i> , 2017, 97, 277-290.	1.1	48
51	Repeatability and response to therapy of dynamic contrast-enhanced magnetic resonance imaging biomarkers in rheumatoid arthritis in a large multicentre trial setting. <i>European Radiology</i> , 2017, 27, 3662-3668.	2.3	20
52	A graded tractographic parcellation of the temporal lobe. <i>NeuroImage</i> , 2017, 155, 503-512.	2.1	55
53	Hollow Polycaprolactone Microspheres with/without a Single Surface Hole by Co-Electrospraying. <i>Langmuir</i> , 2017, 33, 13262-13271.	1.6	28
54	Imaging biomarker roadmap for cancer studies. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 169-186.	12.5	792

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55	SAT0624â€¦Quantitative 3D imaging of tenosynovitis and bone marrow edema by DCE-MRI is a sensitive measure of response to therapy in rheumatoid arthritis. , 2017, , .		0
56	Oxygen Enhanced Optoacoustic Tomography (OE-OT) Reveals Vascular Dynamics in Murine Models of Prostate Cancer. Theranostics, 2017, 7, 2900-2913.	4.6	83
57	Inter-tumor validation, through advanced MRI and circulating biomarkers, of plasma Tie2 as the vascular response biomarker for bevacizumab.. Journal of Clinical Oncology, 2017, 35, 11521-11521.	0.8	0
58	Evaluation of non-contrast MRI biomarkers in lupus nephritis. Clinical and Experimental Rheumatology, 2017, 35, 954-958.	0.4	4
59	Biomimetic phantom for cardiac diffusion MRI. Journal of Magnetic Resonance Imaging, 2016, 43, spcone-spcone.	1.9	1
60	Biomimetic phantom for cardiac diffusion MRI. Journal of Magnetic Resonance Imaging, 2016, 43, 594-600.	1.9	24
61	Preparation and characterization of polycaprolactone microspheres by electrospraying. Aerosol Science and Technology, 2016, 50, 1201-1215.	1.5	29
62	COPD Patients Have Short Lung Magnetic ResonanceT1Relaxation Time. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2016, 13, 153-159.	0.7	17
63	Mitotic Activity in Glioblastoma Correlates with Estimated Extravascular Extracellular Space Derived from Dynamic Contrast-Enhanced MR Imaging. American Journal of Neuroradiology, 2016, 37, 811-817.	1.2	23
64	Oxygen-Enhanced MRI Accurately Identifies, Quantifies, and Maps Tumor Hypoxia in Preclinical Cancer Models. Cancer Research, 2016, 76, 787-795.	0.4	133
65	T1-weighted Dynamic Contrast-enhanced MR Imaging of the Lung in Asthma: Semiquantitative Analysis for the Assessment of Contrast Agent Kinetic Characteristics. Radiology, 2016, 278, 906-916.	3.6	8
66	T1 Relaxation Time in Lungs of Asymptomatic Smokers. PLoS ONE, 2016, 11, e0149760.	1.1	8
67	Respiratory tract exacerbations revisited: Ventilation, inflammation, perfusion, and structure (VIPS) monitoring to redefine treatment. Pediatric Pulmonology, 2015, 50, S57-65.	1.0	29
68	Validation of High-Resolution Tractography Against<i>In Vivo</i>Tracing in the Macaque Visual Cortex. Cerebral Cortex, 2015, 25, 4299-4309.	1.6	101
69	Mixedâ€œeffects modeling of clinical DCEâ€œMRI data: Application to colorectal liver metastases treated with bevacizumab. Journal of Magnetic Resonance Imaging, 2015, 41, 132-141.	1.9	9
70	SAT0601â€¦A Novel, Fully 3-Dimensional Dynamic Contrast MRI Method in the Hand Reveals Details of Synovial Inflammation and Provides a Sensitive Measure of Change. Annals of the Rheumatic Diseases, 2015, 74, 879.1-879.	0.5	0
71	Biomimetic phantom for the validation of diffusion magnetic resonance imaging. Magnetic Resonance in Medicine, 2015, 73, 299-305.	1.9	57
72	P284â€¦V/Q scanning using oxygen-enhanced Magnetic Resonance Imaging. Thorax, 2015, 70, A221-A221.	2.7	0

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73	Co-electrospun Brain Mimetic Hollow Microfibres Fibres for Diffusion Magnetic Resonance Imaging. <i>Nanoscience and Technology</i> , 2015, , 289-304.	1.5	2
