Jing Yuan

List of Publications by Year in descending order

118 papers	2,678 citations	186265 28 h-index	233421 45 g-index
119 all docs	119 docs citations	119 times ranked	3232 citing authors

#	Article	IF	Citations
1	Analysis of online plan adaptation for 1.5T magnetic resonance-guided stereotactic body radiotherapy (MRgSBRT) of prostate cancer. Journal of Cancer Research and Clinical Oncology, 2023, 149, 841-850.	2.5	2
2	A narrative review of MRI acquisition for MR-guided-radiotherapy in prostate cancer. Quantitative Imaging in Medicine and Surgery, 2022, 12, 1585-1607.	2.0	17
3	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
4	Magnetic Resonance-Guided Radiation Therapy of Patients With Cardiovascular Implantable Electronic Device on a 1.5 T Magnetic Resonance-Linac. Practical Radiation Oncology, 2022, 12, e56-e61.	2.1	5
5	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
6	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
7	3Dâ€T2Wâ€TSE radiotherapy treatment planning MRI using compressed sensing acceleration for prostate cancer: Image quality and delineation value. Asia-Pacific Journal of Clinical Oncology, 2022, , .	1.1	3
8	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
9	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
10	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
11	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. Cancers, 2022, 14, 3484.	3.7	5
12	Reliability of radiomics features due to image reconstruction using a standardized T₂â€weighted pulse sequence for MRâ€guided radiotherapy: An anthropomorphic phantom study. Magnetic Resonance in Medicine, 2021, 85, 3434-3446.	3.0	7
13	Longitudinal acquisition repeatability of MRI radiomics features: An ACR MRI phantom study on two MRI scanners using a 3D T1W TSE sequence. Medical Physics, 2021, 48, 1239-1249.	3.0	12
14	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. Quantitative Imaging in Medicine and Surgery, 2021, 11, 1870-1887.	2.0	15
15	Reliability of MRI radiomics features in MRâ€guided radiotherapy for prostate cancer: Repeatability, reproducibility, and withinâ€subject agreement. Medical Physics, 2021, 48, 6976-6986.	3.0	23
16	1.5T Magnetic Resonance-Guided Stereotactic Body Radiotherapy for Localized Prostate Cancer: Preliminary Clinical Results of Clinician- and Patient-Reported Outcomes. Cancers, 2021, 13, 4866.	3.7	11
17	Radiomics feature reliability assessed by intraclass correlation coefficient: a systematic review. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4431-4460.	2.0	66
18	Persistent viral activity, cytokine storm, and lung fibrosis in a case of severe COVIDâ€19. Clinical and Translational Medicine, 2020, 10, e224.	4.0	7

