

# Martin Leach

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

426  
papers

23,722  
citations

72  
h-index

141  
g-index

466  
ext. papers

26,321  
ext. citations

5.9  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
426	Early Response to Chemotherapy in Malignant Pleural Mesothelioma Evaluated Using Diffusion-Weighted Magnetic Resonance Imaging: Initial Observations. <i>JTO Clinical and Research Reports</i> , <b>2021</b> , 2, 100253	1.4	
425	Quantifying MRI relaxation in flowing blood: implications for arterial input function measurement in DCE-MRI. <i>British Journal of Radiology</i> , <b>2021</b> , 94, 20191004	3.4	0
424	A novel roadmap connecting the H-MRS total choline resonance to all hallmarks of cancer following targeted therapy. <i>European Radiology Experimental</i> , <b>2021</b> , 5, 5	4.5	1
423	DCE-MRI is more sensitive than IVIM-DWI for assessing anti-angiogenic treatment-induced changes in colorectal liver metastases.. <i>Cancer Imaging</i> , <b>2021</b> , 21, 67	5.6	0
422	Psychosocial effects of whole-body MRI screening in adult high-risk pathogenic mutation carriers: a case-controlled study (SIGNIFY). <i>Journal of Medical Genetics</i> , <b>2020</b> , 57, 226-236	5.8	8
421	Noise-Corrected, Exponentially Weighted, Diffusion-Weighted MRI (niceDWI) Improves Image Signal Uniformity in Whole-Body Imaging of Metastatic Prostate Cancer. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 704	5.3	3
420	Monocarboxylate transporter 1 blockade with AZD3965 inhibits lipid biosynthesis and increases tumour immune cell infiltration. <i>British Journal of Cancer</i> , <b>2020</b> , 122, 895-903	8.7	30
419	Increased inflammatory lipid metabolism and anaplerotic mitochondrial activation follow acquired resistance to vemurafenib in BRAF-mutant melanoma cells. <i>British Journal of Cancer</i> , <b>2020</b> , 122, 72-81	8.7	10
418	phosphatidylcholine synthesis is required for autophagosome membrane formation and maintenance during autophagy. <i>Autophagy</i> , <b>2020</b> , 16, 1044-1060	10.2	35
417	Utility of Multi-Parametric Quantitative Magnetic Resonance Imaging for Characterization and Radiotherapy Response Assessment in Soft-Tissue Sarcomas and Correlation With Histopathology. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 280	5.3	8
416	Synthetic 4D-CT of the thorax for treatment plan adaptation on MR-guided radiotherapy systems. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 115005	3.8	7
415	Post-radiotherapy apparent diffusion coefficient (ADC) in children and young adults with high-grade gliomas and diffuse intrinsic pontine gliomas. <i>Pediatric Hematology and Oncology</i> , <b>2019</b> , 36, 103-112	1.7	5
414	Methodological consensus on clinical proton MRS of the brain: Review and recommendations. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 527-550	4.4	134
413	Supervised Machine-Learning Enables Segmentation and Evaluation of Heterogeneous Post-treatment Changes in Multi-Parametric MRI of Soft-Tissue Sarcoma. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 941	5.3	14
412	Growth Trajectories, Breast Size, and Breast-Tissue Composition in a British Prebirth Cohort of Young Women. <i>American Journal of Epidemiology</i> , <b>2018</b> , 187, 1259-1268	3.8	6
411	Characterisation of fibrosis in chemically-induced rat mammary carcinomas using multi-modal endogenous contrast MRI on a 1.5T clinical platform. <i>European Radiology</i> , <b>2018</b> , 28, 1642-1653	8	3
410	Quantitative evaluation of contrast agent uptake in standard fat-suppressed dynamic contrast-enhanced MRI examinations of the breast. <i>Medical Physics</i> , <b>2018</b> , 45, 287-296	4.4	6

