

Jiani Hu

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

2,985
citations

218677

26
h-index

206112

48
g-index

111
all docs

111
docs citations

111
times ranked

4906
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of the parenchymal vascular system in cerebrospinal fluid tracer clearance. <i>European Radiology</i> , 2023, 33, 656-665.	4.5	4
2	Robustness and reproducibility of radiomics in T2 weighted images from magnetic resonance image guided linear accelerator in a phantom study. <i>Physica Medica</i> , 2022, 96, 130-139.	0.7	7
3	A mathematical model for predicting intracranial pressure based on noninvasively acquired PC-MRI parameters in communicating hydrocephalus. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 1325-1332.	1.6	2
4	Myocardial extracellular volume fraction radiomics analysis for differentiation of reversible versus irreversible myocardial damage and prediction of left ventricular adverse remodeling after ST-elevation myocardial infarction. <i>European Radiology</i> , 2021, 31, 504-514.	4.5	17
5	Noninvasive evaluation of early diabetic nephropathy using diffusion kurtosis imaging: an experimental study. <i>European Radiology</i> , 2021, 31, 2281-2288.	4.5	13
6	Diagnostic Utility of the Simplified Perfusion Fraction for Identifying Myocardial Injury in Patients With Reperfused ST-segment Elevation Myocardial Infarction. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 516-526.	3.4	0
7	Texture Analysis of Native T1 Images as a Novel Method for Noninvasive Assessment of Uremic Cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 290-300.	3.4	4
8	Early cardiac involvement in patients with acute COVID-19 infection identified by multiparametric cardiovascular magnetic resonance imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 844-851.	1.2	29
9	Fangchinoline exerts anticancer effects on colorectal cancer by inducing autophagy via regulation AMPK/mTOR/ULK1 pathway. <i>Biochemical Pharmacology</i> , 2021, 186, 114475.	4.4	16
10	Application of contrast-enhanced CT radiomics in prediction of early recurrence of locally advanced oesophageal squamous cell carcinoma after trimodal therapy. <i>Cancer Imaging</i> , 2021, 21, 38.	2.8	17
11	All Central Nervous System Neuro- and Vascular-Communication Channels Are Surrounded With Cerebrospinal Fluid. <i>Frontiers in Neurology</i> , 2021, 12, 614636.	2.4	7
12	Waste Clearance in the Brain. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 665803.	1.7	32
13	Detecting sub-voxel microvasculature with USPIO-enhanced susceptibility-weighted MRI at 7T. <i>Magnetic Resonance Imaging</i> , 2020, 67, 90-100.	1.8	13
14	A radiomics model of liver CT to predict risk of hepatic encephalopathy secondary to hepatitis B related cirrhosis. <i>European Journal of Radiology</i> , 2020, 130, 109201.	2.6	5
15	The feasibility of differentiating colorectal cancer from normal and inflammatory thickening colon wall using CT texture analysis. <i>Scientific Reports</i> , 2020, 10, 6346.	3.3	7
16	A single-center, retrospective study of COVID-19 features in children: a descriptive investigation. <i>BMC Medicine</i> , 2020, 18, 123.	5.5	101
17	Magnetic Resonance Imaging and Modeling of the Glymphatic System. <i>Diagnostics</i> , 2020, 10, 344.	2.6	21
18	Subvoxel vascular imaging of the midbrain using USPIO-Enhanced MRI. <i>NeuroImage</i> , 2020, 220, 117106.	4.2	17

