Claude B Sirlin

List of Publications by Year
in descending order

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323 papers	35,782 citations	2215 99 h-index	3915 177 g-index
325 all docs	325 docs citations	325 times ranked	24645 citing authors

#	Article	IF	Citations
1	Diagnosis, Staging, and Management of Hepatocellular Carcinoma: 2018 Practice Guidance by the American Association for the Study of Liver Diseases. Hepatology, 2018, 68, 723-750.	7.3	3,096
2	AASLD guidelines for the treatment of hepatocellular carcinoma. Hepatology, 2018, 67, 358-380.	7.3	2,932
3	Liver Imaging Reporting and Data System (LI-RADS) Version 2018: Imaging of Hepatocellular Carcinoma in At-Risk Patients. Radiology, 2018, 289, 816-830.	7.3	634
4	Quantitative assessment of liver fat with magnetic resonance imaging and spectroscopy. Journal of Magnetic Resonance Imaging, 2011, 34, 729-749.	3.4	613
5	Decoding global gene expression programs in liver cancer by noninvasive imaging. Nature Biotechnology, 2007, 25, 675-680.	17.5	510
6	In vivo characterization of the liver fat ¹H MR spectrum. NMR in Biomedicine, 2011, 24, 784-790.	2.8	452
7	Utility of magnetic resonance imaging versus histology for quantifying changes in liver fat in nonalcoholic fatty liver disease trials. Hepatology, 2013, 58, 1930-1940.	7.3	434
8	CT and MR Imaging Diagnosis and Staging of Hepatocellular Carcinoma: Part II. Extracellular Agents, Hepatobiliary Agents, and Ancillary Imaging Features. Radiology, 2014, 273, 30-50.	7.3	430
9	Heritability of Nonalcoholic Fatty Liver Disease. Gastroenterology, 2009, 136, 1585-1592.	1.3	419
10	LIâ€RADS (Liver Imaging Reporting and Data System): Summary, discussion, and consensus of the LIâ€RADS Management Working Group and future directions. Hepatology, 2015, 61, 1056-1065.	7.3	412
11	Nonalcoholic Fatty Liver Disease: MR Imaging of Liver Proton Density Fat Fraction to Assess Hepatic Steatosis. Radiology, 2013, 267, 422-431.	7.3	410
12	CT and MR Imaging Diagnosis and Staging of Hepatocellular Carcinoma: Part I. Development, Growth, and Spread: Key Pathologic and Imaging Aspects. Radiology, 2014, 272, 635-654.	7.3	401
13	Magnetic resonance elastography predicts advanced fibrosis in patients with nonalcoholic fatty liver disease: A prospective study. Hepatology, 2014, 60, 1920-1928.	7.3	388
14	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
15	SAFETY Study: Alanine Aminotransferase Cutoff Values Are Set Too High for Reliable Detection of Pediatric Chronic Liver Disease. Gastroenterology, 2010, 138, 1357-1364.e2.	1.3	377
16	Fatty Liver: Imaging Patterns and Pitfalls. Radiographics, 2006, 26, 1637-1653.	3.3	362
17	Insulin resistance drives hepatic de novo lipogenesis in nonalcoholic fatty liver disease. Journal of Clinical Investigation, 2020, 130, 1453-1460.	8.2	362
18	CT and MR Imaging of Extrahepatic Fatty Masses of the Abdomen and Pelvis: Techniques, Diagnosis, Differential Diagnosis, and Pitfalls. Radiographics, 2005, 25, 69-85.	3.3	356

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19	Relaxation effects in the quantification of fat using gradient echo imaging. Magnetic Resonance Imaging, 2008, 26, 347-359.	1.8	356
20	Quantification of Hepatic Steatosis with T1-independent, T2*-corrected MR Imaging with Spectral Modeling of Fat: Blinded Comparison with MR Spectroscopy. Radiology, 2011, 258, 767-775.	7.3	345
21	Epidemiology of hepatocellular carcinoma: target population for surveillance and diagnosis. Abdominal Radiology, 2018, 43, 13-25.	2.1	338