409	Prospective multicentre evaluation and refinement of an analysis tool for magnetic resonance spectroscopy of childhood cerebellar tumours. <i>Pediatric Radiology</i> , <b>2018</b> , 48, 1630-1641	2.8	4
408	Microstructure Characterization of Bone Metastases from Prostate Cancer with Diffusion MRI: Preliminary Findings. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 26	5.3	6
407	Evaluating Imaging Biomarkers of Acquired Resistance to Targeted EGFR Therapy in Xenograft Models of Human Head and Neck Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 271	5.3	7
406	Super-resolution T2-weighted 4D MRI for image guided radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 129, 486-493	5.3	14
405	Changes in multimodality functional imaging parameters early during chemoradiation predict treatment response in patients with locally advanced head and neck cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2018</b> , 45, 759-767	8.8	22
404	MRI-based Assessment of 3D Intrafractional Motion of Head and Neck Cancer for Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 100, 306-316	4	12
403	Circulating Growth and Sex Hormone Levels and Breast Tissue Composition in Young Nulliparous Women. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2018</b> , 27, 1500-1508	4	2
402	Reproducibility of the lung anatomy under active breathing coordinator control: Dosimetric consequences for scanned proton treatments. <i>Medical Physics</i> , <b>2018</b> , 45, 5525-5534	4.4	5
401	Metabolic biomarkers of response to the AKT inhibitor MK-2206 in pre-clinical models of human colorectal and prostate carcinoma. <i>British Journal of Cancer</i> , <b>2018</b> , 119, 1118-1128	8.7	8
400	PO-0959: Dosimetric Evaluation of Midposition Pseudo-CT for MR-only Lung Radiotherapy Treatment planning. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 127, S526-S527	5.3	2
399	Repeatability of derived parameters from histograms following non-Gaussian diffusion modelling of diffusion-weighted imaging in a paediatric oncological cohort. <i>European Radiology</i> , <b>2017</b> , 27, 345-353	8	31
398	A computerized volumetric segmentation method applicable to multi-centre MRI data to support computer-aided breast tissue analysis, density assessment and lesion localization. <i>Medical and Biological Engineering and Computing</i> , <b>2017</b> , 55, 57-68	3.1	17
397	Baseline results from the UK SIGNIFY study: a whole-body MRI screening study in TP53 mutation carriers and matched controls. <i>Familial Cancer</i> , <b>2017</b> , 16, 433-440	3	39
396	Lung volume reproducibility under ABC control and self-sustained breath-holding. <i>Journal of Applied Clinical Medical Physics</i> , <b>2017</b> , 18, 154-162	2.3	11
395	Breast MRI segmentation for density estimation: Do different methods give the same results and how much do differences matter?. <i>Medical Physics</i> , <b>2017</b> , 44, 4573-4592	4.4	15
394	A generalized framework unifying image registration and respiratory motion models and incorporating image reconstruction, for partial image data or full images. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 4273-4292	3.8	27
393	Noninvasive Imaging of Cycling Hypoxia in Head and Neck Cancer Using Intrinsic Susceptibility MRI. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 4233-4241	12.9	24
392	Extracranial Soft-Tissue Tumors: Repeatability of Apparent Diffusion Coefficient Estimates from Diffusion-weighted MR Imaging. <i>Radiology</i> , <b>2017</b> , 284, 88-99	20.5	33