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19	A new index for assessing cerebral ventricular volume in idiopathic normal-pressure hydrocephalus: a comparison with Evans's™ index. <i>Neuroradiology</i> , 2020, 62, 661-667.	2.2	21
20	The capability of detecting small vessels beyond the conventional MRI sensitivity using iron-based contrast agent enhanced susceptibility weighted imaging. <i>NMR in Biomedicine</i> , 2020, 33, e4256.	2.8	9
21	Histogram Analysis of Native T ₁ Mapping and Its Relationship to Left Ventricular Late Gadolinium Enhancement, Hypertrophy, and Segmental Myocardial Mechanics in Patients With Hypertrophic Cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 668-677.	3.4	6
22	BOLD cardiac MRI for differentiating reversible and irreversible myocardial damage in ST segment elevation myocardial infarction. <i>European Radiology</i> , 2019, 29, 951-962.	4.5	5
23	Non-contrast MRI for breast screening: preliminary study on detectability of benign and malignant lesions in women with dense breasts. <i>Breast Cancer Research and Treatment</i> , 2019, 177, 629-639.	2.5	16
24	CT radiomic features for predicting resectability of oesophageal squamous cell carcinoma as given by feature analysis: a case control study. <i>Cancer Imaging</i> , 2019, 19, 66.	2.8	26
25	EGFL9 promotes breast cancer metastasis by inducing cMET activation and metabolic reprogramming. <i>Nature Communications</i> , 2019, 10, 5033.	12.8	42
26	Ablation of the microRNA-17-92 cluster in neural stem cells diminishes adult hippocampal neurogenesis and cognitive function. <i>FASEB Journal</i> , 2019, 33, 5257-5267.	0.5	36
27	Connectome-Based Biomarkers Predict Subclinical Depression and Identify Abnormal Brain Connections With the Lateral Habenula and Thalamus. <i>Frontiers in Psychiatry</i> , 2019, 10, 371.	2.6	43
28	Whole-tumour histogram analysis of pharmacokinetic parameters from dynamic contrast-enhanced MRI in resectable oesophageal squamous cell carcinoma can predict T-stage and regional lymph node metastasis. <i>European Journal of Radiology</i> , 2019, 112, 112-120.	2.6	13
29	Myocardial fibrosis evaluated by diffusion-weighted imaging and its relationship to 3D contractile function in patients with hypertrophic cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1139-1146.	3.4	14
30	The apparent diffusion coefficient is strongly correlated with extracellular volume, a measure of myocardial fibrosis, and subclinical cardiomyopathy in patients with systemic lupus erythematosus. <i>Acta Radiologica</i> , 2018, 59, 287-295.	1.1	8
31	Susceptibility weighted imaging and quantitative susceptibility mapping of the cerebral vasculature using ferumoxytol. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 621-633.	3.4	27
32	Diffusion-weighted imaging in relation to morphology on dynamic contrast enhancement MRI: the diagnostic value of characterizing non-puerperal mastitis. <i>European Radiology</i> , 2018, 28, 992-999.	4.5	16
33	Glutamate is down-regulated and tinnitus loudness-levels decreased following rTMS over auditory cortex of the left hemisphere: A prospective randomized single-blinded sham-controlled cross-over study. <i>Hearing Research</i> , 2018, 358, 59-73.	2.0	20
34	An interleaved sequence for simultaneous magnetic resonance angiography (MRA), susceptibility weighted imaging (SWI) and quantitative susceptibility mapping (QSM). <i>Magnetic Resonance Imaging</i> , 2018, 47, 1-6.	1.8	23
35	Quantification of liver iron concentration using the apparent susceptibility of hepatic vessels. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 123-134.	2.0	17
36	CDCA5 overexpression is an Indicator of poor prognosis in patients with hepatocellular carcinoma (HCC). <i>BMC Cancer</i> , 2018, 18, 1187.	2.6	29