22	Portal chronic inflammation in nonalcoholic fatty liver disease (NAFLD): A histologic marker of advanced NAFLD-Clinicopathologic correlations from the nonalcoholic steatohepatitis clinical research network. Hepatology, 2009, 49, 809-820.	7.3	335
23	Imaging for the diagnosis of hepatocellular carcinoma: A systematic review and metaâ€analysis. Hepatology, 2018, 67, 401-421.	7.3	329
24	Gadoxetate Disodiumâ€“Enhanced MRI of the Liver: Part 1, Protocol Optimization and Lesion Appearance in the Noncirrhotic Liver. American Journal of Roentgenology, 2010, 195, 13-28.	2.2	313
25	Noninvasive, Quantitative Assessment of Liver Fat by MRIâ€PDFF as an Endpoint in NASH Trials. Hepatology, 2018, 68, 763-772.	7.3	299
26	Ezetimibe for the treatment of nonalcoholic steatohepatitis: Assessment by novel magnetic resonance imaging and magnetic resonance elastography in a randomized trial (MOZART trial). Hepatology, 2015, 61, 1239-1250.	7.3	296
27	Nonalcoholic Fatty Liver Disease: Diagnostic and Fat-Grading Accuracy of Low-Flip-Angle Multiecho Gradient-Recalled-Echo MR Imaging at 1.5 T. Radiology, 2009, 251, 67-76.	7.3	287
28	Correlation between liver histology and novel magnetic resonance imaging in adult patients with nonâ€alcoholic fatty liver disease â€“ <scp>MRI</scp> accurately quantifies hepatic steatosis in <scp>NAFLD</scp>. Alimentary Pharmacology and Therapeutics, 2012, 36, 22-29.	3.7	285
29	A computed tomography radiogenomic biomarker predicts microvascular invasion and clinical outcomes in hepatocellular carcinoma. Hepatology, 2015, 62, 792-800.	7.3	276
30	MRI and MRE for non-invasive quantitative assessment of hepatic steatosis and fibrosis in NAFLD and NASH: Clinical trials to clinical practice. Journal of Hepatology, 2016, 65, 1006-1016.	3.7	275
31	Sitagliptin vs. placebo for non-alcoholic fatty liver disease: A randomized controlled trial. Journal of Hepatology, 2016, 65, 369-376.	3.7	264
32	Quantification of Liver Fat with Magnetic Resonance Imaging. Magnetic Resonance Imaging Clinics of North America, 2010, 18, 337-357.	1.1	260
33	Estimation of Hepatic Proton-Density Fat Fraction by Using MR Imaging at 3.0 T. Radiology, 2011, 258, 749-759.	7.3	259
34	Optimal threshold of controlled attenuation parameter with MRIâ€PDFF as the gold standard for the detection of hepatic steatosis. Hepatology, 2018, 67, 1348-1359.	7.3	250
35	Fatty Liver Disease: MR Imaging Techniques for the Detection and Quantification of Liver Steatosis. Radiographics, 2009, 29, 231-260.	3.3	246
36	cHCCâ€CCA: Consensus terminology for primary liver carcinomas with both hepatocytic and cholangiocytic differentation. Hepatology, 2018, 68, 113-126.	7.3	244

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37	Accuracy of MR Imagingâ€“estimated Proton Density Fat Fraction for Classification of Dichotomized Histologic Steatosis Grades in Nonalcoholic Fatty Liver Disease. Radiology, 2015, 274, 416-425.	7.3	239
38	Advances in pediatric nonalcoholic fatty liver disease. Hepatology, 2009, 50, 1282-1293.	7.3	235
39	Abdominal Wall Hernias: Imaging Features, Complications, and Diagnostic Pitfalls at Multiâ€“Detector Row CT. Radiographics, 2005, 25, 1501-1520.	3.3	230
40	Evidence Supporting LI-RADS Major Features for CT- and MR Imagingâ€“based Diagnosis of Hepatocellular Carcinoma: A Systematic Review. Radiology, 2018, 286, 29-48.	7.3	230
41	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
