Houchun Hu

List of Publications by Year
in descending order

157 papers	6,010 citations	87886 38 h-index	85537 71 g-index
159 all docs	159 docs citations	159 times ranked	7715 citing authors

#	Article	IF	Citations
1	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
2	Advanced imaging use and payment trends in a large pediatric accountable care organization. Pediatric Radiology, 2022, 52, 22-29.	2.0	0
3	Automatic segmentation of peripheral arteries and veins in ferumoxytolâ€enhanced MR angiography. Magnetic Resonance in Medicine, 2022, 87, 984-998.	3.0	4
4	Surgical ablation after stereotactic body radiation therapy for ventricular arrhythmias. HeartRhythm Case Reports, 2022, 8, 73-76.	0.4	2
5	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
6	Organ fat in Latino youth at risk for type 2 diabetes. Pediatric Diabetes, 2022, 23, 286-290.	2.9	2
7	Validation of automated bone age analysis from hand radiographs in a North American pediatric population. Pediatric Radiology, 2022, , 1.	2.0	5
8	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
9	Retrospective respiratory motion correction in cardiac cine MRI reconstruction using adversarial autoencoder and unsupervised learning. NMR in Biomedicine, 2021, 34, e4433.	2.8	17
10	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
11	Comparison and evaluation of distortion correction techniques on an MRâ€guided radiotherapy system. Medical Physics, 2021, 48, 691-702.	3.0	3
12	Cardiac Magnetic Resonance Quantification of Structure-Function Relationships in Heart Failure. Heart Failure Clinics, 2021, 17, 9-24.	2.1	8
13	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
14	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
15	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
16	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
17	Ferumoxytolâ€enhanced magnetic resonance T1 reactivity for depiction of myocardial hypoperfusion. NMR in Biomedicine, 2021, 34, e4518.	2.8	8
18	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

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19	Brown Adipose Tissue, Adiposity, and Metabolic Profile in Preschool Children. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 2901-2914.	3.6	8
20	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
21	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
22	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
23	Bone marrow adipose tissue content in Latino adolescents with prediabetes and obesity. Obesity, 2021, 29, 2100-2107.	3.0	6
24	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
25	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
26	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
27	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
28	Constraints in estimating the proton density fat fraction. Magnetic Resonance Imaging, 2020, 66, 1-8.	1.8	13
29	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
30	Practical Safety Considerations for Integration of Magnetic Resonance Imaging in Radiation Therapy. Practical Radiation Oncology, 2020, 10, 443-453.	2.1	12
31	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
32	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
33	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
34	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
35	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
36	Pathophysiology, classification, and MRI parallels in microvascular disease of the heart and brain. Microcirculation, 2020, 27, e12648.	1.8	6

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37	InÂVitro Modeling of Human Brain Arteriovenous Malformation for Endovascular Simulation and Flow Analysis. World Neurosurgery, 2020, 141, e873-e879.	1.3	13
38	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
39	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
40	Brown Adipose Tissue: Multimodality Evaluation by PET, MRI, Infrared Thermography, and Wholeâ€Body Calorimetry (TACTICALâ€II). Obesity, 2019, 27, 1434-1442.	3.0	40
41	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
42	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
43	Multicenter Safety and Practice for Off-Label Diagnostic Use of Ferumoxytol in MRI. Radiology, 2019, 293, 554-564.	7.3	99
44	2-D magnetic resonance spectroscopic imaging of the pediatric brain using compressed sensing. Pediatric Radiology, 2019, 49, 1798-1808.	2.0	1
45	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
46	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
47	Fast data acquisition techniques in magnetic resonance spectroscopic imaging. NMR in Biomedicine, 2019, 32, e4046.	2.8	17
48	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
49	The Potential and Promise of Diffusion Tensor MRI in Predicting Neurodevelopment in Children. Radiology, 2019, 292, 188-189.	7.3	4
50	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
51	Recent Advances in Pediatric Brain, Spine, and Neuromuscular Magnetic Resonance Imaging Techniques. Pediatric Neurology, 2019, 96, 7-23.	2.1	8
52	Post-contrast T1-weighted spine 3T MRI in children using a golden-angle radial acquisition. Neuroradiology, 2019, 61, 341-349.	2.2	7
53	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
54	Artificial intelligence in pediatric and adult congenital cardiac MRI: an unmet clinical need. Cardiovascular Diagnosis and Therapy, 2019, 9, S310-S325.	1.7	31