74	MR Quantitative Equilibrium Signal Mapping: A Reliable Alternative to CT in the Assessment of Emphysema in Patients with Chronic Obstructive Pulmonary Disease. <i>Radiology</i> , 2015, 275, 579-588.	3.6	12
75	Production and cross-sectional characterization of aligned co-electrospun hollow microfibrillar bulk assemblies. <i>Materials Characterization</i> , 2015, 109, 25-35.	1.9	24
76	Dynamic oxygen-enhanced magnetic resonance imaging of the lung in asthma—Initial experience. <i>European Journal of Radiology</i> , 2015, 84, 318-326.	1.2	39
77	The grey matter correlates of impaired decision-making in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 530-536.	0.9	30
78	Imaging Intratumor Heterogeneity: Role in Therapy Response, Resistance, and Clinical Outcome. <i>Clinical Cancer Research</i> , 2015, 21, 249-257.	3.2	497
79	Ground Truth for Diffusion MRI in Cancer: A Model-Based Investigation of a Novel Tissue-Mimetic Material. <i>Lecture Notes in Computer Science</i> , 2015, 24, 179-190.	1.0	6
80	Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2015, , 1-5.		0
81	Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2015, , 1439-1443.		0
82	Secondary Progressive and Relapsing Remitting Multiple Sclerosis Leads to Motor-Related Decreased Anatomical Connectivity. <i>PLoS ONE</i> , 2014, 9, e95540.	1.1	17
83	Measurement of the Curie temperature distribution in FePt granular magnetic media. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	41
84	Diffusion tensor MRI phantom exhibits anomalous diffusion. , 2014, 2014, 746-9.		9
85	Mutual information as a measure of image quality for 3D dynamic lung imaging with EIT. <i>Physiological Measurement</i> , 2014, 35, 863-879.	1.2	23
86	Validation of Tractography. , 2014, , 453-480.		4
87	MRI diffusion tractography study in individuals with schizotypal features: A pilot study. <i>Psychiatry Research - Neuroimaging</i> , 2014, 221, 49-57.	0.9	9
88	Noninvasive tumor hypoxia measurement using magnetic resonance imaging in murine U87 glioma xenografts and in patients with glioblastoma. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1854-1862.	1.9	54
89	Voxel-wise quantification of myocardial blood flow with cardiovascular magnetic resonance: effect of variations in methodology and validation with positron emission tomography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 11.	1.6	31
90	Multiparametric cardiovascular magnetic resonance surveillance of acute cardiac allograft rejection and characterisation of transplantation-associated myocardial injury. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P394.	1.6	1

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91	Voxel-wise quantification of myocardial blood flow with cardiovascular magnetic resonance: effect of variations in methodology and validation with positron emission tomography. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P352.	1.6	0
92	Multiparametric cardiovascular magnetic resonance assessment of cardiac allograft vasculopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, O3.	1.6	0
93	Feasibility assessment of using oxygen-enhanced magnetic resonance imaging for evaluating the effect of pharmacological treatment in COPD. <i>European Journal of Radiology</i> , 2014, 83, 2093-2101.	1.2	30
94	Multiparametric cardiovascular magnetic resonance surveillance of acute cardiac allograft rejection and characterisation of transplantation-associated myocardial injury: a pilot study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 52.	1.6	51