42	How to perform Contrast-Enhanced Ultrasound (CEUS). Ultrasound International Open, 2018, 04, E2-E15.	0.6	222
43	MR Imaging of Liver Fibrosis: Current State of the Art. Radiographics, 2009, 29, 1615-1635.	3.3	220
44	Effect of colesevelam on liver fat quantified by magnetic resonance in nonalcoholic steatohepatitis: A randomized controlled trial. Hepatology, 2012, 56, 922-932.	7.3	218
45	Quantitative Elastography Methods in Liver Disease: Current Evidence and Future Directions. Radiology, 2018, 286, 738-763.	7.3	215
46	CT Evaluation of Appendicitis and Its Complications: Imaging Techniques and Key Diagnostic Findings. American Journal of Roentgenology, 2005, 185, 406-417.	2.2	214
47	Pediatric Nonalcoholic Fatty Liver Disease. Journal of Pediatric Gastroenterology and Nutrition, 2006, 43, 413-427.	1.8	214
48	Agreement Between Magnetic Resonance Imaging Proton Density Fat Fraction Measurements and Pathologist-Assigned Steatosis Grades of Liver Biopsies From Adults With Nonalcoholic Steatohepatitis. Gastroenterology, 2017, 153, 753-761.	1.3	209
49	Quantification of liver iron with MRI: State of the art and remaining challenges. Journal of Magnetic Resonance Imaging, 2014, 40, 1003-1021.	3.4	208
50	Effect of PRESS and STEAM sequences on magnetic resonance spectroscopic liver fat quantification. Journal of Magnetic Resonance Imaging, 2009, 30, 145-152.	3.4	201
51	Noninvasive Diagnosis of Nonalcoholic Fatty Liver Disease andÂQuantification of Liver Fat Using a New Quantitative Ultrasound Technique. Clinical Gastroenterology and Hepatology, 2015, 13, 1337-1345.e6.	4.4	200
52	Gadoxetate Disodiumâ€“Enhanced MRI of the Liver: Part 2, Protocol Optimization and Lesion Appearance in the Cirrhotic Liver. American Journal of Roentgenology, 2010, 195, 29-41.	2.2	198
53	Magnetic resonance elastography for staging liver fibrosis in non-alcoholic fatty liver disease: a diagnostic accuracy systematic review and individual participant data pooled analysis. European Radiology, 2016, 26, 1431-1440.	4.5	195
54	T₁ independent, T₂[*] corrected chemical shift based fatâ€“water separation with multiâ€peak fat spectral modeling is an accurate and precise measure of hepatic steatosis. Journal of Magnetic Resonance Imaging, 2011, 33, 873-881.	3.4	183

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55	Disproportionate Fat Stranding: A Helpful CT Sign in Patients with Acute Abdominal Pain. Radiographics, 2004, 24, 703-715.	3.3	180
56	Cirrhosis-associated Hepatocellular Nodules: Correlation of Histopathologic and MR Imaging Features. Radiographics, 2008, 28, 747-769.	3.3	176
57	Liver Fibrosis: Noninvasive Diagnosis with Double Contrast Materialâ€“enhanced MR Imaging. Radiology, 2006, 239, 425-437.	7.3	172
58	Magnetic Resonance Imaging Quantification of Liver Iron. Magnetic Resonance Imaging Clinics of North America, 2010, 18, 359-381.	1.1	170
59	Nonâ€invasive screening of diabetics in primary care for NAFLD and advanced fibrosis by MRI and MRE. Alimentary Pharmacology and Therapeutics, 2016, 43, 83-95.	3.7	168
60	Magnetic resonance elastography is superior to acoustic radiation force impulse for the Diagnosis of fibrosis in patients with biopsyâ€proven nonalcoholic fatty liver disease: A prospective study. Hepatology, 2016, 63, 453-461.	7.3	168
61	Combination of complexâ€based and magnitudeâ€based multiecho waterâ€fat separation for accurate quantification of fatâ€fraction. Magnetic Resonance in Medicine, 2011, 66, 199-206.	3.0	166
