

Jing Yuan

List of Publications by Year in descending order

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118
papers

2,678
citations

186265

28
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233421

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119
all docs

119
docs citations

119
times ranked

3232
citing authors

#	ARTICLE	IF	CITATIONS
1	Head and Neck Squamous Cell Carcinoma: Diagnostic Performance of Diffusion-weighted MR Imaging for the Prediction of Treatment Response. <i>Radiology</i> , 2013, 266, 531-538.	7.3	198
2	T1 ρ -MR Imaging Is Sensitive to Evaluate Liver Fibrosis: An Experimental Study in a Rat Biliary Duct Ligation Model. <i>Radiology</i> , 2011, 259, 712-719.	7.3	121
3	APT ρ -weighted and NOE ρ -weighted image contrasts in glioma with different RF saturation powers based on magnetization transfer ratio asymmetry analyses. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 320-327.	3.0	115
4	Liver intravoxel incoherent motion (IVIM) magnetic resonance imaging: a comprehensive review of published data on normal values and applications for fibrosis and tumor evaluation. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 59-78.	2.0	113
5	T1 ρ and T2 relaxation times for lumbar disc degeneration: an in vivo comparative study at 3.0-Tesla MRI. <i>European Radiology</i> , 2013, 23, 228-234.	4.5	76
6	Non-Gaussian Analysis of Diffusion Weighted Imaging in Head and Neck at 3T: A Pilot Study in Patients with Nasopharyngeal Carcinoma. <i>PLoS ONE</i> , 2014, 9, e87024.	2.5	72
7	Radiomics feature reliability assessed by intraclass correlation coefficient: a systematic review. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4431-4460.	2.0	66
8	Hollow superparamagnetic iron oxide nanoshells as a hydrophobic anticancer drug carrier: intracellular pH-dependent drug release and enhanced cytotoxicity. <i>Nanoscale</i> , 2012, 4, 5744.	5.6	65
9	T1 ρ -magnetic resonance: basic physics principles and applications in knee and intervertebral disc imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 858-85.	2.0	62
10	Towards fast and accurate temperature mapping with proton resonance frequency-based MR thermometry. <i>Quantitative Imaging in Medicine and Surgery</i> , 2012, 2, 21-32.	2.0	61
11	Amide proton transfer ρ -weighted imaging of the head and neck at 3 ρ T: a feasibility study on healthy human subjects and patients with head and neck cancer. <i>NMR in Biomedicine</i> , 2014, 27, 1239-1247.	2.8	57
12	MR T1 ρ as an imaging biomarker for monitoring liver injury progression and regression: an experimental study in rats with carbon tetrachloride intoxication. <i>European Radiology</i> , 2012, 22, 1709-1716.	4.5	56
13	CT and MR features of xanthogranulomatous cholecystitis: An analysis of consecutive 49 cases. <i>European Journal of Radiology</i> , 2013, 82, 1391-1397.	2.6	55
14	Tailored utilization of acquired k-space points for GRAPPA reconstruction. <i>Journal of Magnetic Resonance</i> , 2005, 174, 60-67.	2.1	52
15	Head and Neck Tumors: Amide Proton Transfer MRI. <i>Radiology</i> , 2018, 288, 782-790.	7.3	47
16	Liver T_2^* MRI measurement in healthy human subjects at 3 T: a preliminary study with a two-dimensional fast-field echo sequence. <i>British Journal of Radiology</i> , 2012, 85, e590-e595.	2.2	46
17	Accelerated exponential parameterization of T2 relaxation with model ρ -driven low rank and sparsity priors (MORASA). <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1865-1878.	3.0	43
18	Decreases in Molecular Diffusion, Perfusion Fraction and Perfusion-Related Diffusion in Fibrotic Livers: A Prospective Clinical Intravoxel Incoherent Motion MR Imaging Study. <i>PLoS ONE</i> , 2014, 9, e113846.	2.5	43