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37	<sc>IL</sc>â€6 Triggers the Migration and Invasion of Oestrogen Receptorâ€Negative Breast Cancer Cells via Regulation of Hippo Pathways. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 123, 549-557.	2.5	12
38	Oxygenationâ€sensitive cardiovascular magnetic resonance in hypertensive heart disease with left ventricular myocardial hypertrophy and nonâ€left ventricular myocardial hypertrophy: Insight from altered mechanics and cardiac BOLD imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1297-1306.	3.4	3
39	Diagnostic performance of intravoxel incoherent motion diffusionâ€weighted imaging in the assessment of the dynamic status of myocardial perfusion. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1602-1609.	3.4	14
40	T2* mapping combined with conventional T2-weighted image for prostate cancer detection at 3.0T MRI: a multi-observer study. <i>Acta Radiologica</i> , 2017, 58, 114-120.	1.1	9
41	Susceptibilityâ€weighted imaging: current status and future directions. <i>NMR in Biomedicine</i> , 2017, 30, e3552.	2.8	121
42	Identification of miRNomes associated with adult neurogenesis after stroke using Argonaute 2-based RNA sequencing. <i>RNA Biology</i> , 2017, 14, 488-499.	3.1	30
43	Determination of detection sensitivity for cerebral microbleeds using susceptibilityâ€weighted imaging. <i>NMR in Biomedicine</i> , 2017, 30, e3551.	2.8	25
44	Enzyme-Sensitive and Amphiphilic PEGylated Dendrimer-Paclitaxel Prodrug-Based Nanoparticles for Enhanced Stability and Anticancer Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6865-6877.	8.0	148
45	Enzyme-responsive peptide dendrimer-gemcitabine conjugate as a controlled-release drug delivery vehicle with enhanced antitumor efficacy. <i>Acta Biomaterialia</i> , 2017, 55, 153-162.	8.3	127
46	Clinical and metabolic correlates of cerebral calcifications in Sturgeâ€Weber syndrome. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 952-958.	2.1	23
47	Fibrosis quantification in Hypertensive Heart Disease with LVH and Non-LVH: Findings from T1 mapping and Contrast-free Cardiac Diffusion-weighted imaging. <i>Scientific Reports</i> , 2017, 7, 559.	3.3	18
48	MicroRNA-146a Mimics Reduce the Peripheral Neuropathy in Type 2 Diabetic Mice. <i>Diabetes</i> , 2017, 66, 3111-3121.	0.6	110
49	Comparison of chemical shift-encoded water-fat MRI and MR spectroscopy in quantification of marrow fat in postmenopausal females. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 66-73.	3.4	41
50	The Blood Oxygenation T₂[*] Values of Resectable Esophageal Squamous Cell Carcinomas as Measured by 3T Magnetic Resonance Imaging: Association with Tumor Stage. <i>Korean Journal of Radiology</i> , 2017, 18, 674.	3.4	10
51	Efficient Segmentation of a Breast in B-Mode Ultrasound Tomography Using Three-Dimensional GrabCut (GC3D). <i>Sensors</i> , 2017, 17, 1827.	3.8	19
52	The Paravascular Pathway for Brain Waste Clearance: Current Understanding, Significance and Controversy. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 101.	1.7	120
53	Automatic Segmentation of Ultrasound Tomography Image. <i>BioMed Research International</i> , 2017, 2017, 1-8.	1.9	5
54	A pilot evaluation of magnetic resonance imaging characteristics seen with solid papillary carcinomas of the breast in 4 patients. <i>BMC Cancer</i> , 2017, 17, 525.	2.6	7

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55	T_2^* mapping at 3.0T MRI for differentiation of papillary thyroid carcinoma from benign thyroid nodules. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 956-961.	3.4	17
56	FAT4 functions as a tumor suppressor in triple-negative breast cancer. <i>Tumor Biology</i> , 2016, 37, 16337-16343.	1.8	34
57	A large-scale measurement of dielectric properties of normal and malignant colorectal tissues obtained from cancer surgeries at Larmor frequencies. <i>Medical Physics</i> , 2016, 43, 5991-5997.	3.0	18
58	Peptide Dendron-Functionalized Mesoporous Silica Nanoparticle-Based Nanohybrid: Biocompatibility and Its Potential as Imaging Probe. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 860-870.	5.2	24
59	Comparison of T_2^* mapping with diffusion-weighted imaging in the characterization of low-grade vs intermediate-grade and high-grade prostate cancer. <i>British Journal of Radiology</i> , 2016, 89, 20151076.	2.2	7
60	Quantitative diffusion-weighted magnetic resonance imaging in the assessment of myocardial fibrosis in hypertrophic cardiomyopathy compared with T1 mapping. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1289-1297.	1.5	15
61	Short- and midterm reproducibility of marrow fat measurements using mDixon imaging in healthy postmenopausal women. <i>Skeletal Radiology</i> , 2016, 45, 1385-1390.	2.0	4
62	Systematic analyses of key genes and pathways in the development of invasive breast cancer. <i>Gene</i> , 2016, 593, 1-12.	2.2	12
63	Imaging increased glutamate in children with Sturge-Weber syndrome: Association with epilepsy severity. <i>Epilepsy Research</i> , 2016, 122, 66-72.	1.6	14
64	Preliminary Study of MR Diffusion Tensor Imaging of Pancreas for the Diagnosis of Acute Pancreatitis. <i>PLoS ONE</i> , 2016, 11, e0160115.	2.5	12
65	Liver lobe-based magnetic resonance diffusion-weighted imaging using multiple b values in patients with hepatitis B-related liver cirrhosis: association with the liver disease severity according to the Child-Pugh class. <i>Clinics</i> , 2015, 70, 486-492.	1.5	0
66	Alteration of spontaneous neuronal activity in young adults with non-clinical depressive symptoms. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 36-42.	1.8	16
67	Sentinel lymph node detection using magnetic resonance lymphography with conventional gadolinium contrast agent in breast cancer: a preliminary clinical study. <i>BMC Cancer</i> , 2015, 15, 213.	2.6	19
68	Thickness of soft tissue of lower extremities measured with magnetic resonance imaging as a new indicator for staging unilateral secondary lower extremity lymphedema. <i>Acta Radiologica</i> , 2015, 56, 1016-1024.	1.1	9
69	Preliminary Study of MR Diffusion Tensor Imaging of the Liver for the Diagnosis of Hepatocellular Carcinoma. <i>PLoS ONE</i> , 2015, 10, e0135568.	2.5	14
70	Do mergers and acquisitions in china create value to acquiring firms?. <i>Corporate Ownership and Control</i> , 2015, 12, 117-140.	1.0	3
71	Susceptibility-Weighted Imaging for the Noncontrast Evaluation of Hepatocellular Carcinoma: A Prospective Study with Histopathologic Correlation. <i>PLoS ONE</i> , 2014, 9, e98303.	2.5	14
72	Characterization of Breast Tumors Using Diffusion Kurtosis Imaging (DKI). <i>PLoS ONE</i> , 2014, 9, e113240.	2.5	62

