Houchun Hu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2739165/publications.pdf

Version: 2024-02-01

157	6,010	87888 38	85541 71
papers	citations	h-index	g-index

159	159	159	7715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human BAT Possesses Molecular Signatures That Resemble Beige/Brite Cells. PLoS ONE, 2012, 7, e49452.	2.5	541
2	Proton density fatâ€fraction: A standardized mrâ€based biomarker of tissue fat concentration. Journal of Magnetic Resonance Imaging, 2012, 36, 1011-1014.	3.4	385
3	Brown Adipose Reporting Criteria in Imaging STudies (BARCIST 1.0): Recommendations for Standardized FDG-PET/CT Experiments in Humans. Cell Metabolism, 2016, 24, 210-222.	16.2	233
4	Linearity, Bias, and Precision of Hepatic Proton Density Fat Fraction Measurements by Using MR Imaging: A Meta-Analysis. Radiology, 2018, 286, 486-498.	7.3	225
5	Parallel MR Imaging: A Userâ€™s Guide. Radiographics, 2005, 25, 1279-1297.	3.3	198
6	Comparison of Fatâ€“Water MRI and Singleâ€voxel MRS in the Assessment of Hepatic and Pancreatic Fat Fractions in Humans. Obesity, 2010, 18, 841-847.	3.0	182
7	Identification of brown adipose tissue in mice with fatâ€“water IDEALâ€MRI. Journal of Magnetic Resonance Imaging, 2010, 31, 1195-1202.	3.4	131
8	Brown Fat in Humans: Consensus Points and Experimental Guidelines. Cell Metabolism, 2014, 20, 408-415.	16.2	127
9	Increased signal intensities in the dentate nucleus and globus pallidus on unenhanced T1-weighted images: evidence in children undergoing multiple gadolinium MRI exams. Pediatric Radiology, 2016, 46, 1590-1598.	2.0	115
10	Ethnic Differences in Pancreatic Fat Accumulation and Its Relationship With Other Fat Depots and Inflammatory Markers. Diabetes Care, 2011, 34, 485-490.	8.6	112
11	MR properties of brown and white adipose tissues. Journal of Magnetic Resonance Imaging, 2011, 34, 468-473.	3.4	104
12	Characterization of Human Brown Adipose Tissue by Chemical-Shift Water-Fat MRI. American Journal of Roentgenology, 2013, 200, 177-183.	2.2	101
13	Multicenter Safety and Practice for Off-Label Diagnostic Use of Ferumoxytol in MRI. Radiology, 2019, 293, 554-564.	7.3	99
14	MRI Brain Signal Intensity Changes of a Child During the Course of 35 Gadolinium Contrast Examinations. Pediatrics, 2015, 136, e1637-e1640.	2.1	98
15	3D high temporal and spatial resolution contrastâ€enhanced MR angiography of the whole brain. Magnetic Resonance in Medicine, 2008, 60, 749-760.	3.0	86
16	Comparison of brown and white adipose tissues in infants and children with chemicalâ€shiftâ€encoded waterâ€fat MRI. Journal of Magnetic Resonance Imaging, 2013, 38, 885-896.	3.4	86
17	Device artifact reduction for magnetic resonance imaging of patients with implantable cardioverter-defibrillators and ventricular tachycardia: Late gadolinium enhancement correlation with electroanatomic mapping. Heart Rhythm, 2014, 11, 289-298.	0.7	86
18	Unequivocal identification of brown adipose tissue in a human infant. Journal of Magnetic Resonance Imaging, 2012, 35, 938-942.	3.4	77

#	Article	IF	Citations
19	Relevance of brown adipose tissue in infancy and adolescence. Pediatric Research, 2013, 73, 3-9.	2.3	74
20	MR image reconstruction using deep learning: evaluation of network structure and loss functions. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1516-1527.	2.0	68
21	Differential Computed Tomographic Attenuation of Metabolically Active and Inactive Adipose Tissues. Journal of Computer Assisted Tomography, 2011, 35, 65-71.	0.9	66
22	Functional Brown Adipose Tissue is Related to Muscle Volume in Children and Adolescents. Journal of Pediatrics, 2011, 158, 722-726.	1.8	66
23	Advanced neuroimaging in traumatic brain injury: an overview. Neurosurgical Focus, 2019, 47, E17.	2.3	66
24	Reducing sedation for pediatric body MRI using accelerated and abbreviated imaging protocols. Pediatric Radiology, 2018, 48, 37-49.	2.0	64
