

# Scott B Reeder

## List of Publications by Year in descending order

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346  
papers

20,933  
citations

13068

68  
h-index

12910

131  
g-index

353  
all docs

353  
docs citations

353  
times ranked

15229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of signal-to-noise ratios in MR images: Influence of multichannel coils, parallel imaging, and reconstruction filters. Journal of Magnetic Resonance Imaging, 2007, 26, 375-385.	1.9	809
2	Iterative decomposition of water and fat with echo asymmetry and least-squares estimation (IDEAL): Application with fast spin-echo imaging. Magnetic Resonance in Medicine, 2005, 54, 636-644.	1.9	615
3	Quantitative assessment of liver fat with magnetic resonance imaging and spectroscopy. Journal of Magnetic Resonance Imaging, 2011, 34, 729-749.	1.9	613
4	Gadolinium deposition in the brain: summary of evidence and recommendations. Lancet Neurology, The, 2017, 16, 564-570.	4.9	600
5	Multiecho water-fat separation and simultaneous $R_2$ estimation with multifrequency fat spectrum modeling. Magnetic Resonance in Medicine, 2008, 60, 1122-1134.	1.9	590
6	Tagged MR imaging in a deforming phantom: photographic validation.. Radiology, 1994, 190, 765-769.	3.6	459
7	Magnitude and Time Course of Microvascular Obstruction and Tissue Injury After Acute Myocardial Infarction. Circulation, 1998, 98, 1006-1014.	1.6	453
8	Multicoil Dixon chemical species separation with an iterative least-squares estimation method. Magnetic Resonance in Medicine, 2004, 51, 35-45.	1.9	449
9	Fat quantification with IDEAL gradient echo imaging: Correction of bias from $T_1$ and noise. Magnetic Resonance in Medicine, 2007, 58, 354-364.	1.9	418
10	Proton density fat fraction: A standardized MRI-based biomarker of tissue fat concentration. Journal of Magnetic Resonance Imaging, 2012, 36, 1011-1014.	1.9	385
11	Multiecho reconstruction for simultaneous water-fat decomposition and $T_2^*$ estimation. Journal of Magnetic Resonance Imaging, 2007, 26, 1153-1161.	1.9	366
12	Quantitative assessment of liver fat with magnetic resonance imaging and spectroscopy. Journal of Magnetic Resonance Imaging, 2011, 34, 729-749.	1.9	359
13	Quantification of Hepatic Steatosis with $T_1$ -independent, $T_2^*$ -corrected MR Imaging with Spectral Modeling of Fat: Blinded Comparison with MR Spectroscopy. Radiology, 2011, 258, 767-775.	3.6	345
14	Water-fat separation with IDEAL gradient-echo imaging. Journal of Magnetic Resonance Imaging, 2007, 25, 644-652.	1.9	300
15	Noninvasive, Quantitative Assessment of Liver Fat by MRI-PDFF as an Endpoint in NASH Trials. Hepatology, 2018, 68, 763-772.	3.6	299
16	Fat and water magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2010, 31, 4-18.	1.9	291
17	Practical approaches to the evaluation of signal-to-noise ratio performance with parallel imaging: Application with cardiac imaging and a 32-channel cardiac coil. Magnetic Resonance in Medicine, 2005, 54, 748-754.	1.9	274
18	Quantification of Liver Fat with Magnetic Resonance Imaging. Magnetic Resonance Imaging Clinics of North America, 2010, 18, 337-357.	0.6	260