62	Current status of imaging in nonalcoholic fatty liver disease. World Journal of Hepatology, 2018, 10, 530-542.	2.0	166
63	Ultrasound Elastography and MR Elastography for Assessing Liver Fibrosis: Part 2, Diagnostic Performance, Confounders, and Future Directions. American Journal of Roentgenology, 2015, 205, 33-40.	2.2	164
64	Liver fat imagingâ€”a clinical overview of ultrasound, CT, and MR imaging. British Journal of Radiology, 2018, 91, 20170959.	2.2	164
65	Comparative 13-year meta-analysis of the sensitivity and positive predictive value of ultrasound, CT, and MRI for detecting hepatocellular carcinoma. Abdominal Radiology, 2016, 41, 71-90.	2.1	163
66	Effect of a Low Free Sugar Diet vs Usual Diet on Nonalcoholic Fatty Liver Disease in Adolescent Boys. JAMA - Journal of the American Medical Association, 2019, 321, 256.	7.4	163
67	Novel 3D Magnetic Resonance Elastography for the Noninvasive Diagnosis of Advanced Fibrosis in NAFLD: A Prospective Study. American Journal of Gastroenterology, 2016, 111, 986-994.	0.4	160
68	Ultrasound Elastography and MR Elastography for Assessing Liver Fibrosis: Part 1, Principles and Techniques. American Journal of Roentgenology, 2015, 205, 22-32.	2.2	159
69	Longitudinal correlations between MRE, MRI-PDFF, and liver histology in patients with non-alcoholic steatohepatitis: Analysis of data from a phase II trial of selonsertib. Journal of Hepatology, 2019, 70, 133-141.	3.7	149
70	CEUS LI-RADS: algorithm, implementation, and key differences from CT/MRI. Abdominal Radiology, 2018, 43, 127-142.	2.1	147
71	Whole-Body CT Screening: Spectrum of Findings and Recommendations in 1192 Patients. Radiology, 2005, 237, 385-394.	7.3	146
72	MR Contrast Agents for Liver Imaging: What, When, How. Radiographics, 2006, 26, 1621-1636.	3.3	144

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73	Radiogenomic Analysis to Identify Imaging Phenotypes Associated with Drug Response Gene Expression Programs in Hepatocellular Carcinoma. Journal of Vascular and Interventional Radiology, 2007, 18, 821-830.	0.5	144
74	Blunt Abdominal Trauma: Screening US in 2,693 Patients. Radiology, 2001, 218, 352-358.	7.3	142
75	Link between gutâ€microbiome derived metabolite and shared geneâ€effects with hepatic steatosis and fibrosis in NAFLD. Hepatology, 2018, 68, 918-932.	7.3	141
76	Association of Coronary Artery and Aortic Calcium With Lumbar Bone Density: The MESA Abdominal Aortic Calcium Study. American Journal of Epidemiology, 2008, 169, 186-194.	3.4	140
77	Magnetic resonance imaging and liver histology as biomarkers of hepatic steatosis in children with nonalcoholic fatty liver disease. Hepatology, 2015, 61, 1887-1895.	7.3	138
78	Nonalcoholic fatty liver disease with cirrhosis increases familial risk for advanced fibrosis. Journal of Clinical Investigation, 2017, 127, 2697-2704.	8.2	137
79	Chronic thromboembolism: diagnosis with helical CT and MR imaging with angiographic and surgical correlation.. Radiology, 1997, 204, 695-702.	7.3	136
80	Protection from liver fibrosis by a peroxisome proliferator-activated receptor Î´ agonist. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1369-76.	7.1	136
81	Quality of life in adults with nonalcoholic fatty liver disease: Baseline data from the nonalcoholic steatohepatitis clinical research network. Hepatology, 2009, 49, 1904-1912.	7.3	133
82	Reproducibility of MRIâ€determined proton density fat fraction across two different MR scanner platforms. Journal of Magnetic Resonance Imaging, 2011, 34, 928-934.	3.4	130