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19	Pre-treatment intravoxel incoherent motion diffusion-weighted imaging predicts treatment outcome in nasopharyngeal carcinoma. European Journal of Radiology, 2020, 129, 109127.	2.6	18
20	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
21	Pre-treatment amide proton transfer imaging predicts treatment outcome in nasopharyngeal carcinoma. European Radiology, 2020, 30, 6339-6347.	4.5	17
22	FGF21 Protects against Aggravated Blood-Brain Barrier Disruption after Ischemic Focal Stroke in Diabetic db/db Male Mice via Cerebrovascular PPARÎ³ Activation. International Journal of Molecular Sciences, 2020, 21, 824.	4.1	36
23	A high monocyte-to-lymphocyte ratio predicts poor prognosis in patients with radical cystectomy for bladder cancer. Translational Cancer Research, 2020, 9, 5255-5267.	1.0	4
24	Annexin A2 is a Robo4 ligand that modulates ARF6 activation-associated cerebral trans-endothelial permeability. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2048-2060.	4.3	26
25	A fast volumetric 4D-MRI with sub-second frame rate for abdominal motion monitoring and characterization in MRI-guided radiotherapy. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1303-1314.	2.0	16
26	Distinguishing early-stage nasopharyngeal carcinoma from benign hyperplasia using intravoxel incoherent motion diffusion-weighted MRI. European Radiology, 2019, 29, 5627-5634.	4.5	35
27	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
28	Amide proton transfer MRI detects early changes in nasopharyngeal carcinoma: providing a potential imaging marker for treatment response. European Archives of Oto-Rhino-Laryngology, 2019, 276, 505-512.	1.6	13
29	Breath-hold black-blood T1rho mapping improves liver T1rho quantification in healthy volunteers. Acta Radiologica, 2018, 59, 257-265.	1.1	13
30	Assessment of positional reproducibility in the head and neck on a 1.5-T MR simulator for an offline MR-guided radiotherapy solution. Quantitative Imaging in Medicine and Surgery, 2018, 8, 925-935.	2.0	4
31	SCOPE: signal compensation for low-rank plus sparse matrix decomposition for fast parameter mapping. Physics in Medicine and Biology, 2018, 63, 185009.	3.0	15
32	Head and Neck Tumors: Amide Proton Transfer MRI. Radiology, 2018, 288, 782-790.	7.3	47
33	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
34	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
35	Intrasession and Intersession Repeatability of Diffusion Tensor Imaging in Healthy Human Liver. Journal of Computer Assisted Tomography, 2017, 41, 578-585.	0.9	3
36	Diffusion-weighted imaging of nasopharyngeal carcinoma to predict distant metastases. European Archives of Oto-Rhino-Laryngology, 2017, 274, 1045-1051.	1.6	12

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37	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. Quantitative Imaging in Medicine and Surgery, 2017, 7, 205-214.	2.0	18
38	Liver intravoxel incoherent motion (IVIM) magnetic resonance imaging: a comprehensive review of published data on normal values and applications for fibrosis and tumor evaluation. Quantitative Imaging in Medicine and Surgery, 2017, 7, 59-78.	2.0	113
39	Functional magnetic resonance imaging techniques and their development for radiation therapy planning and monitoring in the head and neck cancers. Quantitative Imaging in Medicine and Surgery, 2016, 6, 430-448.	2.0	14
40	Statistical assessment of bi-exponential diffusion weighted imaging signal characteristics induced by intravoxel incoherent motion in malignant breast tumors. Quantitative Imaging in Medicine and Surgery, 2016, 6, 418-429.	2.0	30
41	Propofol Enhances Hemoglobin-Induced Cytotoxicity in Neurons. Anesthesia and Analgesia, 2016, 122, 1024-1030.	2.2	8
42	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. Molecular Imaging and Biology, 2016, 18, 274-282.	2.6	27
43	T1Ï•relaxation time in brain regions increases with ageing: an experimental MRI observation in rats. British Journal of Radiology, 2016, 89, 20140704.	2.2	10
44	Comparison of three approaches for definingÂnucleus pulposus and annulus fibrosus on sagittal magnetic resonance images of the lumbar spine. Journal of Orthopaedic Translation, 2016, 6, 34-41.	3.9	14
45	Diffusion-Weighted Imaging of Nasopharyngeal Carcinoma: Can Pretreatment DWI Predict Local Failure Based on Long-Term Outcome?. American Journal of Neuroradiology, 2016, 37, 1706-1712.	2.4	34
46	Myocardial T₁rho mapping of patients with endâ€stage renal disease and its comparison with T₁ mapping and T₂ mapping: A feasibility and reproducibility study. Journal of Magnetic Resonance Imaging, 2016, 44, 723-731.	3.4	25
47	Accelerated exponential parameterization of T2 relaxation with modelâ€driven low rank and sparsity priors (MORASA). Magnetic Resonance in Medicine, 2016, 76, 1865-1878.	3.0	43
48	Magnetic Resonance Fingerprinting with compressed sensing and distance metric learning. Neurocomputing, 2016, 174, 560-570.	5.9	24
49	Chemical exchange saturation transfer (CEST) MR technique for in-vivo liver imaging at 3.0 tesla. European Radiology, 2016, 26, 1792-1800.	4.5	19
50	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
51	Isoflurane attenuates lipopolysaccharide-induced acute lung injury by inhibiting ROS-mediated NLRP3 inflammasome activation. American Journal of Translational Research (discontinued), 2016, 8, 2033-46.	0.0	14
52	Rapid Increase in Marrow Fat Content and Decrease in Marrow Perfusion in Lumbar Vertebra Following Bilateral Oophorectomy: An MR Imaging-Based Prospective Longitudinal Study. Korean Journal of Radiology, 2015, 16, 154.	3.4	19
53	DCE-MRI for Pre-Treatment Prediction and Post-Treatment Assessment of Treatment Response in Sites of Squamous Cell Carcinoma in the Head and Neck. PLoS ONE, 2015, 10, e0144770.	2.5	21
54	PANDAâ€T1Ï• Integrating principal component analysis and dictionary learning for fast T1Ï•mapping. Magnetic Resonance in Medicine, 2015, 73, 263-272.	3.0	40