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55	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
56	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
57	Quantification of Human Central Adipose Tissue Depots: An Anatomically Matched Comparison Between DXA and MRI. Tomography, 2019, 5, 358-366.	1.8	9
58	Advanced neuroimaging in traumatic brain injury: an overview. Neurosurgical Focus, 2019, 47, E17.	2.3	66
59	Reducing sedation for pediatric body MRI using accelerated and abbreviated imaging protocols. Pediatric Radiology, 2018, 48, 37-49.	2.0	64
60	Accelerated phase contrast MRI using hybrid oneâ€and twoâ€sided flow encodings only (HOTFEO). NMR in Biomedicine, 2018, 31, e3904.	2.8	4
61	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
62	Cardiac magnetic resonance imaging using wideband sequences in patients with nonconditional cardiac implanted electronic devices. Heart Rhythm, 2018, 15, 218-225.	0.7	56
63	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
64	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
65	Standardization of Radiologic Procedures for Pediatric Videofluoroscopic Swallow Studies: A Service-based Quality Improvement Initiative. Pediatric Quality & Safety, 2018, 3, e123.	0.8	4
66	Magnetic resonance elastography demonstrates elevated liver stiffness in cystic fibrosis patients. Journal of Cystic Fibrosis, 2018, 17, e54-e56.	0.7	10
67	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
68	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
69	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
70	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
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	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

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73	Respiratory motion-resolved, self-gated 4D-MRI using rotating cartesian k-space (ROCK). Medical Physics, 2017, 44, 1359-1368.	3.0	51
74	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
75	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
76	Goldenâ€ratio rotated stackâ€ofâ€stars acquisition for improved volumetric <scp>MRI</scp>. Magnetic Resonance in Medicine, 2017, 78, 2290-2298.	3.0	35
77	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
78	Shear-wave ultrasound elastography of the liver in normal-weight and obese children. Acta Radiologica, 2017, 58, 1511-1518.	1.1	27
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	Prospective cardiac motion self-gating. Quantitative Imaging in Medicine and Surgery, 2017, 7, 215-226.	2.0	12

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91	Undersampling strategies for compressed sensing accelerated MR spectroscopic imaging. Proceedings of SPIE, 2017, , .	0.8	0
92	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
93	Segmented golden ratio radial reordering with variable temporal resolution for dynamic cardiac MRI. Magnetic Resonance in Medicine, 2016, 76, 94-103.	3.0	15
94	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
95	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
96	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
97	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
98	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
99	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
100	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
101	Ferumoxytol enhanced black-blood cardiovascular magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 106.	3.3	13
102	Accuracy of UTE-MRI-based patient setup for brain cancer radiation therapy. Medical Physics, 2015, 43, 262-267.	3.0	18
103	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
104	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
105	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
106	Phase contrast MRI with flow compensation view sharing. Magnetic Resonance in Medicine, 2015, 73, 505-513.	3.0	3
107	MRI Brain Signal Intensity Changes of a Child During the Course of 35 Gadolinium Contrast Examinations. Pediatrics, 2015, 136, e1637-e1640.	2.1	98
108	Effectiveness of diffusion tensor imaging in assessing disease severity in Duchenne muscular dystrophy: preliminary study. Pediatric Radiology, 2015, 45, 582-589.	2.0	62