#	ARTICLE	IF	CITATIONS
19	Effects of refocusing flip angle modulation and view ordering in 3D fast spin echo. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 640-649.	1.9	239
20	Linearity, Bias, and Precision of Hepatic Proton Density Fat Fraction Measurements by Using MR Imaging: A Meta-Analysis. <i>Radiology</i> , 2018, 286, 486-498.	3.6	225
21	Quantification of hepatic steatosis with MRI: The effects of accurate fat spectral modeling. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1332-1339.	1.9	221
22	Quantification of liver iron with MRI: State of the art and remaining challenges. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 1003-1021.	1.9	208
23	Influence of multichannel combination, parallel imaging and other reconstruction techniques on MRI noise characteristics. <i>Magnetic Resonance Imaging</i> , 2008, 26, 754-762.	1.0	199
24	Field map estimation with a region growing scheme for iterative 3-point water-fat decomposition. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1032-1039.	1.9	195
25	Cram�r-Rao bounds for three-point decomposition of water and fat. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 625-635.	1.9	194
26	$T_1$ independent, $T_2^*$ corrected MRI with accurate spectral modeling for quantification of fat: Validation in a fat-water SPIO phantom. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 1215-1222.	1.9	191
27	In vivo measurement of $T_2$ and field inhomogeneity maps in the human heart at 1.5 T. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 988-998.	1.9	183
28	$T_1$ independent, $T_2^*$ corrected chemical shift based fat-water separation with multi-peak fat spectral modeling is an accurate and precise measure of hepatic steatosis. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 873-881.	1.9	183
29	Accuracy of Liver Fat Quantification With Advanced CT, MRI, and Ultrasound Techniques: Prospective Comparison With MR Spectroscopy. <i>American Journal of Roentgenology</i> , 2017, 208, 92-100.	1.0	180
30	Safety and technique of ferumoxytol administration for MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2107-2111.	1.9	171
31	Magnetic Resonance Imaging Quantification of Liver Iron. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2010, 18, 359-381.	0.6	170
32	Advanced MRI Methods for Assessment of Chronic Liver Disease. <i>American Journal of Roentgenology</i> , 2009, 193, 14-27.	1.0	169
33	Effect of Multiplex Spectral Modeling of Fat for Liver Iron and Fat Quantification: Correlation of Biopsy with MR Imaging Results. <i>Radiology</i> , 2012, 265, 133-142.	3.6	169
34	Combination of complex-based and magnitude-based multi-echo water-fat separation for accurate quantification of fat fraction. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 199-206.	1.9	166
35	Evaluation for Myocarditis in Competitive Student Athletes Recovering From Coronavirus Disease 2019 With Cardiac Magnetic Resonance Imaging. <i>JAMA Cardiology</i> , 2021, 6, 945.	3.0	161
36	Repeatability of magnetic resonance elastography for quantification of hepatic stiffness. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 725-731.	1.9	145