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73	Prediction of nuclear grade of clear cell renal cell carcinoma with MRI: intratumoral susceptibility signal intensity versus necrosis. <i>Acta Radiologica</i> , 2014, 55, 378-384.	1.1	11
74	Validity of soft-tissue thickness of calf measured using MRI for assessing unilateral lower extremity lymphoedema secondary to cervical and endometrial cancer treatments. <i>Clinical Radiology</i> , 2014, 69, 1287-1294.	1.1	8
75	Feasibility and Preliminary Experience of Quantitative T2* Mapping at 3.0T for Detection and Assessment of Aggressiveness of Prostate Cancer. <i>Academic Radiology</i> , 2014, 21, 1020-1026.	2.5	21
76	On the Utility of Quantitative Diffusion-Weighted MR Imaging as a Tool in Differentiation between Malignant and Benign Thyroid Nodules. <i>Academic Radiology</i> , 2014, 21, 355-363.	2.5	23
77	The Value of T2* in Differentiating Metastatic from Benign Axillary Lymph Nodes in Patients with Breast Cancer - A Preliminary In Vivo Study. <i>PLoS ONE</i> , 2014, 9, e84038.	2.5	21
78	Altered Resting-State Connectivity in College Students with Nonclinical Depressive Symptoms. <i>PLoS ONE</i> , 2014, 9, e114603.	2.5	36
79	Feasibility of similarity coefficient map in improving quality of magnetic resonance images of spleen. , 2013, , .		1
80	Evaluating Hemorrhage in Renal Cell Carcinoma Using Susceptibility Weighted Imaging. <i>PLoS ONE</i> , 2013, 8, e57691.	2.5	22
81	Imaging Lymphatic System in Breast Cancer Patients with Magnetic Resonance Lymphangiography. <i>PLoS ONE</i> , 2013, 8, e69701.	2.5	17
82	Assessment of Intratumoral Micromorphology for Patients with Clear Cell Renal Cell Carcinoma Using Susceptibility-Weighted Imaging. <i>PLoS ONE</i> , 2013, 8, e65866.	2.5	4
83	In Ovo Monitoring of Smooth Muscle Fiber Development in the Chick Embryo: Diffusion Tensor Imaging with Histologic Correlation. <i>PLoS ONE</i> , 2012, 7, e34009.	2.5	7
84	Improved Siderotic Nodule Detection in Cirrhosis with Susceptibility-Weighted Magnetic Resonance Imaging: A Prospective Study. <i>PLoS ONE</i> , 2012, 7, e36454.	2.5	22
85	Feasibility of in ovo diffusion tractography in the chick embryo using a dual-cooling technique. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 993-1001.	3.4	4
86	MR Lymphography of Lymphatic Vessels in Lower Extremity with Gynecologic Oncology-Related Lymphedema. <i>PLoS ONE</i> , 2012, 7, e50319.	2.5	46
87	Improving detection of siderotic nodules in cirrhotic liver with a multi-breathhold susceptibility-weighted imaging technique. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 318-325.	3.4	40
88	Cortical calcification in sturge-weber syndrome on MRI-SWI: Relation to brain perfusion status and seizure severity. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 791-798.	3.4	57
89	Feasibility of high temporal resolution breast DCE-MRI using compressed sensing theory. <i>Medical Physics</i> , 2010, 37, 4971-4981.	3.0	55
90	A high spatial resolution in vivo 1H magnetic resonance spectroscopic imaging technique for the human breast at. <i>Medical Physics</i> , 2009, 36, 4870-4877.	3.0	21