391	Accuracy of screening women at familial risk of breast cancer without a known gene mutation: Individual patient data meta-analysis. <i>European Journal of Cancer</i> , <b>2017</b> , 85, 31-38	7.5	18
390	Pediatric and adult glioblastoma radiosensitization induced by PI3K/mTOR inhibition causes early metabolic alterations detected by nuclear magnetic resonance spectroscopy. <i>Oncotarget</i> , <b>2017</b> , 8, 47969-47983	3.2	8
389	MCT1 Inhibitor AZD3965 Increases Mitochondrial Metabolism, Facilitating Combination Therapy and Noninvasive Magnetic Resonance Spectroscopy. <i>Cancer Research</i> , <b>2017</b> , 77, 5913-5924	10.1	61
388	Detecting human melanoma cell re-differentiation following BRAF or heat shock protein 90 inhibition using photoacoustic and magnetic resonance imaging. <i>Scientific Reports</i> , <b>2017</b> , 7, 8215	4.9	7
387	Magnetic Resonance Imaging-Based Assessment of Breast Cancer-Related Lymphoedema Tissue Composition. <i>Investigative Radiology</i> , <b>2017</b> , 52, 554-561	10.1	13
386	T2-Weighted 4D Magnetic Resonance Imaging for Application in Magnetic Resonance-Guided Radiotherapy Treatment Planning. <i>Investigative Radiology</i> , <b>2017</b> , 52, 563-573	10.1	23
385	Feasibility and applicability of diffusion-weighted and dynamic contrast-enhanced magnetic resonance imaging in routine assessments of children with high-grade gliomas. <i>Pediatric Blood and Cancer</i> , <b>2017</b> , 64, 279-283	3	2
384	Imaging biomarker roadmap for cancer studies. <i>Nature Reviews Clinical Oncology</i> , <b>2017</b> , 14, 169-186	19.4	532
383	Diffusion-weighted Imaging as a Treatment Response Biomarker for Evaluating Bone Metastases in Prostate Cancer: A Pilot Study. <i>Radiology</i> , <b>2017</b> , 283, 168-177	20.5	57
382	Blood transfusion during radical chemo-radiotherapy does not reduce tumour hypoxia in squamous cell cancer of the head and neck. <i>British Journal of Cancer</i> , <b>2017</b> , 116, 28-35	8.7	16
381	Magnetic Resonance Spectroscopy to Study Glycolytic Metabolism During Autophagy. <i>Methods in Enzymology</i> , <b>2017</b> , 588, 133-153	1.7	6
380	Non-Invasive Prostate Cancer Characterization with Diffusion-Weighted MRI: Insight from Studies of a Transgenic Mouse Model. <i>Frontiers in Oncology</i> , <b>2017</b> , 7, 290	5.3	7
379	In vitro nuclear magnetic resonance spectroscopy metabolic biomarkers for the combination of temozolomide with PI3K inhibition in paediatric glioblastoma cells. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180263	3.7	2
378	Evaluation of the combination of the dual m-TORC1/2 inhibitor vistusertib (AZD2014) and paclitaxel in ovarian cancer models. <i>Oncotarget</i> , <b>2017</b> , 8, 113874-113884	3.3	15
377	MRI Applications, Clinical <b>2017</b> , 873-882		
376	Diffusion-weighted MR imaging of metastatic abdominal and pelvic tumours is sensitive to early changes induced by a VEGF inhibitor using alternative diffusion attenuation models. <i>European Radiology</i> , <b>2016</b> , 26, 1412-9	8	28
375	Validating a robust double-quantum-filtered (1) H MRS lactate measurement method in high-grade brain tumours. <i>NMR in Biomedicine</i> , <b>2016</b> , 29, 1420-6	4.4	7
374	The BRAF Inhibitor Vemurafenib Activates Mitochondrial Metabolism and Inhibits Hyperpolarized Pyruvate-Lactate Exchange in BRAF-Mutant Human Melanoma Cells. <i>Molecular Cancer Therapeutics</i> , <b>2016</b> , 15, 2987-2999	6.1	30