25	Effectiveness of diffusion tensor imaging in assessing disease severity in Duchenne muscular dystrophy: preliminary study. Pediatric Radiology, 2015, 45, 582-589.	2.0	62
26	Brown Adipose Tissue and Its Relationship to Bone Structure in Pediatric Patients. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2693-2698.	3.6	61
27	Segmentation and quantification of adipose tissue by magnetic resonance imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 259-276.	2.0	61
28	Cardiac magnetic resonance imaging using wideband sequences in patients with nonconditional cardiac implanted electronic devices. Heart Rhythm, 2018, 15, 218-225.	0.7	56
29	Self-gated 4D multiphase, steady-state imaging with contrast enhancement (MUSIC) using rotating cartesian K-space (ROCK): Validation in children with congenital heart disease. Magnetic Resonance in Medicine, 2017, 78, 472-483.	3.0	54
30	Respiratory motion-resolved, self-gated 4D-MRI using rotating cartesian k-space (ROCK). Medical Physics, 2017, 44, 1359-1368.	3.0	51
31	Ectopic Fat Deposition in Prediabetic Overweight and Obese Minority Adolescents. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1115-1121.	3.6	50
32	Correction of phase errors in quantitative waterâ€“fat imaging using a monopolar timeâ€interleaved multiâ€echo gradient echo sequence. Magnetic Resonance in Medicine, 2017, 78, 984-996.	3.0	50
33	Fourâ€dimensional, multiphase, steadyâ€state imaging with contrast enhancement (MUSIC) in the heart: A feasibility study in children. Magnetic Resonance in Medicine, 2015, 74, 1042-1049.	3.0	49
34	Measurement of vertebral bone marrow proton density fat fraction in children using quantitative waterâ€“fat MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 449-460.	2.0	46
35	Variations in T2* and fat content of murine brown and white adipose tissues by chemical-shift MRI. Magnetic Resonance Imaging, 2012, 30, 323-329.	1.8	42
36	MRI with ferumoxytol: A single center experience of safety across the age spectrum. Journal of Magnetic Resonance Imaging, 2017, 45, 804-812.	3.4	40

#	Article	IF	Citations
37	Brown Adipose Tissue: Multimodality Evaluation by PET, MRI, Infrared Thermography, and Wholeâ€Body Calorimetry (TACTICALâ€II). Obesity, 2019, 27, 1434-1442.	3.0	40
38	Linearity and Bias of Proton Density Fat Fraction as a Quantitative Imaging Biomarker: A Multicenter, Multiplatform, Multivendor Phantom Study. Radiology, 2021, 298, 640-651.	7.3	39
39	Automatic intraâ€subject registrationâ€based segmentation of abdominal fat from waterâ€“fat MRI. Journal of Magnetic Resonance Imaging, 2013, 37, 423-430.	3.4	38
40	Myocardial T1 mapping at 3.0 tesla using an inversion recovery spoiled gradient echo readout and bloch equation simulation with slice profile correction (BLESSPC) T1 estimation algorithm. Journal of Magnetic Resonance Imaging, 2016, 43, 414-425.	3.4	38
41	MRI detection of brown adipose tissue with low fat content in newborns with hypothermia. Magnetic Resonance Imaging, 2014, 32, 107-117.	1.8	37
42	Modified wideband threeâ€dimensional late gadolinium enhancement MRI for patients with implantable cardiac devices. Magnetic Resonance in Medicine, 2016, 75, 572-584.	3.0	37
43	Change in the proton T₁ of fat and water in mixture. Magnetic Resonance in Medicine, 2010, 63, 494-501.	3.0	35
44	High spatial and temporal resolution dynamic contrast-enhanced magnetic resonance angiography using compressed sensing with magnitude image subtraction. Magnetic Resonance in Medicine, 2014, 71, 1771-1783.	3.0	35
45	Recreational runners with patellofemoral pain exhibit elevated patella water content. Magnetic Resonance Imaging, 2014, 32, 965-968.	1.8	35
46	Ferumoxytol vs. Gadolinium agents for contrastâ€enhanced MRI: Thoughts on evolving indications, risks, and benefits. Journal of Magnetic Resonance Imaging, 2017, 46, 919-923.	3.4	35