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91	MRI and MRS of Human Brain Tumors. <i>Methods in Molecular Biology</i> , 2009, 520, 297-314.	0.9	12
92	MR susceptibility weighted imaging (SWI) complements conventional contrast enhanced T1 weighted MRI in characterizing brain abnormalities of Sturge-Weber Syndrome. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 300-307.	3.4	89
93	Spectral simplification for resolved glutamate and glutamine measurement using a standard STEAM sequence with optimized timing parameters at 3, 4, 4.7, 7, and 9.4T. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 236-244.	3.0	59
94	A high spatial resolution 1H magnetic resonance spectroscopic imaging technique for breast cancer with a short echo time. <i>Magnetic Resonance Imaging</i> , 2008, 26, 360-366.	1.8	20
95	Simultaneous detection of resolved glutamate, glutamine, and $\hat{1}^3$ -aminobutyric acid at 4T. <i>Journal of Magnetic Resonance</i> , 2007, 185, 204-213.	2.1	41
96	In vivo measurement of tissue damage, oxygen saturation changes and blood flow changes after experimental traumatic brain injury in rats using susceptibility weighted imaging. <i>Magnetic Resonance Imaging</i> , 2007, 25, 219-227.	1.8	82
97	Susceptibility-weighted imaging to visualize blood products and improve tumor contrast in the study of brain masses. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 41-51.	3.4	184
98	An improved 1H magnetic resonance spectroscopic imaging technique for the human breast: preliminary results. <i>Magnetic Resonance Imaging</i> , 2005, 23, 571-576.	1.8	15
99	Oriental dependence of trimethyl ammonium signal in human muscles by 1H magnetic resonance spectroscopic imaging. <i>Magnetic Resonance Imaging</i> , 2005, 23, 97-104.	1.8	10
100	Investigation of neural progenitor cell induced angiogenesis after embolic stroke in rat using MRI. <i>NeuroImage</i> , 2005, 28, 698-707.	4.2	151
101	Significant differences in proton trimethyl ammonium signals between human gastrocnemius and soleus muscle. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 617-622.	3.4	9
102	Spectral pattern of total creatine and trimethyl ammonium in multiple sclerosis. <i>Magnetic Resonance Imaging</i> , 2004, 22, 427-429.	1.8	7
103	High spatial resolution in vivo 2D 1H magnetic resonance spectroscopic imaging of human muscles with a band-selective technique. <i>Magnetic Resonance Imaging</i> , 2001, 19, 1091-1096.	1.8	8
104	Magnetization transfer MRI: Application to treatment of middle cerebral artery occlusion in rat. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 178-184.	3.4	26
105	Mapping Brain Metabolites Using a Double Echo-Filter Metabolite Imaging (DEFMI) Technique. <i>Journal of Magnetic Resonance</i> , 1999, 140, 363-370.	2.1	15
106	Two-Dimensional Proton Chemical-Shift Imaging of Human Muscle Metabolites. <i>Journal of Magnetic Resonance</i> , 1997, 126, 187-192.	2.1	18
107	Left ventricular thrombus after acute ST-segment elevation myocardial infarction: multi-parametric cardiac magnetic resonance imaging with long-term outcomes. <i>International Journal of Cardiovascular Imaging</i> , 0, , 1.	0.6	0