95	Multiparametric Cardiovascular Magnetic Resonance Assessment of Cardiac Allograft Vasculopathy. <i>Journal of the American College of Cardiology</i> , 2014, 63, 799-808.	1.2	82
96	Indexed distribution analysis for improved significance testing of spatially heterogeneous parameter maps: Application to dynamic contrast-enhanced MRI biomarkers. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1299-1311.	1.9	6
97	Brain tissue modifications induced by cholinergic therapy in Alzheimer's disease. <i>Human Brain Mapping</i> , 2013, 34, 3158-3167.	1.9	14
98	The CONNECT project: Combining macro- and micro-structure. <i>NeuroImage</i> , 2013, 80, 273-282.	2.1	121
99	A phase 1 trial of intravenous 4-(N-(S-glutathionylacetyl)amino) phenylarsenoxide (GSAO) in patients with advanced solid tumours. <i>Cancer Chemotherapy and Pharmacology</i> , 2013, 72, 1343-1352.	1.1	33
100	Comprehensive Validation of Cardiovascular Magnetic Resonance Techniques for the Assessment of Myocardial Extracellular Volume. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 373-383.	1.3	324
101	Anatomical brain connectivity can assess cognitive dysfunction in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2013, 19, 1161-1168.	1.4	33
102	Using in vivo probabilistic tractography to reveal two segregated dorsal "language-cognitive"™ pathways in the human brain. <i>Brain and Language</i> , 2013, 127, 230-240.	0.8	25
103	Response to Letter Regarding Article, "Comprehensive Validation of Cardiovascular Magnetic Resonance Techniques for the Assessment of Myocardial Extracellular Volume". <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, e26-7.	1.3	4
104	Diffusion MRI-based cortical complexity alterations associated with executive function in multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 54-63.	1.9	17
105	Effects of grain microstructure on magnetic properties in FePtAg-C media for heat assisted magnetic recording. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	31
106	R_1 and R_2^* changes in the human placenta in response to maternal oxygen challenge. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1427-1433.	1.9	68
107	083 HISTOLOGICAL VALIDATION OF DYNAMIC-EQUILIBRIUM CARDIOVASCULAR MAGNETIC RESONANCE FOR THE ASSESSMENT OF MYOCARDIAL EXTRACELLULAR VOLUME. <i>Heart</i> , 2013, 99, A51-A52.	1.2	0
108	084 EFFECT OF CONTRAST DOSE, POST-CONTRAST ACQUISITION TIME, MYOCARDIAL REGIONALITY, CARDIAC CYCLE AND GENDER ON DYNAMIC-EQUILIBRIUM CONTRAST CMR MEASUREMENT OF MYOCARDIAL EXTRACELLULAR VOLUME. <i>Heart</i> , 2013, 99, A52.1-A52.	1.2	0

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109	Mutual information as a measure of reconstruction quality in 3D dynamic lung EIT. Journal of Physics: Conference Series, 2013, 434, 012082.	0.3	0
110	DCE-MRI: acquisition and analysis techniques. , 2013, , 58-74.		15
111	Convergent Connectivity and Graded Specialization in the Rostral Human Temporal Lobe as Revealed by Diffusion-Weighted Imaging Probabilistic Tractography. Journal of Cognitive Neuroscience, 2012, 24, 1998-2014.	1.1	194
112	Coaxially Electrospun Axon-Mimicking Fibers for Diffusion Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2012, 4, 6311-6316.	4.0	34
113	Dynamic contrast-enhanced MRI in clinical trials of antivascular therapies. Nature Reviews Clinical Oncology, 2012, 9, 167-177.	12.5	318
114	The variation of function across the human insula mirrors its patterns of structural connectivity: Evidence from in vivo probabilistic tractography. NeuroImage, 2012, 59, 3514-3521.	2.1	183
115	Fusion of images obtained from EIT and MRI. Electronics Letters, 2012, 48, 617.	0.5	9
116	Group-averaged anatomical connectivity mapping for improved human white matter pathway visualisation. NMR in Biomedicine, 2012, 25, 1224-1233.	1.6	19