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37	4D cardiovascular magnetic resonance velocity mapping of alterations of right heart flow patterns and main pulmonary artery hemodynamics in tetralogy of Fallot. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 16.	1.6	129
38	Quantitative magnetic resonance imaging of hepatic steatosis: Validation in ex vivo human livers. <i>Hepatology</i> , 2015, 62, 1444-1455.	3.6	128
39	MR imaging of articular cartilage at 1.5T and 3.0T: Comparison of SPGR and SSFP sequences. <i>Osteoarthritis and Cartilage</i> , 2005, 13, 338-344.	0.6	124
40	Hepatobiliary MR imaging with gadolinium-based contrast agents. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 492-511.	1.9	121
41	Multipeak fat-corrected complex R2* relaxometry: Theory, optimization, and clinical validation. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1319-1331.	1.9	115
42	Pancreatic Steatosis Demonstrated at MR Imaging in the General Population: Clinical Relevance. <i>Radiology</i> , 2015, 276, 129-136.	3.6	113
43	Fast <sup>23</sup> Na Magnetic Resonance Imaging of Acute Reperfused Myocardial Infarction. <i>Circulation</i> , 1997, 95, 1877-1885.	1.6	109
44	Proton-density fat fraction and simultaneous R2* estimation as an MRI tool for assessment of osteoporosis. <i>European Radiology</i> , 2013, 23, 3432-3439.	2.3	106
45	Addressing phase errors in fat-water imaging using a mixed magnitude/complex fitting method. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 638-644.	1.9	105
46	Dermal white adipose tissue: a new component of the thermogenic response. <i>Journal of Lipid Research</i> , 2015, 56, 2061-2069.	2.0	104
47	Diagnosis of Coronavirus Disease 2019 Pneumonia by Using Chest Radiography: Value of Artificial Intelligence. <i>Radiology</i> , 2021, 298, E88-E97.	3.6	102
48	Multisite, multivendor validation of the accuracy and reproducibility of proton-density fat-fraction quantification at 1.5T and 3T using a fat-water phantom. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1516-1524.	1.9	99
49	Quantitative susceptibility mapping in the abdomen as an imaging biomarker of hepatic iron overload. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 673-683.	1.9	98
50	In vivo validation of 4D flow MRI for assessing the hemodynamics of portal hypertension. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 1100-1108.	1.9	93
51	Least-squares chemical shift separation for <sup>13</sup> C metabolic imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1145-1152.	1.9	91
52	Prevalence of Fatty Liver Disease and Hepatic Iron Overload in a Northeastern German Population by Using Quantitative MR Imaging. <i>Radiology</i> , 2017, 284, 706-716.	3.6	91
53	Sonography in Primary Hyperparathyroidism. <i>Journal of Ultrasound in Medicine</i> , 2002, 21, 539-552.	0.8	90
54	Cardiac MRI of ischemic heart disease at 3T: Potential and challenges. <i>European Journal of Radiology</i> , 2008, 65, 15-28.	1.2	83

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55	Generalized $k$ -space decomposition with chemical shift correction for non-cartesian water-fat imaging. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 1151-1164.	1.9	81
56	R mapping in the presence of macroscopic $B_0$ field variations. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 830-840.	1.9	80
57	The influence of prior hamstring injury on lengthening muscle tissue mechanics. <i>Journal of Biomechanics</i> , 2010, 43, 2254-2260.	0.9	79
58	Cardiovascular Magnetic Resonance for Patients With COVID-19. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 685-699.	2.3	79
59	Independent estimation of $T_2^*$ for water and fat for improved accuracy of fat quantification. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 849-857.	1.9	78
60	Quantitative chemical shift-encoded MRI is an accurate method to quantify hepatic steatosis. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1494-1501.	1.9	78
61	Value of MRI in medicine: More than just another test?. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e14-e25.	1.9	78
62	An Investigation of Transient Severe Motion Related to Gadoteric Acid-enhanced MR Imaging. <i>Radiology</i> , 2016, 279, 93-102.	3.6	77
63	Quantification of Liver Fat Content with CT and MRI: State of the Art. <i>Radiology</i> , 2021, 301, 250-262.	3.6	77
64	Multi-echo segmented $k$ -space imaging: An optimized hybrid sequence for ultrafast cardiac imaging. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 375-385.	1.9	74
65	Rapid MR Imaging of Articular Cartilage with Steady-State Free Precession and Multipoint Fat-Water Separation. <i>American Journal of Roentgenology</i> , 2003, 180, 357-362.	1.0	74
66	Water-fat separation with bipolar multiecho sequences. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 198-209.	1.9	73
67	Quantification of Liver Fat Content With Unenhanced MDCT: Phantom and Clinical Correlation With MRI Proton Density Fat Fraction. <i>American Journal of Roentgenology</i> , 2018, 211, W151-W157.	1.0	73
68	Quantification of Hepatic Steatosis With Dual-Energy Computed Tomography. <i>Investigative Radiology</i> , 2012, 47, 603-610.	3.5	72
69	Homodyne reconstruction and IDEAL water-fat decomposition. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 586-593.	1.9	71
70	Cardiac CINE MR imaging with a 32-channel cardiac coil and parallel imaging: Impact of acceleration factors on image quality and volumetric accuracy. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 222-227.	1.9	71
71	Quantification of Hepatic Steatosis with 3-T MR Imaging: Validation in <i>ob/ob</i> Mice. <i>Radiology</i> , 2010, 254, 119-128.	3.6	71
72	Articular Cartilage of the Knee: Rapid Three-dimensional MR Imaging at 3.0 T with IDEAL Balanced Steady-State Free Precession—Initial Experience. <i>Radiology</i> , 2006, 240, 546-551.	3.6	70