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109	Emerging Technologies and their Applications in Lipid Compartment Measurement. Trends in Endocrinology and Metabolism, 2015, 26, 688-698.	7.1	22
110	Magnetic Resonance of Brown Adipose Tissue: A Review of Current Techniques. Critical Reviews in Biomedical Engineering, 2015, 43, 161-181.	0.9	27
111	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
112	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
113	Runningâ€induced patellofemoral pain fluctuates with changes in patella water content. European Journal of Sport Science, 2014, 14, 628-634.	2.7	29
114	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
115	Brown Fat in Humans: Consensus Points and Experimental Guidelines. Cell Metabolism, 2014, 20, 408-415.	16.2	127
116	MRI detection of brown adipose tissue with low fat content in newborns with hypothermia. Magnetic Resonance Imaging, 2014, 32, 107-117.	1.8	37
117	Recreational runners with patellofemoral pain exhibit elevated patella water content. Magnetic Resonance Imaging, 2014, 32, 965-968.	1.8	35
118	Heterogeneity of muscle fat infiltration in children with spina bifida. Research in Developmental Disabilities, 2014, 35, 215-222.	2.2	7
119	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
120	Measuring bone mineral density with fatâ€“water MRI: comparison with computed tomography. Journal of Magnetic Resonance Imaging, 2013, 37, 237-242.	3.4	16
121	Chemical shift encoded waterâ€“fat separation using parallel imaging and compressed sensing. Magnetic Resonance in Medicine, 2013, 69, 456-466.	3.0	20
122	On the relevance of brown adipose tissue in children. Annals of the New York Academy of Sciences, 2013, 1302, 24-29.	3.8	20
123	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
124	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
125	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
126	Characterization of Human Brown Adipose Tissue by Chemical-Shift Water-Fat MRI. American Journal of Roentgenology, 2013, 200, 177-183.	2.2	101

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127	Ectopic Fat Deposition in Prediabetic Overweight and Obese Minority Adolescents. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 1115-1121.	3.6	50
128	Relevance of brown adipose tissue in infancy and adolescence. Pediatric Research, 2013, 73, 3-9.	2.3	74
129	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
130	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
131	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
132	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
133	Human BAT Possesses Molecular Signatures That Resemble Beige/Brite Cells. PLoS ONE, 2012, 7, e49452.	2.5	541
134	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
135	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
136	Unequivocal identification of brown adipose tissue in a human infant. Journal of Magnetic Resonance Imaging, 2012, 35, 938-942.	3.4	77
137	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
138	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
139	Accelerated waterâ€“fat imaging using restricted subspace field map estimation and compressed sensing. Magnetic Resonance in Medicine, 2012, 67, 650-659.	3.0	28
140	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
141	Differential Computed Tomographic Attenuation of Metabolically Active and Inactive Adipose Tissues. Journal of Computer Assisted Tomography, 2011, 35, 65-71.	0.9	66
142	Functional Brown Adipose Tissue is Related to Muscle Volume in Children and Adolescents. Journal of Pediatrics, 2011, 158, 722-726.	1.8	66
143	MR properties of brown and white adipose tissues. Journal of Magnetic Resonance Imaging, 2011, 34, 468-473.	3.4	104
144	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

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145	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
146	Prediction of myocardial signal during CINE balanced SSFP imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 85-91.	2.0	6
147	Identification of brown adipose tissue in mice with fatâ€“water IDEALâ€MRI. Journal of Magnetic Resonance Imaging, 2010, 31, 1195-1202.	3.4	131
148	Change in the proton T₁ of fat and water in mixture. Magnetic Resonance in Medicine, 2010, 63, 494-501.	3.0	35
149	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
150	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
151	Quantification of absolute fat mass using an adipose tissue reference signal model. Journal of Magnetic Resonance Imaging, 2008, 28, 1483-1491.	3.4	25
152	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
153	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
154	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
155	Parallel MR Imaging: A Userâ€™s Guide. Radiographics, 2005, 25, 1279-1297.	3.3	198
156	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
157	Recent Advances in Functional MRI to Predict Treatment Response for Locally Advanced Rectal Cancer. Current Colorectal Cancer Reports, 0, , 1.	0.5	0