373	Time-resolved angiography with stochastic trajectories for dynamic contrast-enhanced MRI in head and neck cancer: Are pharmacokinetic parameters affected?. <i>Medical Physics</i> , <b>2016</b> , 43, 6024	4.4	2
372	Pre-natal exposures and breast tissue composition: findings from a British pre-birth cohort of young women and a systematic review. <i>Breast Cancer Research</i> , <b>2016</b> , 18, 102	8.3	11
371	Assessment of repeatability and treatment response in early phase clinical trials using DCE-MRI: comparison of parametric analysis using MR- and CT-derived arterial input functions. <i>European Radiology</i> , <b>2016</b> , 26, 1991-8	8	23
370	Rapid development of image analysis research tools: Bridging the gap between researcher and clinician with pyOsiriX. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 69, 203-12	7	30
369	Contribution of mammography to MRI screening in BRCA mutation carriers by BRCA status and age: individual patient data meta-analysis. <i>British Journal of Cancer</i> , <b>2016</b> , 114, 631-7	8.7	69
368	Comparison of Dixon Sequences for Estimation of Percent Breast Fibroglandular Tissue. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152152	3.7	14
367	Inter- and Intra-Observer Repeatability of Quantitative Whole-Body, Diffusion-Weighted Imaging (WBDWI) in Metastatic Bone Disease. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153840	3.7	30
366	RA-02DIFFUSION-WEIGHTED AND DYNAMIC CONTRAST-ENHANCED MAGNETIC RESONANCE IMAGING AS MARKERS OF CLINICAL BEHAVIOUR IN PAEDIATRIC HIGH GRADE GLIOMAS. <i>Neuro-Oncology</i> , <b>2016</b> , 18, iii165.1-iii165	1	78
365	Evaluating the diagnostic sensitivity of computed diffusion-weighted MR imaging in the detection of breast cancer. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 44, 130-7	5.6	31
364	Quality assurance in MRI breast screening: comparing signal-to-noise ratio in dynamic contrast-enhanced imaging protocols. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 37-49	3.8	6
363	Modulation of renal oxygenation and perfusion in rat kidney monitored by quantitative diffusion and blood oxygen level dependent magnetic resonance imaging on a clinical 1.5T platform. <i>BMC Nephrology</i> , <b>2016</b> , 17, 142	2.7	5
362	Development of a temperature-controlled phantom for magnetic resonance quality assurance of diffusion, dynamic, and relaxometry measurements. <i>Medical Physics</i> , <b>2016</b> , 43, 2998-3007	4.4	20
361	Extended T2-IVIM model for correction of TE dependence of pseudo-diffusion volume fraction in clinical diffusion-weighted magnetic resonance imaging. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, N667-N680	3.8	44
360	A novel approach to evaluate spatial resolution of MRI clinical images for optimization and standardization of breast screening protocols. <i>Medical Physics</i> , <b>2016</b> , 43, 6354	4.4	3
359	Visualizing whole-body treatment response heterogeneity using multi-parametric magnetic resonance imaging. <i>Journal of Algorithms and Computational Technology</i> , <b>2016</b> , 10, 290-301	0.7	7
358	Volume of Bone Metastasis Assessed with Whole-Body Diffusion-weighted Imaging Is Associated with Overall Survival in Metastatic Castration-resistant Prostate Cancer. <i>Radiology</i> , <b>2016</b> , 280, 151-60	20.5	36
357	Pseudoprogression in children, adolescents and young adults with non-brainstem high grade glioma and diffuse intrinsic pontine glioma. <i>Journal of Neuro-Oncology</i> , <b>2016</b> , 129, 109-21	4.8	22
356	Repeatability and sensitivity of T2* measurements in patients with head and neck squamous cell carcinoma at 3T. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 44, 72-80	5.6	24