83	Prevalence of Nonalcoholic Fatty Liver Disease in Children with Obesity. Journal of Pediatrics, 2019, 207, 64-70.	1.8	130
84	Noninvasive Assessment of Hepatic Steatosis. Clinical Gastroenterology and Hepatology, 2009, 7, 135-140.	4.4	129
85	Effect of Weight Loss on Magnetic Resonance Imaging Estimation of Liver Fat and Volume in Patients With Nonalcoholic Steatohepatitis. Clinical Gastroenterology and Hepatology, 2015, 13, 561-568.e1.	4.4	128
86	Comparative diagnostic accuracy of magnetic resonance elastography vs. eight clinical prediction rules for nonâ€invasive diagnosis of advanced fibrosis in biopsyâ€proven nonâ€alcoholic fatty liver disease: a prospective study. Alimentary Pharmacology and Therapeutics, 2015, 41, 1271-1280.	3.7	125
87	Review article: epidemiology, pathogenesis and potential treatments of paediatric nonâ€alcoholic fatty liver disease. Alimentary Pharmacology and Therapeutics, 2008, 28, 13-24.	3.7	124
88	Association of noninvasive quantitative decline in liver fat content on MRI with histologic response in nonalcoholic steatohepatitis. Therapeutic Advances in Gastroenterology, 2016, 9, 692-701.	3.2	123
89	Diagnostic Challenges and Pitfalls in MR Imaging with Hepatocyte-specific Contrast Agents. Radiographics, 2011, 31, 1547-1568.	3.3	116
90	A Pilot Comparative Study of Quantitative Ultrasound, Conventional Ultrasound, and MRI for Predicting Histology-Determined Steatosis Grade in Adult Nonalcoholic Fatty Liver Disease. American Journal of Roentgenology, 2017, 208, W168-W177.	2.2	113

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91	Hepatocellular carcinoma detection: diagnostic performance of a simulated abbreviated MRI protocol combining diffusion-weighted and T1-weighted imaging at the delayed phase post gadoxetic acid. Abdominal Radiology, 2017, 42, 179-190.	2.1	113
92	Diagnostic accuracy of magnetic resonance imaging hepatic proton density fat fraction in pediatric nonalcoholic fatty liver disease. Hepatology, 2018, 67, 858-872.	7.3	112
93	Carotid Arteries: Contrast-enhanced US Angiographyâ€"Preliminary Clinical Experience. Radiology, 2004, 230, 561-568.	7.3	107
94	Evidence and Recommendations for Imaging Liver Fat in Children, Based on Systematic Review. Clinical Gastroenterology and Hepatology, 2014, 12, 765-773.	4.4	106
95	Shell Osteochondral Allografts of the Knee: Comparison of MR Imaging Findings and Immunologic Responses. Radiology, 2001, 219, 35-43.	7.3	105
96	Cross-sectional Imaging of Extranodal Involvement in Abdominopelvic Lymphoproliferative Malignancies. Radiographics, 2007, 27, 1613-1634.	3.3	105
97	Diagnostic Per-Patient Accuracy of an Abbreviated Hepatobiliary Phase Gadoxetic Acidâ€"Enhanced MRI for Hepatocellular Carcinoma Surveillance. American Journal of Roentgenology, 2015, 204, 527-535.	2.2	105
98	Hepatobiliary agents and their role in LI-RADS. Abdominal Imaging, 2015, 40, 613-625.	2.0	105
99	Association between novel <scp>MRI</scp>â€estimated pancreatic fat and liver histologyâ€determined steatosis and fibrosis in nonâ€alcoholic fatty liver disease. Alimentary Pharmacology and Therapeutics, 2013, 37, 630-639.	3.7	104
100	Magnetic resonance elastography measured shear stiffness as a biomarker of fibrosis in pediatric nonalcoholic fatty liver disease. Hepatology, 2017, 66, 1474-1485.	7.3	103