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19	Combining two-dimensional spatially selective RF excitation, parallel imaging, and UNFOLD for accelerated MR thermometry imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 112-122.	3.0	40
20	PANDA-T1: Integrating principal component analysis and dictionary learning for fast T1-mapping. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 263-272.	3.0	40
21	CT features of focal organizing pneumonia: An analysis of consecutive histopathologically confirmed 45 cases. <i>European Journal of Radiology</i> , 2014, 83, 73-78.	2.6	38
22	FGF21 Protects against Aggravated Blood-Brain Barrier Disruption after Ischemic Focal Stroke in Diabetic db/db Male Mice via Cerebrovascular PPAR β Activation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 824.	4.1	36
23	Distinguishing early-stage nasopharyngeal carcinoma from benign hyperplasia using intravoxel incoherent motion diffusion-weighted MRI. <i>European Radiology</i> , 2019, 29, 5627-5634.	4.5	35
24	Diffusion-Weighted Imaging of Nasopharyngeal Carcinoma: Can Pretreatment DWI Predict Local Failure Based on Long-Term Outcome?. <i>American Journal of Neuroradiology</i> , 2016, 37, 1706-1712.	2.4	34
25	Interconnecting L/C components for decoupling and its application to low-field open MRI array. <i>Concepts in Magnetic Resonance Part B</i> , 2007, 31B, 116-126.	0.7	31
26	Quantitative evaluation of dual-flip-angle T1 mapping on DCE-MRI kinetic parameter estimation in head and neck. <i>Quantitative Imaging in Medicine and Surgery</i> , 2012, 2, 245-53.	2.0	31
27	Evaluation of liver fibrosis with T1-MR imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 152-5.	2.0	31
28	Experimental Evaluation of Accelerated T1rho Relaxation Quantification in Human Liver Using Limited Spin-Lock Times. <i>Korean Journal of Radiology</i> , 2012, 13, 736.	3.4	30
29	Statistical assessment of bi-exponential diffusion weighted imaging signal characteristics induced by intravoxel incoherent motion in malignant breast tumors. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 418-429.	2.0	30
30	Age related reduction of T1rho and T2 magnetic resonance relaxation times of lumbar intervertebral disc. <i>Quantitative Imaging in Medicine and Surgery</i> , 2014, 4, 259-64.	2.0	30
31	Multipathway sequences for MR thermometry. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 658-668.	3.0	27
32	Optimized efficient liver T1rho mapping using limited spin lock times. <i>Physics in Medicine and Biology</i> , 2012, 57, 1631-1640.	3.0	27
33	Chemical Exchange Saturation Transfer (CEST) MR Technique for Liver Imaging at 3.0 Tesla: an Evaluation of Different Offset Number and an After-Meal and Over-Night-Fast Comparison. <i>Molecular Imaging and Biology</i> , 2016, 18, 274-282.	2.6	27
34	A realization of digital wireless transmission for MRI signals based on 802.11b. <i>Journal of Magnetic Resonance</i> , 2007, 186, 358-363.	2.1	26
35	MR chemical exchange imaging with spin-lock technique (CESL): a theoretical analysis of the Z-spectrum using a two-pool T1rho relaxation model beyond the fast-exchange limit. <i>Physics in Medicine and Biology</i> , 2012, 57, 8185-8200.	3.0	26
36	Annexin A2 is a Robo4 ligand that modulates ARF6 activation-associated cerebral trans-endothelial permeability. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2048-2060.	4.3	26

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37	Myocardial T_1 mapping of patients with end-stage renal disease and its comparison with T_1 mapping and T_2 mapping: A feasibility and reproducibility study. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 723-731.	3.4	25
38	Magnetic Resonance Fingerprinting with compressed sensing and distance metric learning. <i>Neurocomputing</i> , 2016, 174, 560-570.	5.9	24
39	Reliability of MRI radiomics features in MR-guided radiotherapy for prostate cancer: Repeatability, reproducibility, and within-subject agreement. <i>Medical Physics</i> , 2021, 48, 6976-6986.	3.0	23
40	Cramér-Rao bound for Intravoxel Incoherent Motion Diffusion Weighted Imaging fitting. , 2013, 2013, 511-4.		21
41	Combination Approaches to Attenuate Hemorrhagic Transformation After tPA Thrombolytic Therapy in Patients with Poststroke Hyperglycemia/Diabetes. <i>Advances in Pharmacology</i> , 2014, 71, 391-410.	2.0	21
42	DCE-MRI for Pre-Treatment Prediction and Post-Treatment Assessment of Treatment Response in Sites of Squamous Cell Carcinoma in the Head and Neck. <i>PLoS ONE</i> , 2015, 10, e0144770.	2.5	21
43	Magnetic resonance imaging for lung cancer screen. <i>Journal of Thoracic Disease</i> , 2014, 6, 1340-8.	1.4	21
44	Observation of bi-exponential T_1 relaxation of <i>in-vivo</i> rat muscles at 3T. <i>Acta Radiologica</i> , 2012, 53, 675-681.	1.1	20
45	Rapid Increase in Marrow Fat Content and Decrease in Marrow Perfusion in Lumbar Vertebra Following Bilateral Oophorectomy: An MR Imaging-Based Prospective Longitudinal Study. <i>Korean Journal of Radiology</i> , 2015, 16, 154.	3.4	19
46	Chemical exchange saturation transfer (CEST) MR technique for <i>in-vivo</i> liver imaging at 3.0 tesla. <i>European Radiology</i> , 2016, 26, 1792-1800.	4.5	19
47	Image quality assessment of a 1.5T dedicated magnetic resonance-simulator for radiotherapy with a flexible radio frequency coil setting using the standard American College of Radiology magnetic resonance imaging phantom test. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 205-214.	2.0	18
48	Pre-treatment intravoxel incoherent motion diffusion-weighted imaging predicts treatment outcome in nasopharyngeal carcinoma. <i>European Journal of Radiology</i> , 2020, 129, 109127.	2.6	18
49	Study of frequency dependent AC loss in Bi-2223 tapes used for gradient coils in magnetic resonance imaging. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 424, 72-78.	1.2	17
50	Reduced field-of-view single-shot fast spin echo imaging using two-dimensional spatially selective radiofrequency pulses. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 242-248.	3.4	17
51	A five-colour colour-coded mapping method for DCE-MRI analysis of head and neck tumours. <i>Clinical Radiology</i> , 2012, 67, 216-223.	1.1	17
52	Pre-treatment amide proton transfer imaging predicts treatment outcome in nasopharyngeal carcinoma. <i>European Radiology</i> , 2020, 30, 6339-6347.	4.5	17
53	A narrative review of MRI acquisition for MR-guided-radiotherapy in prostate cancer. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 1585-1607.	2.0	17
54	A fast volumetric 4D-MRI with sub-second frame rate for abdominal motion monitoring and characterization in MRI-guided radiotherapy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1303-1314.	2.0	16