355	Slice Encoding for Metal Artefact Correction in magnetic resonance imaging examinations for radiotherapy planning. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 120, 356-62	5.3	8
354	T-adjusted computed diffusion-weighted imaging: A novel method to enhance tumour visualisation. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 79, 92-98	7	8
353	Detecting microvascular changes in the mouse spleen using optical computed tomography. <i>Microvascular Research</i> , <b>2015</b> , 101, 96-102	3.7	2
352	Demonstration of the reproducibility of free-breathing diffusion-weighted MRI and dynamic contrast enhanced MRI in children with solid tumours: a pilot study. <i>European Radiology</i> , <b>2015</b> , 25, 2641-50	8.0	22
351	Diffusion-weighted MR neurography for the assessment of brachial plexopathy in oncological practice. <i>Cancer Imaging</i> , <b>2015</b> , 15, 6	5.6	18
350	Quantitative Contrast-Enhanced Magnetic Resonance Lymphangiography of the Upper Limbs in Breast Cancer Related Lymphedema: An Exploratory Study. <i>Lymphatic Research and Biology</i> , <b>2015</b> , 13, 100-6	2.3	20
349	Acquired resistance to EGFR tyrosine kinase inhibitors alters the metabolism of human head and neck squamous carcinoma cells and xenograft tumours. <i>British Journal of Cancer</i> , <b>2015</b> , 112, 1206-14	8.7	19
348	Response evaluation in mesothelioma: Beyond RECIST. <i>Lung Cancer</i> , <b>2015</b> , 90, 433-41	5.9	20
347	Phase I study of nintedanib incorporating dynamic contrast-enhanced magnetic resonance imaging in patients with advanced solid tumors. <i>Oncologist</i> , <b>2015</b> , 20, 368-9	5.7	5
346	Evaluation of lactate detection using selective multiple quantum coherence in phantoms and brain tumours. <i>NMR in Biomedicine</i> , <b>2015</b> , 28, 338-43	4.4	6
345	Single-shot single-voxel lactate measurements using FOCI-LASER and a multiple-quantum filter. <i>NMR in Biomedicine</i> , <b>2015</b> , 28, 496-504	4.4	9
344	Multi-centre reproducibility of diffusion MRI parameters for clinical sequences in the brain. <i>NMR in Biomedicine</i> , <b>2015</b> , 28, 468-85	4.4	123
343	Evaluation of diffusion models in breast cancer. <i>Medical Physics</i> , <b>2015</b> , 42, 4833-9	4.4	15
342	Prospective, longitudinal, multi-modal functional imaging for radical chemo-IMRT treatment of locally advanced head and neck cancer: the INSIGHT study. <i>Radiation Oncology</i> , <b>2015</b> , 10, 112	4.2	14
341	High resolution 3D dosimetry for microbeam radiation therapy using optical CT. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 573, 012032	0.3	1
340	PRESAGE <sup>®</sup> as a new calibration method for high intensity focused ultrasound therapy. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 573, 012026	0.3	2
339	Use of the temporal median and trimmed mean mitigates effects of respiratory motion in multiple-acquisition abdominal diffusion imaging. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, N9-20	3.8	7
338	Acting on incidental findings in research imaging. <i>BMJ, The</i> , <b>2015</b> , 351, h5190	5.9	28