101	Multisite, multivendor validation of the accuracy and reproducibility of proton-density fat-fraction quantification at 1.5T and 3T using a fat-water phantom. Magnetic Resonance in Medicine, 2017, 77, 1516-1524.	3.0	99
102	Imaging Features of Perivascular Fatty Infiltration of the Liver: Initial Observations. Radiology, 2005, 237, 159-169.	7.3	98
103	Hepatic Fat Quantification. Investigative Radiology, 2012, 47, 368-375.	6.2	98
104	Repeatability of MR Elastography of Liver: A Meta-Analysis. Radiology, 2017, 285, 92-100.	7.3	96
105	Contrast-enhanced ultrasound (CEUS) liver imaging reporting and data system (LI-RADS) 2017 â€" a review of important differences compared to the CT/MRI system. Clinical and Molecular Hepatology, 2017, 23, 280-289.	8.9	96
106	Hypotensive Patients with Blunt Abdominal Trauma: Performance of Screening US. Radiology, 2005, 235, 436-443.	7.3	93
107	LI-RADS: a conceptual and historical review from its beginning to its recent integration into AASLD clinical practice guidance . Journal of Hepatocellular Carcinoma, 2019, Volume 6, 49-69.	3.7	93
108	Blunt Abdominal Trauma: Clinical Value of Negative Screening US Scans. Radiology, 2004, 230, 661-668.	7.3	89

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109	Consensus report from the 7th International Forum for Liver Magnetic Resonance Imaging. European Radiology, 2016, 26, 674-682.	4.5	86
110	Spatial distribution of MRI-determined hepatic proton density fat fraction in adults with nonalcoholic fatty liver disease. Journal of Magnetic Resonance Imaging, 2014, 39, 1525-1532.	3.4	85
111	Association Between Quantity of Liver Fat and Cardiovascular Risk in Patients With Nonalcoholic Fatty Liver Disease Independent of Nonalcoholic Steatohepatitis. Clinical Gastroenterology and Hepatology, 2015, 13, 1513-1520.e1.	4.4	85
112	Imaging Outcomes of Liver Imaging Reporting and Data System Version 2014 Category 2, 3, and 4 Observations Detected at CT and MR Imaging. Radiology, 2016, 281, 129-139.	7.3	85
113	Interreader Reliability of LI-RADS Version 2014 Algorithm and Imaging Features for Diagnosis of Hepatocellular Carcinoma: A Large International Multireader Study. Radiology, 2018, 286, 173-185.	7.3	84
114	LI-RADS Version 2018 Ancillary Features at MRI. Radiographics, 2018, 38, 1973-2001.	3.3	83
115	CT appearance of the normal appendix in adults. European Radiology, 2005, 15, 2096-2103.	4.5	81
116	Optimal phased-array combination for spectroscopy. Magnetic Resonance Imaging, 2008, 26, 847-850.	1.8	81
117	Sebelipase alfa over 52weeks reduces serum transaminases, liver volume and improves serum lipids in patients with lysosomal acid lipase deficiency. Journal of Hepatology, 2014, 61, 1135-1142.	3.7	81
118	Noninvasive Diagnosis of Nonalcoholic Fatty Liver Disease and Quantification of Liver Fat with Radiofrequency Ultrasound Data Using One-dimensional Convolutional Neural Networks. Radiology, 2020, 295, 342-350.	7.3	79
119	Cisterna Chyli at Routine Abdominal MR Imaging: A Normal Anatomic Structure in the Retrocrural Space. Radiographics, 2004, 24, 809-817.	3.3	76
120	Focal hepatic lesions in Gd-EOB-DTPA enhanced MRI: the atlas. Insights Into Imaging, 2012, 3, 451-474.	3.4	69
121	Predictors of Patient Response to Pulmonary Thromboendarterectomy. American Journal of Roentgenology, 2000, 174, 509-515.	2.2	68
122	Reproducibility of hepatic fat fraction measurement by magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2013, 37, 1359-1370.	3.4	68