117	Imaging vascular function for early stage clinical trials using dynamic contrast-enhanced magnetic resonance imaging. European Radiology, 2012, 22, 1451-1464.	2.3	138
118	DCE-MRI model selection for investigating disruption of microvascular function in livers with metastatic disease. Journal of Magnetic Resonance Imaging, 2012, 35, 196-203.	1.9	25
119	Axon diameter mapping in the presence of orientation dispersion with diffusion MRI. NeuroImage, 2011, 56, 1301-1315.	2.1	240
120	Anatomical connectivity mapping: A new tool to assess brain disconnection in Alzheimer's disease. NeuroImage, 2011, 54, 2045-2051.	2.1	73
121	A two-part Phase II study of cediranib in patients with advanced solid tumours: the effect of food on single-dose pharmacokinetics and an evaluation of safety, efficacy and imaging pharmacodynamics. Cancer Chemotherapy and Pharmacology, 2011, 68, 631-641.	1.1	22
122	The effect of blood inflow and B_1 field inhomogeneity on measurement of the arterial input function in axial 3D spoiled gradient echo dynamic contrast-enhanced MRI. Magnetic Resonance in Medicine, 2011, 65, 108-119.	1.9	61
123	Comparison of dynamic contrast-enhanced MRI and dynamic contrast-enhanced CT biomarkers in bladder cancer. Magnetic Resonance in Medicine, 2011, 66, 219-226.	1.9	20
124	Jet deposition in near-field electrospinning of patterned polycaprolactone and sugar-polycaprolactone core-shell fibres. Polymer, 2011, 52, 3603-3610.	1.8	68
125	Structural and optical properties of different dielectric thin films for planar waveguiding applications. , 2011, , .		1
126	Brain Hemispheric Structural Efficiency and Interconnectivity Rightward Asymmetry in Human and Nonhuman Primates. Cerebral Cortex, 2011, 21, 56-67.	1.6	171

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127	DCE-MRI biomarkers of tumour heterogeneity predict CRC liver metastasis shrinkage following bevacizumab and FOLFOX-6. <i>British Journal of Cancer</i> , 2011, 105, 139-145.	2.9	123
128	Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2011, , 1173-1176.		0
129	The inferior, anterior temporal lobes and semantic memory clarified: Novel evidence from distortion-corrected fMRI. <i>Neuropsychologia</i> , 2010, 48, 1689-1696.	0.7	159
130	Distortion correction for diffusion-weighted MRI tractography and fMRI in the temporal lobes. <i>Human Brain Mapping</i> , 2010, 31, 1570-1587.	1.9	139
131	Multiple-bolus dynamic contrast-enhanced MRI in the pancreas during a glucose challenge. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 622-628.	1.9	11
132	Tracer kinetic analysis of dynamic contrast-enhanced MRI and CT bladder cancer data: A preliminary comparison to assess the magnitude of water exchange effects. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 595-603.	1.9	35
133	Measurement of arterial plasma oxygenation in dynamic oxygen-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1838-1842.	1.9	16
134	Investigating Regional Pulmonary Compliance In Chronic Obstructive Pulmonary Disease And Healthy Volunteers Using Novel Proton MRI Method. , 2010, , .		0
135	The Ventral and Inferolateral Aspects of the Anterior Temporal Lobe Are Crucial in Semantic Memory: Evidence from a Novel Direct Comparison of Distortion-Corrected fMRI, rTMS, and Semantic Dementia. <i>Cerebral Cortex</i> , 2010, 20, 2728-2738.	1.6	378
136	Identification of early predictive imaging biomarkers and their relationship to serological angiogenic markers in patients with ovarian cancer with residual disease following cytotoxic therapy. <i>Annals of Oncology</i> , 2010, 21, 1982-1989.	0.6	27