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73	Body MRI Using IDEAL. American Journal of Roentgenology, 2008, 190, 1076-1084.	1.0	70
74	Characterization of hepatic adenoma and focal nodular hyperplasia with gadoteric acid. Journal of Magnetic Resonance Imaging, 2012, 36, 686-696.	1.9	70
75	Quantitative Imaging Biomarkers of NAFLD. Digestive Diseases and Sciences, 2016, 61, 1337-1347.	1.1	70
76	Effects of water exchange on the measurement of myocardial perfusion using paramagnetic contrast agents. Magnetic Resonance in Medicine, 1999, 41, 334-342.	1.9	68
77	Natural History of Hepatic Steatosis: Observed Outcomes for Subsequent Liver and Cardiovascular Complications. American Journal of Roentgenology, 2014, 202, 752-758.	1.0	68
78	Standardized Approach for ROI-Based Measurements of Proton Density Fat Fraction and R2* in the Liver. American Journal of Roentgenology, 2017, 209, 592-603.	1.0	68
79	IDEAL Imaging of the Musculoskeletal System: Robust Water-Fat Separation for Uniform Fat Suppression, Marrow Evaluation, and Cartilage Imaging. American Journal of Roentgenology, 2007, 189, W284-W291.	1.0	67
80	Reproducibility of MR-based liver fat quantification across field strength: Same-day comparison between 1.5T and 3T in obese subjects. Journal of Magnetic Resonance Imaging, 2015, 42, 811-817.	1.9	67
81	Time-Resolved Interventional Cardiac C-arm Cone-Beam CT: An Application of the PICCS Algorithm. IEEE Transactions on Medical Imaging, 2012, 31, 907-923.	5.4	66
82	Endovascular Abdominal Aortic Aneurysm Repair: Nonenhanced Volumetric CT for Follow-up. Radiology, 2009, 253, 253-262.	3.6	63
83	Phase and amplitude correction for multi-echo water-fat separation with bipolar acquisitions. Journal of Magnetic Resonance Imaging, 2010, 31, 1264-1271.	1.9	63
84	Noninvasive temperature mapping with MRI using chemical shift water-fat separation. Magnetic Resonance in Medicine, 2010, 63, 1238-1246.	1.9	63
85	Presurgical Localization of the Artery of Adamkiewicz with Time-resolved 3.0-T MR Angiography. Radiology, 2010, 255, 873-881.	3.6	62
86	Cardiac CINE imaging with IDEAL water-fat separation and steady-state free precession. Journal of Magnetic Resonance Imaging, 2005, 22, 44-52.	1.9	61
87	Effectiveness of MR angiography for the primary diagnosis of acute pulmonary embolism: Clinical outcomes at 3 months and 1 year. Journal of Magnetic Resonance Imaging, 2013, 38, 914-925.	1.9	61
88	MR-based quantitative susceptibility mapping (QSM) and R2* mapping of liver iron overload: Comparison with SQUID-based biomagnetic liver susceptometry. Magnetic Resonance in Medicine, 2017, 78, 264-270.	1.9	61
89	Relaxivity of Ferumoxytol at 1.5 T and 3.0 T. Investigative Radiology, 2018, 53, 257-263.	3.5	61
90	ACR guidance document on MR safe practices: Updates and critical information 2019. Journal of Magnetic Resonance Imaging, 2020, 51, 331-338.	1.9	61