123	Reproducibility of MRâ€based liver fat quantification across field strength: Sameâ€day comparison between 1.5T and 3T in obese subjects. Journal of Magnetic Resonance Imaging, 2015, 42, 811-817.	3.4	67
124	Shared genetic effects between hepatic steatosis and fibrosis: A prospective twin study. Hepatology, 2016, 64, 1547-1558.	7.3	64
125	Diagnostic per-lesion performance of a simulated gadoxetate disodium-enhanced abbreviated MRI protocol for hepatocellular carcinoma screening. Clinical Radiology, 2018, 73, 485-493.	1.1	63
126	Imaging-Based Diagnostic Systems for Hepatocellular Carcinoma. American Journal of Roentgenology, 2013, 201, 41-55.	2.2	61

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127	Adaptive local window for level set segmentation of CT and MRI liver lesions. Medical Image Analysis, 2017, 37, 46-55.	11.6	59
128	Double-Contrast MRI for Accurate Staging of Hepatocellular Carcinoma in Patients with Cirrhosis. American Journal of Roentgenology, 2008, 190, 47-57.	2.2	58
129	Gadolinium-DTPA-dextran: A macromolecular MR blood pool contrast agent1. Academic Radiology, 2004, 11, 1361-1369.	2.5	57
130	Indeterminate Observations (Liver Imaging Reporting and Data System Category 3) on MRI in the Cirrhotic Liver: Fate and Clinical Implications. American Journal of Roentgenology, 2013, 201, 993-1001.	2.2	57
131	Intra- and inter-examination repeatability of magnetic resonance spectroscopy, magnitude-based MRI, and complex-based MRI for estimation of hepatic proton density fat fraction in overweight and obese children and adults. Abdominal Imaging, 2015, 40, 3070-3077.	2.0	57
132	Associations between histologic features of nonalcoholic fatty liver disease (NAFLD) and quantitative diffusionâ€weighted MRI measurements in adults. Journal of Magnetic Resonance Imaging, 2015, 41, 1629-1638.	3.4	57
133	Clinical Utility of an Increase in Magnetic Resonance Elastography in Predicting Fibrosis Progression in Nonalcoholic Fatty Liver Disease. Hepatology, 2020, 71, 849-860.	7.3	57
134	Assessment of Hepatic Steatosis in Nonalcoholic Fatty Liver Disease by Using Quantitative US. Radiology, 2020, 295, 106-113.	7.3	57
135	Screening Sonography in Pregnant Patients With Blunt Abdominal Trauma. Journal of Ultrasound in Medicine, 2005, 24, 175-181.	1.7	56
136	Ovarian imaging by magnetic resonance in obese adolescent girls with polycystic ovary syndrome: a pilot study. Fertility and Sterility, 2005, 84, 985-995.	1.0	56
137	White paper of the Society of Abdominal Radiology hepatocellular carcinoma diagnosis disease-focused panel on LI-RADS v2018 for CT and MRI. Abdominal Radiology, 2018, 43, 2625-2642.	2.1	56
138	Liver Imaging Reporting and Data System Category 5: MRI Predictors of Microvascular Invasion and Recurrence After Hepatectomy for Hepatocellular Carcinoma. American Journal of Roentgenology, 2019, 213, 821-830.	2.2	56
139	Consensus report from the 8th International Forum for Liver Magnetic Resonance Imaging. European Radiology, 2020, 30, 370-382.	4.5	55
140	Liver fibrosis imaging: A clinical review of ultrasound and magnetic resonance elastography. Journal of Magnetic Resonance Imaging, 2020, 51, 25-42.	3.4	53
141	Accuracy and the effect of possible subjectâ€based confounders of magnitudeâ€based MRI for estimating hepatic proton density fat fraction in adults, using MR spectroscopy as reference. Journal of Magnetic Resonance Imaging, 2016, 43, 398-406.	3.4	52
142	Noninvasive classification of hepatic fibrosis based on texture parameters from double contrastâ€enhanced magnetic resonance images. Journal of Magnetic Resonance Imaging, 2012, 36, 1154-1161.	3.4	51