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55	Quality factor of Bi(2223) high-temperature superconductor tape coils at radio frequency. <i>Superconductor Science and Technology</i> , 2004, 17, 333-336.	3.5	15
56	Quantification of T_1 relaxation by using rotary echo spin-lock pulses in the presence of B_0 inhomogeneity. <i>Physics in Medicine and Biology</i> , 2012, 57, 5003-5016.	3.0	15
57	SCOPE: signal compensation for low-rank plus sparse matrix decomposition for fast parameter mapping. <i>Physics in Medicine and Biology</i> , 2018, 63, 185009.	3.0	15
58	Quantitative assessment of acquisition imaging parameters on MRI radiomics features: a prospective anthropomorphic phantom study using a 3D-T2W-TSE sequence for MR-guided-radiotherapy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1870-1887.	2.0	15
59	Fast fat-suppressed reduced field-of-view temperature mapping using 2DRF excitation pulses. <i>Journal of Magnetic Resonance</i> , 2011, 210, 38-43.	2.1	14
60	Functional magnetic resonance imaging techniques and their development for radiation therapy planning and monitoring in the head and neck cancers. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 430-448.	2.0	14
61	Comparison of three approaches for defining nucleus pulposus and annulus fibrosus on sagittal magnetic resonance images of the lumbar spine. <i>Journal of Orthopaedic Translation</i> , 2016, 6, 34-41.	3.9	14
62	Isoflurane attenuates lipopolysaccharide-induced acute lung injury by inhibiting ROS-mediated NLRP3 inflammasome activation. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 2033-46.	0.0	14
63	A 4-Channel Coil Array Interconnection by Analog Direct Modulation Optical Link for 1.5-T MRI. <i>IEEE Transactions on Medical Imaging</i> , 2008, 27, 1432-1438.	8.9	13
64	MRF denoising with compressed sensing and adaptive filtering. , 2014, , .		13
65	Breath-hold black-blood T_1 mapping improves liver T_1 quantification in healthy volunteers. <i>Acta Radiologica</i> , 2018, 59, 257-265.	1.1	13
66	Amide proton transfer MRI detects early changes in nasopharyngeal carcinoma: providing a potential imaging marker for treatment response. <i>European Archives of Oto-Rhino-Laryngology</i> , 2019, 276, 505-512.	1.6	13
67	Accelerated T_1 relaxation quantification in intervertebral disc using limited spin-lock times. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013, 3, 54-8.	2.0	13
68	Diffusion-weighted imaging of nasopharyngeal carcinoma to predict distant metastases. <i>European Archives of Oto-Rhino-Laryngology</i> , 2017, 274, 1045-1051.	1.6	12
69	Longitudinal acquisition repeatability of MRI radiomics features: An ACR MRI phantom study on two MRI scanners using a 3D T1W TSE sequence. <i>Medical Physics</i> , 2021, 48, 1239-1249.	3.0	12
70	Further exploration of MRI techniques for liver T_1 quantification. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013, 3, 308-15.	2.0	12
71	1.5T Magnetic Resonance-Guided Stereotactic Body Radiotherapy for Localized Prostate Cancer: Preliminary Clinical Results of Clinician- and Patient-Reported Outcomes. <i>Cancers</i> , 2021, 13, 4866.	3.7	11
72	Fat-water selective excitation in balanced steady-state free precession using short spatial-spectral RF pulses. <i>Journal of Magnetic Resonance</i> , 2011, 208, 219-224.	2.1	10