47	Goldenâ€ratio rotated stackâ€ofâ€stars acquisition for improved volumetric <scp>MRI</scp>. Magnetic Resonance in Medicine, 2017, 78, 2290-2298.	3.0	35
48	Distortionâ€free diffusion <scp>MRI</scp> using an <scp>MRI</scp>â€guided Triâ€Cobalt 60 radiotherapy system: Sequence verification and preliminary clinical experience. Medical Physics, 2017, 44, 5357-5366.	3.0	31
49	Free-breathing non-contrast-enhanced flow-independent MR angiography using magnetization-prepared 3D non-balanced dual-echo Dixon method: A feasibility study at 3 Tesla. Magnetic Resonance Imaging, 2019, 63, 137-146.	1.8	31
50	Artificial intelligence in pediatric and adult congenital cardiac MRI: an unmet clinical need. Cardiovascular Diagnosis and Therapy, 2019, 9, S310-S325.	1.7	31
51	4D MUSIC CMR: value-based imaging of neonates and infants with congenital heart disease. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 40.	3.3	30
52	Accelerated ferumoxytolâ€enhanced 4D multiphase, steadyâ€state imaging with contrast enhancement (MUSIC) cardiovascular MRI: validation in pediatric congenital heart disease. NMR in Biomedicine, 2017, 30, e3663.	2.8	30
53	Newly Developed Methods for Reducing Motion Artifacts in Pediatric Abdominal MRI: Tips and Pearls. American Journal of Roentgenology, 2020, 214, 1042-1053.	2.2	30
54	Runningâ€induced patellofemoral pain fluctuates with changes in patella water content. European Journal of Sport Science, 2014, 14, 628-634.	2.7	29

#	Article	IF	Citations
55	Accelerated waterâ€“fat imaging using restricted subspace field map estimation and compressed sensing. Magnetic Resonance in Medicine, 2012, 67, 650-659.	3.0	28
56	Measurement of interscapular brown adipose tissue of mice in differentially housed temperatures by chemicalâ€shiftâ€“encoded waterâ€“fat MRI. Journal of Magnetic Resonance Imaging, 2013, 38, 1425-1433.	3.4	28
57	Presence of Brown Adipose Tissue in an Adolescent With Severe Primary Hypothyroidism. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1686-E1690.	3.6	28
58	A Spiral Spin-Echo MR Imaging Technique for Improved Flow Artifact Suppression in T1-Weighted Postcontrast Brain Imaging: A Comparison with Cartesian Turbo Spin-Echo. American Journal of Neuroradiology, 2016, 37, 642-647.	2.4	28
59	Accelerated noncontrastâ€enhanced 4â€dimensional intracranial MR angiography using goldenâ€angle stackâ€ofâ€stars trajectory and compressed sensing with magnitude subtraction. Magnetic Resonance in Medicine, 2018, 79, 867-878.	3.0	28
60	Shear-wave ultrasound elastography of the liver in normal-weight and obese children. Acta Radiologica, 2017, 58, 1511-1518.	1.1	27
61	Magnetic Resonance of Brown Adipose Tissue: A Review of Current Techniques. Critical Reviews in Biomedical Engineering, 2015, 43, 161-181.	0.9	27
62	Inverse association between brown adipose tissue activation and white adipose tissue accumulation in successfully treated pediatric malignancy. American Journal of Clinical Nutrition, 2012, 95, 1144-1149.	4.7	26
63	Intermittent-Mode CT Fluoroscopyâ€“guided Biopsy of the Lung or Upper Abdomen with Breath-hold Monitoring and Feedback: System Development and Feasibility. Radiology, 2003, 229, 906-912.	7.3	25
64	Quantification of absolute fat mass using an adipose tissue reference signal model. Journal of Magnetic Resonance Imaging, 2008, 28, 1483-1491.	3.4	25
65	Instantaneous signal loss simulation (InSiL): An improved algorithm for myocardial T₁ mapping using the MOLLI sequence. Journal of Magnetic Resonance Imaging, 2015, 41, 721-729.	3.4	25
66	Parallel imaging and convolutional neural network combined fast MR image reconstruction: Applications in lowâ€latency accelerated realâ€time imaging. Medical Physics, 2019, 46, 3399-3413.	3.0	25
67	Fast and accurate calculation of myocardial T 1 and T 2 values using deep learning Bloch equation simulations (DeepBLESS). Magnetic Resonance in Medicine, 2020, 84, 2831-2845.	3.0	25