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55	T1Ï•magnetic resonance: basic physics principles and applications in knee and intervertebral disc imaging. Quantitative Imaging in Medicine and Surgery, 2015, 5, 858-85.	2.0	62
56	Non-Gaussian Analysis of Diffusion Weighted Imaging in Head and Neck at 3T: A Pilot Study in Patients with Nasopharyngeal Carcinoma. PLoS ONE, 2014, 9, e87024.	2.5	72
57	Time-Efficient Myocardial Contrast Partition Coefficient Measurement from Early Enhancement with Magnetic Resonance Imaging. PLoS ONE, 2014, 9, e93124.	2.5	5
58	MRF denoising with compressed sensing and adaptive filtering. , 2014, , .		13
59	BOLD effect on calf muscle groups in elderly females with different bone mineral density. , 2014, 2014, 5607-10.		1
60	Amide proton transferâ€weighted imaging of the head and neck at 3â€‰T: a feasibility study on healthy human subjects and patients with head and neck cancer. NMR in Biomedicine, 2014, 27, 1239-1247.	2.8	57
61	Combination Approaches to Attenuate Hemorrhagic Transformation After tPA Thrombolytic Therapy in Patients with Poststroke Hyperglycemia/Diabetes. Advances in Pharmacology, 2014, 71, 391-410.	2.0	21
62	Improving intra-voxel incoherent motion MRI quantification using wild bootstrap. , 2014, , .		1
63	CT features of focal organizing pneumonia: An analysis of consecutive histopathologically confirmed 45 cases. European Journal of Radiology, 2014, 83, 73-78.	2.6	38
64	Improved quantification of chemical exchange saturation transfer (CEST) MRI using nonlocal means. , 2014, , .		1
65	Decreases in Molecular Diffusion, Perfusion Fraction and Perfusion-Related Diffusion in Fibrotic Livers: A Prospective Clinical Intravoxel Incoherent Motion MR Imaging Study. PLoS ONE, 2014, 9, e113846.	2.5	43
66	Magnetic resonance imaging for lung cancer screen. Journal of Thoracic Disease, 2014, 6, 1340-8.	1.4	21
67	Evaluation of liver fibrosis with T1Ï•MR imaging. Quantitative Imaging in Medicine and Surgery, 2014, 4, 152-5.	2.0	31
68	Age related reduction of T1rho and T2 magnetic resonance relaxation times of lumbar intervertebral disc. Quantitative Imaging in Medicine and Surgery, 2014, 4, 259-64.	2.0	30
69	CT and MR features of xanthogranulomatous cholecystitis: An analysis of consecutive 49 cases. European Journal of Radiology, 2013, 82, 1391-1397.	2.6	55
70	T1rho and T2 relaxation times for lumbar disc degeneration: an in vivo comparative study at 3.0-Tesla MRI. European Radiology, 2013, 23, 228-234.	4.5	76
71	Head and Neck Squamous Cell Carcinoma: Diagnostic Performance of Diffusion-weighted MR Imaging for the Prediction of Treatment Response. Radiology, 2013, 266, 531-538.	7.3	198
72	Air pressureâ€induced susceptibility changes in vascular reactivity studies using BOLD MRI. Journal of Magnetic Resonance Imaging, 2013, 38, 976-980.	3.4	6