337	Magnetic resonance imaging improves breast screening sensitivity in BRCA mutation carriers age $\geq$ 50 years: evidence from an individual patient data meta-analysis. <i>Journal of Clinical Oncology</i> , <b>2015</b> , 33, 349-56	2.2	52
336	First MRI application of an active breathing coordinator. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 1681-968		9
335	Characterizing Heterogeneity within Head and Neck Lesions Using Cluster Analysis of Multi-Parametric MRI Data. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138545	3.7	6
334	Comparison of free-breathing with navigator-controlled acquisition regimes in abdominal diffusion-weighted magnetic resonance images: Effect on ADC and IVIM statistics. <i>Journal of Magnetic Resonance Imaging</i> , <b>2014</b> , 39, 235-40	5.6	55
333	MRI breast screening in high-risk women: cancer detection and survival analysis. <i>Breast Cancer Research and Treatment</i> , <b>2014</b> , 145, 663-72	4.4	105
332	Quantitative PET and SPECT performance characteristics of the Albira Trimodal pre-clinical tomograph. <i>Physics in Medicine and Biology</i> , <b>2014</b> , 59, 715-31	3.8	22
331	Comparison of three reference methods for the measurement of intracellular pH using $^{31}\text{P}$ MRS in healthy volunteers and patients with lymphoma. <i>NMR in Biomedicine</i> , <b>2014</b> , 27, 158-62	4.4	20
330	Clinical proton MR spectroscopy in central nervous system disorders. <i>Radiology</i> , <b>2014</b> , 270, 658-79	20.5	381
329	Improved intravoxel incoherent motion analysis of diffusion weighted imaging by data driven Bayesian modeling. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 71, 411-20	4.4	93
328	Assessment of treatment response by total tumor volume and global apparent diffusion coefficient using diffusion-weighted MRI in patients with metastatic bone disease: a feasibility study. <i>PLoS ONE</i> , <b>2014</b> , 9, e91779	3.7	87
327	Reduced Warburg effect in cancer cells undergoing autophagy: steady- state $^1\text{H}$ -MRS and real-time hyperpolarized $^{13}\text{C}$ -MRS studies. <i>PLoS ONE</i> , <b>2014</b> , 9, e92645	3.7	17
326	Investigating the influence of flip angle and k-space sampling on dynamic contrast-enhanced MRI breast examinations. <i>Academic Radiology</i> , <b>2014</b> , 21, 1394-401	4.3	7
325	Dichloroacetate induces autophagy in colorectal cancer cells and tumours. <i>British Journal of Cancer</i> , <b>2014</b> , 111, 375-85	8.7	52
324	Interrogating two schedules of the AKT inhibitor MK-2206 in patients with advanced solid tumors incorporating novel pharmacodynamic and functional imaging biomarkers. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 5672-85	12.9	61
323	Development of a hybrid magnetic resonance and ultrasound imaging system. <i>BioMed Research International</i> , <b>2014</b> , 2014, 914347	3	6
322	Lactate and choline metabolites detected in vitro by nuclear magnetic resonance spectroscopy are potential metabolic biomarkers for PI3K inhibition in pediatric glioblastoma. <i>PLoS ONE</i> , <b>2014</b> , 9, e103833	3.7	21
321	Breast dynamic contrast-enhanced examinations with fat suppression: are contrast-agent uptake curves affected by magnetic field inhomogeneity?. <i>European Radiology</i> , <b>2013</b> , 23, 1537-45	8	6
320	Critical research gaps and translational priorities for the successful prevention and treatment of breast cancer. <i>Breast Cancer Research</i> , <b>2013</b> , 15, R92	8.3	248

319	Acute tumour response to the MEK1/2 inhibitor selumetinib (AZD6244, ARRY-142886) evaluated by non-invasive diffusion-weighted MRI. <i>British Journal of Cancer</i> , <b>2013</b> , 109, 1562-9	8.7	21
318	Stacked autoencoders for unsupervised feature learning and multiple organ detection in a pilot study using 4D patient data. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2013</b> , 35, 1930-43	13.3	351
317	Measurement reproducibility of perfusion fraction and pseudodiffusion coefficient derived by intravoxel incoherent motion diffusion-weighted MR imaging in normal liver and metastases. <i>European Radiology</i> , <b>2013</b> , 23, 428-34	8	217
316	Noninvasive phosphorus magnetic resonance spectroscopic imaging predicts outcome to first-line chemotherapy in newly diagnosed patients with diffuse large B-cell lymphoma. <i>Academic Radiology</i> , <b>2013</b> , 20, 1122-9	4.3	7
315	Multi-Frame SPRITE: a method for resolution enhancement of multiple-point SPRITE data. <i>Journal of Magnetic Resonance</i> , <b>2013</b> , 230, 111-6	3	10
314	The role of pre-treatment diffusion-weighted MRI in predicting long-term outcome of colorectal liver metastasis. <i>British Journal of Radiology</i> , <b>2013</b> , 86, 20130281	3.4	28
313	First-in-human phase I trial of two schedules of OSI-930, a novel multikinase inhibitor, incorporating translational proof-of-mechanism studies. <i>Clinical Cancer Research</i> , <b>2013</b> , 19, 909-19	12.9	21
312	$^1\text{H}$ NMR and hyperpolarized $^{13}\text{C}$ NMR assays of pyruvate-lactate: a comparative study. <i>NMR in Biomedicine</i> , <b>2013</b> , 26, 1321-1325	4.4	22
311	Optimal age to start preventive measures in women with BRCA1/2 mutations or high familial breast cancer risk. <i>International Journal of Cancer</i> , <b>2013</b> , 133, 156-63	7.5	15
310	MEK1/2 inhibition decreases lactate in BRAF-driven human cancer cells. <i>Cancer Research</i> , <b>2013</b> , 73, 4039-49	11.1	33
309	Profiling metabolite changes in the neuronal differentiation of human striatal neural stem cells using $^1\text{H}$ -magnetic resonance spectroscopy. <i>NeuroReport</i> , <b>2013</b> , 24, 1035-40	1.7	6
308	Wireless Accelerometer for MRI-Guided Interventional Procedures. <i>Technologies</i> , <b>2013</b> , 1, 44-53	2.4	2
307	Model free approach to kinetic analysis of real-time hyperpolarized $^{13}\text{C}$ magnetic resonance spectroscopy data. <i>PLoS ONE</i> , <b>2013</b> , 8, e71996	3.7	116
306	An evaluation of motion compensation strategies and repeatability for abdominal $(^1\text{H})$ MR spectroscopy measurements in volunteer studies and clinical trials. <i>NMR in Biomedicine</i> , <b>2012</b> , 25, 859-65	4.4	9
305	Combination of chemical suppression techniques for dual suppression of fat and silicone at diffusion-weighted MR imaging in women with breast implants. <i>European Radiology</i> , <b>2012</b> , 22, 2648-53	8	13
304	Evaluation of distortion correction of diffusion-weighted MR images of human cervix <b>2012</b> ,		1
303	Assessment of colorectal hepatic metastases by quantitative T2 relaxation time. <i>European Journal of Radiology</i> , <b>2012</b> , 81, e536-40	4.7	5
302	Effects of HSP90 inhibitor 17-allylamino-17-demethoxygeldanamycin (17-AAG) on NEU/HER2 overexpressing mammary tumours in MMTV-NEU-NT mice monitored by Magnetic Resonance Spectroscopy. <i>BMC Research Notes</i> , <b>2012</b> , 5, 250	2.3	12