68	High-Spatial-Resolution Contrast-enhanced MR Angiography of the Intracranial Venous System with Fourfold Accelerated Two-dimensional Sensitivity Encoding1. Radiology, 2007, 243, 853-861.	7.3	24
69	Magnetic resonance imaging of obesity and metabolic disorders: Summary from the 2019 ISMRM Workshop. Magnetic Resonance in Medicine, 2020, 83, 1565-1576.	3.0	24
70	Magnetic Resonance Imaging of Iron Oxide-Labeled Human Embryonic Stem Cell-Derived Cardiac Progenitors. Stem Cells Translational Medicine, 2016, 5, 67-74.	3.3	23
71	Myocardial T1 mapping for patients with implanted cardiac devices using wideband inversion recovery spoiled gradient echo readout. Magnetic Resonance in Medicine, 2017, 77, 1495-1504.	3.0	23
72	Cardiac balanced steady-state free precession MRI at 0.35 T: a comparison study with 1.5 T. Quantitative Imaging in Medicine and Surgery, 2018, 8, 627-636.	2.0	23

#	Article	IF	Citations
73	Quantification of Absolute Fat Mass by Magnetic Resonance Imaging: a Validation Study against Chemical Analysis. International Journal of Body Composition Research, 2011, 9, 111-122.	0.5	23
74	Emerging Technologies and their Applications in Lipid Compartment Measurement. Trends in Endocrinology and Metabolism, 2015, 26, 688-698.	7.1	22
75	Chemical shift encoded waterâ€“fat separation using parallel imaging and compressed sensing. Magnetic Resonance in Medicine, 2013, 69, 456-466.	3.0	20
76	On the relevance of brown adipose tissue in children. Annals of the New York Academy of Sciences, 2013, 1302, 24-29.	3.8	20
77	Reducing viewâ€sharing using compressed sensing in timeâ€resolved contrastâ€enhanced magnetic resonance angiography. Magnetic Resonance in Medicine, 2015, 74, 474-481.	3.0	20
78	Techniques and Applications of Magnetic Resonance Imaging for Studying Brown Adipose Tissue Morphometry and Function. Handbook of Experimental Pharmacology, 2018, 251, 299-324.	1.8	20
79	The Depiction of Brown Adipose Tissue Is Related to Disease Status in Pediatric Patients With Lymphoma. American Journal of Roentgenology, 2012, 198, 909-913.	2.2	19
80	Respiratory motion-resolved, self-gated 4D-MRI using Rotating Cartesian K-space (ROCK): Initial clinical experience on an MRI-guided radiotherapy system. Radiotherapy and Oncology, 2018, 127, 467-473.	0.6	19
81	Accuracy of UTE-MRI-based patient setup for brain cancer radiation therapy. Medical Physics, 2015, 43, 262-267.	3.0	18
82	Preventing diabetes in obese Latino youth with prediabetes: a study protocol for a randomized controlled trial. BMC Public Health, 2017, 17, 261.	2.9	18
83	Assessment of cerebral blood perfusion reserve with acetazolamide using 3D spiral ASL MRI: Preliminary experience in pediatric patients. Magnetic Resonance Imaging, 2017, 35, 132-140.	1.8	18
84	Four-dimensional Multiphase Steady-State MRI with Ferumoxytol Enhancement: Early Multicenter Feasibility in Pediatric Congenital Heart Disease. Radiology, 2021, 300, 162-173.	7.3	18
85	Developments in the Imaging of Brown Adipose Tissue and its Associations with Muscle, Puberty, and Health in Children. Frontiers in Endocrinology, 2011, 2, 33.	3.5	17
86	Fast data acquisition techniques in magnetic resonance spectroscopic imaging. NMR in Biomedicine, 2019, 32, e4046.	2.8	17
87	Spiral T1 Spin-Echo for Routine Postcontrast Brain MRI Exams: A Multicenter Multireader Clinical Evaluation. American Journal of Neuroradiology, 2020, 41, 238-245.	2.4	17
88	Retrospective respiratory motion correction in cardiac cine MRI reconstruction using adversarial autoencoder and unsupervised learning. NMR in Biomedicine, 2021, 34, e4433.	2.8	17
89	Measuring bone mineral density with fatâ€“water MRI: comparison with computed tomography. Journal of Magnetic Resonance Imaging, 2013, 37, 237-242.	3.4	16