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73	On the least-square estimation of parameters for statistical diffusion weighted imaging model. , 2013, 2013, 4406-9.		1
74	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
75	Cramér-Rao bound for Intravoxel Incoherent Motion Diffusion Weighted Imaging fitting. , 2013, 2013, 511-4.		21
76	Bone marrow perfusion of proximal femur varied with BMD—A longitudinal study by DCE-MRI. , 2013, 2013, 2607-10.		4
77	TO THE EDITOR. Spine, 2013, 38, 201.	2.0	0
78	APTâ€weighted and NOEâ€weighted image contrasts in glioma with different RF saturation powers based on magnetization transfer ratio asymmetry analyses. Magnetic Resonance in Medicine, 2013, 70, 320-327.	3.0	115
79	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
80	Accelerated T1rho relaxation quantification in intervertebral disc using limited spin-lock times. Quantitative Imaging in Medicine and Surgery, 2013, 3, 54-8.	2.0	13
81	Further exploration of MRI techniques for liver T1rho quantification. Quantitative Imaging in Medicine and Surgery, 2013, 3, 308-15.	2.0	12
82	MR chemical exchange imaging with spin-lock technique (CESL): a theoretical analysis of the Z-spectrum using a two-poolR_{1Ï}relaxation model beyond the fast-exchange limit. Physics in Medicine and Biology, 2012, 57, 8185-8200.	3.0	26
83	Perfusion and bone mineral density as function of vertebral level at lumbar spine. , 2012, 2012, 3488-91.		1
84	Observation of bi-exponential T_{1Ï} relaxation of in-vivo rat muscles at 3T. Acta Radiologica, 2012, 53, 675-681.	1.1	20
85	Quantification ofT_{1Ï}relaxation by using rotary echo spin-lock pulses in the presence ofB₀inhomogeneity. Physics in Medicine and Biology, 2012, 57, 5003-5016.	3.0	15
86	Optimized efficient liverT_{1Ï}mapping using limited spin lock times. Physics in Medicine and Biology, 2012, 57, 1631-1640.	3.0	27
87	LiverT₁ÏMRI measurement in healthy human subjects at 3 T: a preliminary study with a two-dimensional fast-field echo sequence. British Journal of Radiology, 2012, 85, e590-e595.	2.2	46
88	Heuristic linear mapping of physiological parameters in dynamic contrastâ€enhanced MRI without T₁ measurement and contrast agent concentration. Journal of Magnetic Resonance Imaging, 2012, 35, 916-925.	3.4	3
89	Hollow superparamagnetic iron oxide nanoshells as a hydrophobic anticancer drug carrier: intracelluar pH-dependent drug release and enhanced cytotoxicity. Nanoscale, 2012, 4, 5744.	5.6	65
90	Study of magnetization evolution by using composite spin-lock pulses for T<inf>1ρ</inf> imaging. , 2012, 2012, 408-11.		3