301	Functional imaging in adult and paediatric brain tumours. <i>Nature Reviews Clinical Oncology</i> , <b>2012</b> , 9, 700-14	19.4	50
300	Whole-body diffusion-weighted MRI: tips, tricks, and pitfalls. <i>American Journal of Roentgenology</i> , <b>2012</b> , 199, 252-62	5.4	130
299	Imaging vascular function for early stage clinical trials using dynamic contrast-enhanced magnetic resonance imaging. <i>European Radiology</i> , <b>2012</b> , 22, 1451-64	8	124
298	Phase I trial of combretastatin A4 phosphate (CA4P) in combination with bevacizumab in patients with advanced cancer. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 3428-39	12.9	141
297	Appearances of colorectal hepatic metastases at diffusion-weighted MRI compared with histopathology: initial observations. <i>British Journal of Radiology</i> , <b>2012</b> , 85, 225-30	3.4	15
296	Histone deacetylase inhibition increases levels of choline kinase and phosphocholine facilitating noninvasive imaging in human cancers. <i>Cancer Research</i> , <b>2012</b> , 72, 990-1000	10.1	22
295	Common breast cancer susceptibility variants in LSP1 and RAD51L1 are associated with mammographic density measures that predict breast cancer risk. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2012</b> , 21, 1156-66	4	92
294	Informatics in radiology: development of a research PACS for analysis of functional imaging data in clinical research and clinical trials. <i>Radiographics</i> , <b>2012</b> , 32, 2135-50	5.4	16
293	Neuroendocrine tumor liver metastases: use of dynamic contrast-enhanced MR imaging to monitor and predict radiolabeled octreotide therapy response. <i>Radiology</i> , <b>2012</b> , 263, 139-48	20.5	34
292	Advanced solid tumors treated with cediranib: comparison of dynamic contrast-enhanced MR imaging and CT as markers of vascular activity. <i>Radiology</i> , <b>2012</b> , 265, 426-36	20.5	45
291	Differences in natural history between breast cancers in BRCA1 and BRCA2 mutation carriers and effects of MRI screening-MRISC, MARIBS, and Canadian studies combined. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2012</b> , 21, 1458-68	4	72
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