90	Accuracy, precision, and reproducibility of myocardial T1 mapping: A comparison of four T1 estimation algorithms for modified lookâ€locker inversion recovery (MOLLI). Magnetic Resonance in Medicine, 2017, 78, 1746-1756.	3.0	16

#	Article	IF	Citations
91	Accelerated T2*â€compensated fat fraction quantification using a joint parallel imaging and compressed sensing framework. Journal of Magnetic Resonance Imaging, 2013, 38, 1267-1275.	3.4	15
92	Segmented golden ratio radial reordering with variable temporal resolution for dynamic cardiac MRI. Magnetic Resonance in Medicine, 2016, 76, 94-103.	3.0	15
93	Comparison of 2D BLADE Turbo Gradient- and Spin-Echo and 2D Spin-Echo Echo-Planar Diffusion-Weighted Brain MRI at 3 T: Preliminary Experience in Children. Academic Radiology, 2019, 26, 1597-1604.	2.5	15
94	Multi-phase 3D arterial spin labeling brain MRI in assessing cerebral blood perfusion and arterial transit times in children at 3T. Clinical Imaging, 2019, 53, 210-220.	1.5	15
95	Repeatability of Chemical-Shift-Encoded Water-Fat MRI and Diffusion-Tensor Imaging in Lower Extremity Muscles in Children. American Journal of Roentgenology, 2014, 202, W567-W573.	2.2	14
96	Improved fat-suppression homogeneity with mDIXON turbo spin echo (TSE) in pediatric spine imaging at 3.0â€‰T. Acta Radiologica, 2017, 58, 1386-1394.	1.1	14
97	Ferumoxytol enhanced black-blood cardiovascular magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 106.	3.3	13
98	Accurate, precise, simultaneous myocardial T1 and T2 mapping using a radial sequence with inversion recovery and T2 preparation. NMR in Biomedicine, 2019, 32, e4165.	2.8	13
99	Constraints in estimating the proton density fat fraction. Magnetic Resonance Imaging, 2020, 66, 1-8.	1.8	13
100	InÂVitro Modeling of Human Brain Arteriovenous Malformation for Endovascular Simulation and Flow Analysis. World Neurosurgery, 2020, 141, e873-e879.	1.3	13
101	Freeâ€Breathing Volumetric Liver and Proton Density Fat Fraction Quantification in Pediatric Patients Using Stackâ€ofâ€Radial MRI With Selfâ€Gating Motion Compensation. Journal of Magnetic Resonance Imaging, 2021, 53, 118-129.	3.4	13
102	Intracranial contrastâ€enhanced magnetic resonance venography with 6.4â€fold sensitivity encoding at 1.5 and 3.0 Tesla. Journal of Magnetic Resonance Imaging, 2008, 27, 653-658.	3.4	12
103	Prospective cardiac motion self-gating. Quantitative Imaging in Medicine and Surgery, 2017, 7, 215-226.	2.0	12
104	Practical Safety Considerations for Integration of Magnetic Resonance Imaging in Radiation Therapy. Practical Radiation Oncology, 2020, 10, 443-453.	2.1	12
105	Temperatureâ€corrected proton density fat fraction estimation using chemical shiftâ€encoded MRI in phantoms. Magnetic Resonance in Medicine, 2021, 86, 69-81.	3.0	11
106	Evaluation of T2-Weighted MRI for Visualization and Sparing of Urethra with MR-Guided Radiation Therapy (MRgRT) On-Board MRI. Cancers, 2021, 13, 3564.	3.7	11
107	Contrast-enhanced MR Angiography of the Peripheral Vasculature with a Continuously Moving Table and Modified Elliptical Centric Acquisition. Radiology, 2006, 240, 222-229.	7.3	10
108	Magnetic resonance elastography demonstrates elevated liver stiffness in cystic fibrosis patients. Journal of Cystic Fibrosis, 2018, 17, e54-e56.	0.7	10

#	Article	IF	Citations
109	Accelerated 3D <scp>bSSFP</scp> imaging for treatment planning on an <scp>MRI</scp>â€guided radiotherapy system. Medical Physics, 2018, 45, 2595-2602.	3.0	10
110	Multishot diffusionâ€prepared magnitudeâ€stabilized balanced steadyâ€state free precession sequence for distortionâ€free diffusion imaging. Magnetic Resonance in Medicine, 2019, 81, 2374-2384.	3.0	10
111	Temporally aware volumetric generative adversarial networkâ€based MR image reconstruction with simultaneous respiratory motion compensation: Initial feasibility in 3D dynamic cine cardiac MRI. Magnetic Resonance in Medicine, 2021, 86, 2666-2683.	3.0	9