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91	A five-colour colour-coded mapping method for DCE-MRI analysis of head and neck tumours. Clinical Radiology, 2012, 67, 216-223.	1.1	17
92	Experimental Evaluation of Accelerated T1rho Relaxation Quantification in Human Liver Using Limited Spin-Lock Times. Korean Journal of Radiology, 2012, 13, 736.	3.4	30
93	MR T1Ï•as an imaging biomarker for monitoring liver injury progression and regression: an experimental study in rats with carbon tetrachloride intoxication. European Radiology, 2012, 22, 1709-1716.	4.5	56
94	Towards fast and accurate temperature mapping with proton resonance frequency-based MR thermometry. Quantitative Imaging in Medicine and Surgery, 2012, 2, 21-32.	2.0	61
95	Quantitative evaluation of dual-flip-angle T1 mapping on DCE-MRI kinetic parameter estimation in head and neck. Quantitative Imaging in Medicine and Surgery, 2012, 2, 245-53.	2.0	31
96	Multiresolution MRI temperature monitoring in a reduced field of view. Magnetic Resonance Imaging, 2011, 29, 1205-1214.	1.8	2
97	Fatâ€“water selective excitation in balanced steady-state free precession using short spatialâ€“spectral RF pulses. Journal of Magnetic Resonance, 2011, 208, 219-224.	2.1	10
98	Combining twoâ€dimensional spatially selective RF excitation, parallel imaging, and UNFOLD for accelerated MR thermometry imaging. Magnetic Resonance in Medicine, 2011, 66, 112-122.	3.0	40
99	Multipathway sequences for MR thermometry. Magnetic Resonance in Medicine, 2011, 66, 658-668.	3.0	27
100	Fast fat-suppressed reduced field-of-view temperature mapping using 2DRF excitation pulses. Journal of Magnetic Resonance, 2011, 210, 38-43.	2.1	14
101	T1Ï•MR Imaging Is Sensitive to Evaluate Liver Fibrosis: An Experimental Study in a Rat Biliary Duct Ligation Model. Radiology, 2011, 259, 712-719.	7.3	121
102	Reduced fieldâ€ofâ€view singleâ€shot fast spin echo imaging using twoâ€dimensional spatially selective radiofrequency pulses. Journal of Magnetic Resonance Imaging, 2010, 32, 242-248.	3.4	17
103	Fatâ€water separation in dynamic objects using an UNFOLDâ€like temporal processing. Journal of Magnetic Resonance Imaging, 2010, 32, 962-970.	3.4	2
104	Spatially varying fat-water excitation using short 2DRF pulses. Magnetic Resonance in Medicine, 2010, 63, 1092-1097.	3.0	7
105	Concatenated and parallel optimization for the estimation of T₁ map in FLASH MRI with multiple flip angles. Magnetic Resonance in Medicine, 2010, 63, 1431-1436.	3.0	8
106	A 4-Channel Coil Array Interconnection by Analog Direct Modulation Optical Link for 1.5-T MRI. IEEE Transactions on Medical Imaging, 2008, 27, 1432-1438.	8.9	13
107	InterconnectingL/C components for decoupling and its application to low-field open MRI array. Concepts in Magnetic Resonance Part B, 2007, 31B, 116-126.	0.7	31
108	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

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109	A realization of digital wireless transmission for MRI signals based on 802.11b. Journal of Magnetic Resonance, 2007, 186, 358-363.	2.1	26
110	A direct modulated optical link for MRI RF receive coil interconnection. Journal of Magnetic Resonance, 2007, 189, 130-138.	2.1	8
111	Investigation of Bi-2223 high temperature superconducting tape as the material for gradient coil in MRI. Journal of Magnetic Resonance, 2006, 182, 298-307.	2.1	1
112	Effect of tuning capacitor placement on mutual coupling for MRI array coils. Concepts in Magnetic Resonance Part B, 2006, 29B, 50-54.	0.7	2
113	Tailored utilization of acquired k-space points for GRAPPA reconstruction. Journal of Magnetic Resonance, 2005, 174, 60-67.	2.1	52
114	Study of frequency dependent AC loss in Bi-2223 tapes used for gradient coils in magnetic resonance imaging. Physica C: Superconductivity and Its Applications, 2005, 424, 72-78.	1.2	17
115	Quality factor of Bi(2223) high-temperature superconductor tape coils at radio frequency. Superconductor Science and Technology, 2004, 17, 333-336.	3.5	15
116	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
117	INVESTIGATION OF THE DEGRADATION MECHANISM OF FIELD-EMITTER ARRAYS. Surface Review and Letters, 2001, 08, 699-702.	1.1	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