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91	Phase-Sensitive Inversion Recovery (PSIR) Single-Shot TrueFISP for Assessment of Myocardial Infarction at 3 Tesla. <i>Investigative Radiology</i> , 2006, 41, 148-153.	3.5	59
92	Blood oxygenation dependence of T1 and T2 in the isolated, perfused rabbit heart at 4.7T. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 623-627.	1.9	58
93	Quantification and reduction of ghosting artifacts in interleaved echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 429-439.	1.9	56
94	Noninvasive Assessment of Transstenotic Pressure Gradients in Porcine Renal Artery Stenoses by Using Vastly Undersampled Phase-Contrast MR Angiography. <i>Radiology</i> , 2011, 261, 266-273.	3.6	56
95	Presurgical Localization of Parathyroid Adenomas with Magnetic Resonance Imaging at 3.0 T: An Adjunct Method to Supplement Traditional Imaging. <i>Annals of Surgical Oncology</i> , 2012, 19, 981-989.	0.7	56
96	On the confounding effect of temperature on chemical shift-encoded fat quantification. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 464-470.	1.9	56
97	Referenceless interleaved echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 87-94.	1.9	55
98	3.0-T Evaluation of Knee Cartilage by Using Three-Dimensional IDEAL GRASS Imaging: Comparison with Fast Spin-Echo Imaging. <i>Radiology</i> , 2010, 255, 117-127.	3.6	55
99	Optimized high-resolution contrast-enhanced hepatobiliary imaging at 3 tesla: A cross-over comparison of gadobenate dimeglumine and gadoxetic acid. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 585-594.	1.9	55
100	Effects of Inhaled Fluticasone on Upper Airway during Sleep and Wakefulness in Asthma: A Pilot Study. <i>Journal of Clinical Sleep Medicine</i> , 2014, 10, 183-193.	1.4	54
101	Proton density fat-fraction is an accurate biomarker of hepatic steatosis in adolescent girls and young women. <i>European Radiology</i> , 2015, 25, 2921-2930.	2.3	54
102	The effect of high performance gradients on fast gradient echo imaging. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 612-621.	1.9	52
103	Sensitivity of chemical shift-encoded fat quantification to calibration of fat MR spectrum. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 845-851.	1.9	52
104	A magnetization-driven gradient echo pulse sequence for the study of myocardial perfusion. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 276-282.	1.9	51
105	Renal Arteries: Isotropic, High-Spatial-Resolution, Unenhanced MR Angiography with Three-dimensional Radial Phase Contrast. <i>Radiology</i> , 2011, 258, 254-260.	3.6	51
106	High resolution navigated three-dimensional T1-weighted hepatobiliary MRI using gadoxetic acid optimized for 1.5 tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 890-899.	1.9	51
107	T1- and T2-weighted fast spin-echo imaging of the brachial plexus and cervical spine with IDEAL water-fat separation. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 825-832.	1.9	50
108	Four-dimensional velocity mapping of the hepatic and splanchnic vasculature with radial sampling at 3 tesla: A feasibility study in portal hypertension. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 577-584.	1.9	50