137	Candidate Biomarkers of Extravascular Extracellular Space: A Direct Comparison of Apparent Diffusion Coefficient and Dynamic Contrast-Enhanced MR Imaging-Derived Measurement of the Volume of the Extravascular Extracellular Space in Glioblastoma Multiforme. <i>American Journal of Neuroradiology</i> , 2010, 31, 549-553.	1.2	61
138	Enhancing Fraction in Glioma and Its Relationship to the Tumoral Vascular Microenvironment: A Dynamic Contrast-Enhanced MR Imaging Study. <i>American Journal of Neuroradiology</i> , 2010, 31, 726-731.	1.2	26
139	Orientationally invariant indices of axon diameter and density from diffusion MRI. <i>NeuroImage</i> , 2010, 52, 1374-1389.	2.1	629
140	Imaging angiogenesis of genitourinary tumors. <i>Nature Reviews Urology</i> , 2010, 7, 69-82.	1.9	27
141	Probabilistic Fiber Tracking. , 2010, , 396-408.		6
142	Cross-Visit Tumor Sub-segmentation and Registration with Outlier Rejection for Dynamic Contrast-Enhanced MRI Time Series Data. <i>Lecture Notes in Computer Science</i> , 2010, 13, 121-128.	1.0	4
143	Selective inhibition of proliferating endothelial cells: A phase I study of the novel organoarsenical compound GSAO in patients with advanced solid tumors.. <i>Journal of Clinical Oncology</i> , 2010, 28, TPS167-TPS167.	0.8	0
144	Quantifying Antivascular Effects of Monoclonal Antibodies to Vascular Endothelial Growth Factor: Insights from Imaging. <i>Clinical Cancer Research</i> , 2009, 15, 6674-6682.	3.2	142

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145	Defining Meyer's loop-temporal lobe resections, visual field deficits and diffusion tensor tractography. <i>Brain</i> , 2009, 132, 1656-1668.	3.7	158
146	Using the Model-Based Residual Bootstrap to Quantify Uncertainty in Fiber Orientations From χ^2 -Ball Analysis. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 535-550.	5.4	42
147	Modeling of contrast agent kinetics in the lung using T_1 -weighted dynamic contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1507-1514.	1.9	58
148	Comparison of normal tissue R_1 and R_2 modulation by oxygen and carbogen. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 75-83.	1.9	77
149	Comparison of model-based arterial input functions for dynamic contrast-enhanced MRI in tumor bearing rats. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1173-1184.	1.9	84
150	Quantifying spatial heterogeneity in dynamic contrast-enhanced MRI parameter maps. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 488-499.	1.9	123
151	Preliminary Study of Oxygen-Enhanced Longitudinal Relaxation in MRI: A Potential Novel Biomarker of Oxygenation Changes in Solid Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 1209-1215.	0.4	107
152	Tumour enhancing fraction (EnF) in glioma: relationship to tumour grade. <i>European Radiology</i> , 2009, 19, 1489-1498.	2.3	16
153	Validation of Tractography. , 2009, , 353-375.		13
154	Oxygen-induced changes in longitudinal relaxation times in skeletal muscle. <i>Magnetic Resonance Imaging</i> , 2008, 26, 221-227.	1.0	24
155	Distortion correction for a double inversion-recovery sequence with an echo-planar imaging readout. <i>Magnetic Resonance Imaging</i> , 2008, 26, 943-953.	1.0	3
156	Evidence for Segregated and Integrative Connectivity Patterns in the Human Basal Ganglia. <i>Journal of Neuroscience</i> , 2008, 28, 7143-7152.	1.7	695
157	White matter tracts in first-episode psychosis: A DTI tractography study of the uncinate fasciculus. <i>NeuroImage</i> , 2008, 39, 949-955.	2.1	114
158	Tractography of the parahippocampal gyrus and material specific memory impairment in unilateral temporal lobe epilepsy. <i>NeuroImage</i> , 2008, 40, 1755-1764.	2.1	86
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