143	Does the Functional Liver Imaging Score Derived from Gadoxetic Acidâ€“enhanced MRI Predict Outcomes in Chronic Liver Disease?. Radiology, 2020, 294, 98-107.	7.3	51
144	Acetaminophen Pharmacokinetics in Children With Nonalcoholic Fatty Liver Disease. Journal of Pediatric Gastroenterology and Nutrition, 2011, 52, 198-202.	1.8	50

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145	Bone mineral density and atherosclerosis: The Multi-Ethnic Study of Atherosclerosis, Abdominal Aortic Calcium Study. Atherosclerosis, 2010, 209, 283-289.	0.8	49
146	Serum metabolites detect the presence of advanced fibrosis in derivation and validation cohorts of patients with non-alcoholic fatty liver disease. Gut, 2019, 68, 1884-1892.	12.1	48
147	Inter-examination precision of magnitude-based MRI for estimation of segmental hepatic proton density fat fraction in obese subjects. Journal of Magnetic Resonance Imaging, 2014, 39, 1265-1271.	3.4	47
148	Hepatocellular carcinoma imaging systems: why they exist, how they have evolved, and how they differ. Abdominal Radiology, 2018, 43, 3-12.	2.1	47
149	US of Blunt Abdominal Trauma: Importance of Free Pelvic Fluid in Women of Reproductive Age. Radiology, 2001, 219, 229-235.	7.3	46
150	Application of Modified Spin-Echoâ€“based Sequences for Hepatic MR Elastography: Evaluation, Comparison with the Conventional Gradient-Echo Sequence, and Preliminary Clinical Experience. Radiology, 2017, 282, 390-398.	7.3	46
151	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.	7.3	46
152	Liver Imaging Reporting and Data System: an expert consensus statement. Journal of Hepatocellular Carcinoma, 2017, Volume 4, 29-39.	3.7	46
153	How bariatric surgery affects liver volume and fat density in NAFLD patients. Surgical Endoscopy and Other Interventional Techniques, 2018, 32, 1675-1682.	2.4	46
154	Role of US LI-RADS in the LI-RADS Algorithm. Radiographics, 2019, 39, 690-708.	3.3	45
155	Hepatocellular carcinoma detection in liver cirrhosis: diagnostic performance of contrast-enhanced CT vs. MRI with extracellular contrast vs. gadoxetic acid. European Radiology, 2020, 30, 1020-1030.	4.5	45
156	Lower serum hepcidin and greater parenchymal iron in nonalcoholic fatty liver disease patients with C282YHFEmutations. Hepatology, 2012, 56, 1730-1740.	7.3	44
157	In vivo triglyceride composition of abdominal adipose tissue measured by ¹H MRS at 3T. Journal of Magnetic Resonance Imaging, 2017, 45, 1455-1463.	3.4	44
158	Contrast-enhanced B-mode US angiography in the assessment of experimental in vivo and in vitro atherosclerotic disease. Academic Radiology, 2001, 8, 162-172.	2.5	43
159	Importance of evaluating organ parenchyma during screening abdominal ultrasonography after blunt trauma.. Journal of Ultrasound in Medicine, 2001, 20, 577-583.	1.7	43
160	Chest Radiography with a Flat-Panel Detector: Image Quality with Dose Reduction after Copper Filtration. Radiology, 2005, 237, 691-700.	7.3	43
161	Assessment of liver fat quantification in the presence of iron. Magnetic Resonance Imaging, 2010, 28, 767-776.	1.8	43
162	Effect of flip angle on the accuracy and repeatability of hepatic proton density fat fraction estimation by complex dataâ€based, T1â€independent, T2*â€corrected, spectrumâ€modeled MRI. Journal of Magnetic Resonance Imaging, 2014, 39, 440-447.	3.4	43

#	Article	IF	Citations
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