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73	T1 ρ -relaxation time in brain regions increases with ageing: an experimental MRI observation in rats. British Journal of Radiology, 2016, 89, 20140704.	2.2	10
74	Effect of propofol combined with opioids on cough reflex suppression in gastroscopy: study protocol for a double-blind randomized controlled trial. BMJ Open, 2017, 7, e014881.	1.9	10
75	A direct modulated optical link for MRI RF receive coil interconnection. Journal of Magnetic Resonance, 2007, 189, 130-138.	2.1	8
76	Concatenated and parallel optimization for the estimation of T_1 map in FLASH MRI with multiple flip angles. Magnetic Resonance in Medicine, 2010, 63, 1431-1436.	3.0	8
77	Propofol Enhances Hemoglobin-Induced Cytotoxicity in Neurons. Anesthesia and Analgesia, 2016, 122, 1024-1030.	2.2	8
78	Evaluation of Glycosaminoglycan in the Lumbar Disc Using Chemical Exchange Saturation Transfer MR at 3.0 Tesla: Reproducibility and Correlation with Disc Degeneration. Biomedical and Environmental Sciences, 2016, 29, 47-55.	0.2	8
79	Spatially varying fat-water excitation using short 2DRF pulses. Magnetic Resonance in Medicine, 2010, 63, 1092-1097.	3.0	7
80	The Use of Dynamic Tracer Concentration in Veins for Quantitative DCE-MRI Kinetic Analysis in Head and Neck. PLoS ONE, 2013, 8, e59885.	2.5	7
81	Persistent viral activity, cytokine storm, and lung fibrosis in a case of severe COVID-19. Clinical and Translational Medicine, 2020, 10, e224.	4.0	7
82	Reliability of radiomics features due to image reconstruction using a standardized T_2 -weighted pulse sequence for MR-guided radiotherapy: An anthropomorphic phantom study. Magnetic Resonance in Medicine, 2021, 85, 3434-3446.	3.0	7
83	Absence of endogenous carnosine synthesis does not increase protein carbonylation and advanced lipoxidation end products in brain, kidney or muscle. Amino Acids, 2022, 54, 1013-1023.	2.7	7
84	Use of Bi-2223 multifilamentary tapes as RF coils for 1.5T MRI application. Physica C: Superconductivity and Its Applications, 2004, 415, 189-196.	1.2	6
85	Air pressure-induced susceptibility changes in vascular reactivity studies using BOLD MRI. Journal of Magnetic Resonance Imaging, 2013, 38, 976-980.	3.4	6
86	Acquisition repeatability of MRI radiomics features in the head and neck: a dual-3D-sequence multi-scan study. Visual Computing for Industry, Biomedicine, and Art, 2022, 5, 10.	3.7	6
87	Gradient coil design using Bi-2223 high temperature superconducting tape for magnetic resonance imaging. Medical Engineering and Physics, 2007, 29, 442-448.	1.7	5
88	Accuracy and uncertainty of asymmetric magnetization transfer ratio quantification for amide proton transfer (APT) imaging at 3T: A Monte Carlo study. , 2013, 2013, 5139-42.		5
89	Time-Efficient Myocardial Contrast Partition Coefficient Measurement from Early Enhancement with Magnetic Resonance Imaging. PLoS ONE, 2014, 9, e93124.	2.5	5
90	A pilot study of highly accelerated 3D MRI in the head and neck position verification for MR-guided radiotherapy. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1255-1269.	2.0	5

