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List of Publications by Year in descending order

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49
papers

5,767
citations

172457

29
h-index

197818

49
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49
docs citations

49
times ranked

4155
citing authors

#	ARTICLE	IF	CITATIONS
1	Iterative decomposition of water and fat with echo asymmetry and least-squares estimation (IDEAL): Application with fast spin-echo imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 636-644.	3.0	615
2	Multiecho water-fat separation and simultaneous T_2^* estimation with multifrequency fat spectrum modeling. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1122-1134.	3.0	590
3	Fat quantification with IDEAL gradient echo imaging: Correction of bias from T_1 and noise. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 354-364.	3.0	418
4	Coronary Angiography with Magnetization-Prepared T_2 Contrast. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 689-696.	3.0	415
5	Multiecho reconstruction for simultaneous water-fat decomposition and T_2^* estimation. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1153-1161.	3.4	366
6	Quantification of Hepatic Steatosis with T_1 -independent, T_2^* -corrected MR Imaging with Spectral Modeling of Fat: Blinded Comparison with MR Spectroscopy. <i>Radiology</i> , 2011, 258, 767-775.	7.3	345
7	Fast spin echo sequences with very long echo trains: Design of variable refocusing flip angle schedules and generation of clinical T_2 contrast. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1030-1037.	3.0	302
8	Water-fat separation with IDEAL gradient-echo imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 644-652.	3.4	300
9	Fat and water magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 4-18.	3.4	291
10	Quantification of hepatic steatosis with MRI: The effects of accurate fat spectral modeling. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1332-1339.	3.4	221
11	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.	3.0	195
12	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.	3.4	191
13	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.	3.4	183
14	Combination of complex-based and magnitude-based multiecho water-fat separation for accurate quantification of fat fraction. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 199-206.	3.0	166
15	Least-squares chemical shift separation for ^{13}C metabolic imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1145-1152.	3.4	91
16	Three-dimensional flow-independent peripheral angiography. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 343-354.	3.0	77
17	Homodyne reconstruction and IDEAL water-fat decomposition. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 586-593.	3.0	71
18	Quantification of Hepatic Steatosis with 3-T MR Imaging: Validation in <i>ob/ob</i> Mice. <i>Radiology</i> , 2010, 254, 119-128.	7.3	71

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19	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.	7.3	70
20	Phase and amplitude correction for multi-echo water-fat separation with bipolar acquisitions. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1264-1271.	3.4	63
21	Oxygen-sensitive contrast in blood for steady-state free precession imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 574-583.	3.0	57
22	High resolution navigated three-dimensional T ₁ -weighted hepatobiliary MRI using gadoxetic acid optimized for 1.5 tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 890-899.	3.4	51
23	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.	3.4	50
24	Articular Cartilage of the Knee: Evaluation with Fluctuating Equilibrium MR Imaging—Initial Experience in Healthy Volunteers. <i>Radiology</i> , 2006, 238, 712-718.	7.3	48
25	High-Resolution 3D Cartilage Imaging with IDEAL-SPGR at 3 T. <i>American Journal of Roentgenology</i> , 2007, 189, 1510-1515.	2.2	41
26	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.	3.4	41
27	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.	7.3	39
28	Improved delayed enhanced myocardial imaging with T ₂ -Prep inversion recovery magnetization preparation. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1280-1286.	3.4	38
29	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.	3.4	30
30	Estimation of liver T_2^* in transfusion-related iron overload in patients with weighted least squares T_2^* IDEAL. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 183-190.	3.0	30
31	Improved fat suppression using multipeak reconstruction for IDEAL chemical shift fat-water separation: Application with fast spin echo imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 436-442.	3.4	28
32	T ₂ -weighted 3D fast spin echo imaging with water-fat separation in a single acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 745-751.	3.4	28
33	k -space water-fat decomposition with T ₂ * estimation and multifrequency fat spectrum modeling for ultrashort echo time imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1027-1034.	3.4	24
34	Magnetization-prepared IDEAL bSSFP: A flow-independent technique for noncontrast-enhanced peripheral angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 931-939.	3.4	24
35	Robust multipoint water-fat separation using fat likelihood analysis. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1065-1076.	3.0	23
36	Dual-acquisition phase-sensitive fat-water separation using balanced steady-state free precession. <i>Magnetic Resonance Imaging</i> , 2006, 24, 113-122.	1.8	20

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37	Flow-independent T ₂ -prepared inversion recovery black-blood MR imaging. Journal of Magnetic Resonance Imaging, 2010, 31, 248-254.	3.4	20
38	Three-dimensional fluid-suppressed T2-prep flow-independent peripheral angiography using balanced SSFP. Magnetic Resonance Imaging, 2011, 29, 1119-1124.	1.8	19
39	Interleaved variable density sampling with a constrained parallel imaging reconstruction for dynamic contrast-enhanced MR angiography. Magnetic Resonance in Medicine, 2011, 66, 428-436.	3.0	19
40	Noise analysis for 3-point chemical shift-based water-fat separation with spectral modeling of fat. Journal of Magnetic Resonance Imaging, 2010, 32, 493-500.	3.4	16
41	Spectrally resolved fully phase-encoded three-dimensional fast spin-echo imaging. Magnetic Resonance in Medicine, 2014, 71, 681-690.	3.0	13
42	Design of k-space channel combination kernels and integration with parallel imaging. Magnetic Resonance in Medicine, 2014, 71, 2139-2154.	3.0	12
43	Water-silicone separated volumetric MR acquisition for rapid assessment of breast implants. Journal of Magnetic Resonance Imaging, 2012, 35, 1216-1221.	3.4	11
44	Pulmonary perfusion MRI using interleaved variable density sampling and Highly constrained cartesian reconstruction (HYCR). Journal of Magnetic Resonance Imaging, 2013, 38, 751-756.	3.4	11
45	Temperature-corrected proton density fat fraction estimation using chemical shift-encoded MRI in phantoms. Magnetic Resonance in Medicine, 2021, 86, 69-81.	3.0	11
46	Design and evaluation of quantitative MRI phantoms to mimic the simultaneous presence of fat, iron, and fibrosis in the liver. Magnetic Resonance in Medicine, 2021, 85, 734-747.	3.0	10
47	Prospective MR signal-based cardiac triggering. Magnetic Resonance in Medicine, 1999, 42, 82-86.	3.0	7
48	Non-contrast-enhanced peripheral angiography using a sliding interleaved cylinder acquisition. Magnetic Resonance in Medicine, 2015, 74, 727-738.	3.0	3
49	Application of direct virtual coil to dynamic contrast-enhanced MRI and MR angiography with data-driven parallel imaging. Magnetic Resonance in Medicine, 2014, 71, 783-789.	3.0	2