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109	Advanced Cardiac MR Imaging of Ischemic Heart Disease. Radiographics, 2001, 21, 1047-1074.	1.4	49
110	Signal-to-noise ratio behavior of steady-state free precession. Magnetic Resonance in Medicine, 2004, 52, 123-130.	1.9	48
111	Impaired regulation of portal venous flow in response to a meal challenge as quantified by 4D flow MRI. Journal of Magnetic Resonance Imaging, 2015, 42, 1009-1017.	1.9	48
112	Myocarditis Associated with mRNA COVID-19 Vaccination. Radiology, 2021, 301, E409-E411.	3.6	48
113	Comparison of $R_2^*$ correction methods for accurate fat quantification in fatty liver. Journal of Magnetic Resonance Imaging, 2013, 37, 414-422.	1.9	47
114	Effects of postprandial state and mesenteric blood flow on the repeatability of MR elastography in asymptomatic subjects. Journal of Magnetic Resonance Imaging, 2011, 33, 239-244.	1.9	46
115	Hepatobiliary MR contrast agents in hypovascular hepatocellular carcinoma. Journal of Magnetic Resonance Imaging, 2015, 41, 251-265.	1.9	46
116	Intravenous Gadoxetate Disodium Administration Reduces Breath-holding Capacity in the Hepatic Arterial Phase: A Multi-Center Randomized Placebo-controlled Trial. Radiology, 2017, 282, 361-368.	3.6	46
117	How bariatric surgery affects liver volume and fat density in NAFLD patients. Surgical Endoscopy and Other Interventional Techniques, 2018, 32, 1675-1682.	1.3	46
118	Clinical Usefulness of Adding 3D Cartilage Imaging Sequences to a Routine Knee MR Protocol. American Journal of Roentgenology, 2011, 196, 159-167.	1.0	45
119	On the performance of $T_2^*$ correction methods for quantification of hepatic fat content. Magnetic Resonance in Medicine, 2012, 67, 389-404.	1.9	44
120	Quantification of Thoracic Blood Flow Using Volumetric Magnetic Resonance Imaging With Radial Velocity Encoding. Investigative Radiology, 2013, 48, 819-825.	3.5	44
121	Effect of flip angle on the accuracy and repeatability of hepatic proton density fat fraction estimation by complex data-based, $T_1$ -independent, $T_2^*$ -corrected, spectrum-modeled MRI. Journal of Magnetic Resonance Imaging, 2014, 39, 440-447.	1.9	43
122	Gadoxetate-enhanced abbreviated MRI is highly accurate for hepatocellular carcinoma screening. European Radiology, 2020, 30, 6003-6013.	2.3	43
123	Cardiac Steady-State Free Precession CINE Magnetic Resonance Imaging at 3.0 Tesla. Investigative Radiology, 2006, 41, 141-147.	3.5	42
124	Iterative Decomposition of Water and Fat with Echo Asymmetry and Least-Squares Estimation (IDEAL) Fast Spin-Echo Imaging of the Ankle: Initial Clinical Experience. American Journal of Roentgenology, 2006, 187, 1442-1447.	1.0	42
125	Improved least squares MR image reconstruction using estimates of $k$ -Space data consistency. Magnetic Resonance in Medicine, 2012, 67, 1600-1608.	1.9	42
126	Variations in $T_2^*$ and fat content of murine brown and white adipose tissues by chemical-shift MRI. Magnetic Resonance Imaging, 2012, 30, 323-329.	1.0	42



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127	Emerging quantitative magnetic resonance imaging biomarkers of hepatic steatosis. <i>Hepatology</i> , 2013, 58, 1877-1880.	3.6	42
128	Cytochrome P450 1B1: An unexpected modulator of liver fatty acid homeostasis. <i>Archives of Biochemistry and Biophysics</i> , 2015, 571, 21-39.	1.4	42
129	High-Resolution 3D Cartilage Imaging with IDEALâ€“SPGR at 3 T. <i>American Journal of Roentgenology</i> , 2007, 189, 1510-1515.	1.0	41
130	Validation of MRI biomarkers of hepatic steatosis in the presence of iron overload in the ob/ob mouse. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 844-851.	1.9	41
131	Adipose tissue MRI for quantitative measurement of central obesity. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 707-716.	1.9	41
132	Longitudinal Monitoring of Hepatic Blood Flow before and after TIPS by Using 4D-Flow MR Imaging. <i>Radiology</i> , 2016, 281, 574-582.	3.6	41
133	Liver fat quantification: where do we stand?. <i>Abdominal Radiology</i> , 2020, 45, 3386-3399.	1.0	41
134	R2* estimation using â€œinâ€“phaseâ€“echoes in the presence of fat: The effects of complex spectrum of fat. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 717-726.	1.9	40
135	Consensus report from the 6th International forum for liver MRI using gadoxetic acid. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 516-529.	1.9	40
136	Quantitative cardiac perfusion: a noninvasive spin-labeling method that exploits coronary vessel geometry.. <i>Radiology</i> , 1996, 200, 177-184.	3.6	39
137	Single acquisition water-fat separation: Feasibility study for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 413-422.	1.9	39
138	Fat confounds the observed apparent diffusion coefficient in patients with hepatic steatosis. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 545-552.	1.9	39
139	Emerging Applications of Abdominal 4D Flow MRI. <i>American Journal of Roentgenology</i> , 2016, 207, 58-66.	1.0	39
140	Diagnostic Accuracy of MRI Versus CT for the Evaluation of Acute Appendicitis in Children and Young Adults. <i>American Journal of Roentgenology</i> , 2017, 209, 911-919.	1.0	39
141	Quantification of liver fat in the presence of iron overload. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 428-439.	1.9	39
142	Linearity and Bias of Proton Density Fat Fraction as a Quantitative Imaging Biomarker: A Multicenter, Multiplatform, Multivendor Phantom Study. <i>Radiology</i> , 2021, 298, 640-651.	3.6	39
143	Improved delayed enhanced myocardial imaging with $T_2$ -Prep inversion recovery magnetization preparation. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1280-1286.	1.9	38
144	T1 bias in chemical shiftâ€“encoded liver fatâ€“fraction: Role of the flip angle. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 875-883.	1.9	38