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91	Magnetic Resonance-Guided Radiation Therapy of Patients With Cardiovascular Implantable Electronic Device on a 1.5 T Magnetic Resonance-Linac. <i>Practical Radiation Oncology</i> , 2022, 12, e56-e61.	2.1	5
92	A Prospective Study of Stereotactic Body Radiotherapy (SBRT) with Concomitant Whole-Pelvic Radiotherapy (WPRT) for High-Risk Localized Prostate Cancer Patients Using 1.5 Tesla Magnetic Resonance Guidance: The Preliminary Clinical Outcome. <i>Cancers</i> , 2022, 14, 3484.	3.7	5
93	Bone marrow perfusion of proximal femur varied with BMD; A longitudinal study by DCE-MRI. , 2013, 2013, 2607-10.		4
94	Assessment of positional reproducibility in the head and neck on a 1.5-T MR simulator for an offline MR-guided radiotherapy solution. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 925-935.	2.0	4
95	A high monocyte-to-lymphocyte ratio predicts poor prognosis in patients with radical cystectomy for bladder cancer. <i>Translational Cancer Research</i> , 2020, 9, 5255-5267.	1.0	4
96	Heuristic linear mapping of physiological parameters in dynamic contrast-enhanced MRI without T_1 measurement and contrast agent concentration. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 916-925.	3.4	3
97	Study of magnetization evolution by using composite spin-lock pulses for T_1 imaging. , 2012, 2012, 408-11.		3
98	Intrasession and Intersession Repeatability of Diffusion Tensor Imaging in Healthy Human Liver. <i>Journal of Computer Assisted Tomography</i> , 2017, 41, 578-585.	0.9	3
99	3D T2Wâ€SE radiotherapy treatment planning MRI using compressed sensing acceleration for prostate cancer: Image quality and delineation value. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2022, , .	1.1	3
100	Effect of tuning capacitor placement on mutual coupling for MRI array coils. <i>Concepts in Magnetic Resonance Part B</i> , 2006, 29B, 50-54.	0.7	2
101	Fat-water separation in dynamic objects using an UNFOLD-like temporal processing. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 962-970.	3.4	2
102	Multiresolution MRI temperature monitoring in a reduced field of view. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1205-1214.	1.8	2
103	Analysis of online plan adaptation for 1.5T magnetic resonance-guided stereotactic body radiotherapy (MRgSBRT) of prostate cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2023, 149, 841-850.	2.5	2
104	Investigation of Bi-2223 high temperature superconducting tape as the material for gradient coil in MRI. <i>Journal of Magnetic Resonance</i> , 2006, 182, 298-307.	2.1	1
105	Perfusion and bone mineral density as function of vertebral level at lumbar spine. , 2012, 2012, 3488-91.		1
106	On the least-square estimation of parameters for statistical diffusion weighted imaging model. , 2013, 2013, 4406-9.		1
107	BOLD effect on calf muscle groups in elderly females with different bone mineral density. , 2014, 2014, 5607-10.		1
108	Improving intra-voxel incoherent motion MRI quantification using wild bootstrap. , 2014, , .		1

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109	Improved quantification of chemical exchange saturation transfer (CEST) MRI using nonlocal means. , 2014, , .		1
110	Evaluation and Minimization of the Pseudohepatic Anisotropy Artifact in Liver Intravoxel Incoherent Motion. Journal of Computer Assisted Tomography, 2017, 41, 679-687.	0.9	1
111	3D T1-weighted turbo spin echo contrast-enhanced MRI at 1.5ÂT for frameless brain metastases radiotherapy. Journal of Cancer Research and Clinical Oncology, 2022, 148, 1749-1759.	2.5	1
112	Assessment of planning target volume margins in 1.5ÂT magnetic resonanceâ€­guided stereotactic body radiation therapy for localized prostate cancer. Precision Radiation Oncology, 2022, 6, 127-135.	1.1	1
113	INVESTIGATION OF THE DEGRADATION MECHANISM OF FIELD-EMITTER ARRAYS. Surface Review and Letters, 2001, 08, 699-702.	1.1	0
114	TO THE EDITOR. Spine, 2013, 38, 201.	2.0	0
115	Editorial for â€œIrregularity of Carotid Plaque Surface Predicts Subsequent Vascular Event: An MRI Studyâ€­. Journal of Magnetic Resonance Imaging, 2020, 52, 195-196.	3.4	0
116	Editorial for â€œMultiâ€­site concordance of diffusion weighted imaging quantification for assessing prostate cancer aggressivenessâ€­. Journal of Magnetic Resonance Imaging, 2022, 55, 1759-1760.	3.4	0
117	Phantom assessment of three-dimensional geometric distortion of a dedicated wide-bore MR-simulator for radiotherapy. Biomedical Physics and Engineering Express, 2022, 8, 025003.	1.2	0
118	A pilot study of respiratory motion characterization in the abdomen using a fast volumetric 4Dâ€­MRI for MRâ€­guided radiotherapy. Precision Radiation Oncology, 0, , .	1.1	0