112	Quantification of Human Central Adipose Tissue Depots: An Anatomically Matched Comparison Between DXA and MRI. Tomography, 2019, 5, 358-366.	1.8	9
113	Recent Advances in Pediatric Brain, Spine, and Neuromuscular Magnetic Resonance Imaging Techniques. Pediatric Neurology, 2019, 96, 7-23.	2.1	8
114	Cardiac Magnetic Resonance Quantification of Structure-Function Relationships in Heart Failure. Heart Failure Clinics, 2021, 17, 9-24.	2.1	8
115	Ferumoxytolâ€enhanced magnetic resonance T1 reactivity for depiction of myocardial hypoperfusion. NMR in Biomedicine, 2021, 34, e4518.	2.8	8
116	Brown Adipose Tissue, Adiposity, and Metabolic Profile in Preschool Children. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2901-2914.	3.6	8
117	Heterogeneity of muscle fat infiltration in children with spina bifida. Research in Developmental Disabilities, 2014, 35, 215-222.	2.2	7
118	Post-contrast T1-weighted spine 3T MRI in children using a golden-angle radial acquisition. Neuroradiology, 2019, 61, 341-349.	2.2	7
119	Prediction of myocardial signal during CINE balanced SSFP imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 85-91.	2.0	6
120	Age-related differences in neural activation and functional connectivity during the processing of vocal prosody in adolescence. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 1418-1432.	2.0	6
121	Magnetic Resonance Elastography of the Liver in Children and Adolescents: Assessment of Regional Variations in Stiffness. Academic Radiology, 2020, 27, e109-e115.	2.5	6
122	Pathophysiology, classification, and MRI parallels in microvascular disease of the heart and brain. Microcirculation, 2020, 27, e12648.	1.8	6
123	Bone marrow adipose tissue content in Latino adolescents with prediabetes and obesity. Obesity, 2021, 29, 2100-2107.	3.0	6
124	Estimation of fractional myocardial blood volume and water exchange using ferumoxytolâ€enhanced magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2021, 53, 1699-1709.	3.4	6
125	Phaseâ€contrast MRI with hybrid one and twoâ€sided flowâ€encoding and velocity spectrum separation. Magnetic Resonance in Medicine, 2017, 78, 182-192.	3.0	5
126	Non-gadolinium dynamic angiography of the neurovasculature using arterial spin labeling MRI: preliminary experience in children. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 107-112.	2.0	5

#	Article	IF	Citations
127	Multidelay Arterial Spin Labeling MRI in the Assessment of Cerebral Blood Flow: Preliminary Clinical Experience in Pediatrics. Pediatric Neurology, 2020, 103, 79-83.	2.1	5
128	Chemical-shift water-fat MRI of white adipose depots: inability to resolve cell size differences. International Journal of Body Composition Research, 2013, 11, 9-16.	0.5	5
129	Validation of automated bone age analysis from hand radiographs in a North American pediatric population. Pediatric Radiology, 2022, , 1.	2.0	5
130	Comparison of 2D single-shot turbo-spin-echo and spin-echo echo-planar diffusion weighted brain MRI at 3.0 Tesla: preliminary experience in children. Clinical Imaging, 2017, 42, 152-157.	1.5	4
131	Accelerated phase contrast MRI using hybrid oneâ€•and twoâ€sided flow encodings only (HOTFEO). NMR in Biomedicine, 2018, 31, e3904.	2.8	4
132	Standardization of Radiologic Procedures for Pediatric Videofluoroscopic Swallow Studies: A Service-based Quality Improvement Initiative. Pediatric Quality & Safety, 2018, 3, e123.	0.8	4
133	The Potential and Promise of Diffusion Tensor MRI in Predicting Neurodevelopment in Children. Radiology, 2019, 292, 188-189.	7.3	4
134	Automatic segmentation of peripheral arteries and veins in ferumoxytolâ€enhanced MR angiography. Magnetic Resonance in Medicine, 2022, 87, 984-998.	3.0	4
135	Phase contrast MRI with flow compensation view sharing. Magnetic Resonance in Medicine, 2015, 73, 505-513.	3.0	3