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145	Four-dimensional Flow MRI as a Marker for Risk Stratification of Gastroesophageal Varices in Patients with Liver Cirrhosis. <i>Radiology</i> , 2019, 290, 101-107.	3.6	38
146	Tag contrast in breath-hold CINE cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 521-525.	1.9	37
147	Magnetic susceptibility as a $B_0$ field strength independent MRI biomarker of liver iron overload. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 648-656.	1.9	36
148	Prospective Comparison of the Diagnostic Accuracy of MR Imaging versus CT for Acute Appendicitis. <i>Radiology</i> , 2018, 288, 467-475.	3.6	36
149	IDEAL-IQ in an oncologic population: meeting the challenge of concomitant liver fat and liver iron. <i>Cancer Imaging</i> , 2018, 18, 51.	1.2	36
150	Cartilage morphology at 3.0T: Assessment of three-dimensional magnetic resonance imaging techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 173-183.	1.9	35
151	Load-dependent variations in knee kinematics measured with dynamic MRI. <i>Journal of Biomechanics</i> , 2013, 46, 2045-2052.	0.9	35
152	Constraining the initial phase in water-fat separation. <i>Magnetic Resonance Imaging</i> , 2011, 29, 216-221.	1.0	34
153	Gadoxetic acid-enhanced T1-weighted MR cholangiography in primary sclerosing cholangitis. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 632-640.	1.9	34
154	Longitudinal Changes in Liver Fat Content in Asymptomatic Adults: Hepatic Attenuation on Unenhanced CT as an Imaging Biomarker for Steatosis. <i>American Journal of Roentgenology</i> , 2015, 205, 1167-1172.	1.0	34
155	Systematic review and meta-analysis of the accuracy of MRI to diagnose appendicitis in the general population. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1346-1354.	1.9	34
156	Contrast enhanced pulmonary magnetic resonance angiography for pulmonary embolism: Building a successful program. <i>European Journal of Radiology</i> , 2016, 85, 553-563.	1.2	32
157	Multiecho IDEAL Gradient-Echo Water-Fat Separation for Rapid Assessment of Cartilage Volume at 1.5 T: Initial Experience. <i>Radiology</i> , 2009, 252, 561-567.	3.6	31
158	Increased volume of coverage for abdominal contrast-enhanced MR angiography with two-dimensional autocalibrating parallel imaging: Initial experience at 3.0 Tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 1093-1100.	1.9	30
159	Predicting Hepatic Steatosis in a Racially and Ethnically Diverse Cohort of Adolescent Girls. <i>Journal of Pediatrics</i> , 2014, 165, 319-325.e1.	0.9	30
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