136	Improved 4D cardiac functional assessment for pediatric patients using motion-weighted image reconstruction. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 747-756.	2.0	3
137	3D T1-weighted contrast-enhanced brain MRI in children using a fat-suppressed golden angle radial acquisition: an alternative to Cartesian inversion-recovery imaging. Clinical Imaging, 2019, 55, 112-118.	1.5	3
138	MRI of tibial stress fractures: relationship between Fredericson classification and time to recovery in pediatric athletes. Pediatric Radiology, 2020, 50, 1735-1741.	2.0	3
139	3D isotropic resolution diffusionâ€prepared magnitudeâ€stabilized bSSFP imaging with high geometric fidelity at 1.5 Tesla. Medical Physics, 2020, 47, 3511-3519.	3.0	3
140	3D-Printed Coronary Implants Are Effective for Percutaneous Creation of Swine Models with Focal Coronary Stenosis. Journal of Cardiovascular Translational Research, 2020, 13, 1033-1043.	2.4	3
141	Minimizing echo and repetition times in magnetic resonance imaging using a double halfâ€echo k â€space acquisition and lowâ€rank reconstruction. NMR in Biomedicine, 2021, 34, e4458.	2.8	3
142	Comparison and evaluation of distortion correction techniques on an MRâ€guided radiotherapy system. Medical Physics, 2021, 48, 691-702.	3.0	3
143	Technical Note: Validation of an automatic ACR phantom quality assurance tool for an MRâ€guided radiotherapy system. Medical Physics, 2021, 48, 1540-1545.	3.0	3
144	Accelerated kâ€space shift calibration for freeâ€breathing stackâ€ofâ€radial MRI quantification of liver fat and. Magnetic Resonance in Medicine, 2022, 87, 281-291.	3.0	3

#	Article	IF	Citations
145	Magnetic resonance neurography of the lumbosacral plexus at 3 Tesla â€“ CSF-suppressed imaging with submillimeter resolution by a three-dimensional turbo spin echo sequence. Magnetic Resonance Imaging, 2020, 71, 132-139.	1.8	2
146	Cerebral perfusion and neurological examination characterise neonatal opioid withdrawal syndrome: a prospective cohort study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, , fetalneonatal-2021-322192.	2.8	2
147	Surgical ablation after stereotactic body radiation therapy for ventricular arrhythmias. HeartRhythm Case Reports, 2022, 8, 73-76.	0.4	2
148	Organ fat in Latino youth at risk for type 2 diabetes. Pediatric Diabetes, 2022, 23, 286-290.	2.9	2
149	Comparison of brown and white adipose tissues in infants and children with chemical-shift-encoded water-fat MRI. Journal of Magnetic Resonance Imaging, 2013, 38, spcone-spcone.	3.4	1
150	2-D magnetic resonance spectroscopic imaging of the pediatric brain using compressed sensing. Pediatric Radiology, 2019, 49, 1798-1808.	2.0	1
151	Dosimetric impact from cardiac motion to heart substructures in thoracic cancer patients treated with a magnetic resonance guided radiotherapy system. Physics and Imaging in Radiation Oncology, 2021, 17, 8-12.	2.9	1
152	Slice encoding for the reduction of outflow signal artifacts in cine balanced SSFP imaging. Magnetic Resonance in Medicine, 2021, 86, 2034-2048.	3.0	1
153	Inter-Phase 4D Cardiac MRI Registration With a Motion Prior Derived From CTA. IEEE Transactions on Biomedical Engineering, 2022, 69, 1828-1836.	4.2	1
154	Quantification of regional deformation of the lungs by non-rigid registration of three-dimensional contrast-enhanced magnetic resonance imaging. Quantitative Imaging in Medicine and Surgery, 2017, 7, 177-186.	2.0	0
155	Advanced imaging use and payment trends in a large pediatric accountable care organization. Pediatric Radiology, 2022, 52, 22-29.	2.0	0
156	Undersampling strategies for compressed sensing accelerated MR spectroscopic imaging. Proceedings of SPIE, 2017, , .	0.8	0
157	Recent Advances in Functional MRI to Predict Treatment Response for Locally Advanced Rectal Cancer. Current Colorectal Cancer Reports, 0, , 1.	0.5	0