

Meng Yin

List of Publications by Year in descending order

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97
papers

7,576
citations

76326

40
h-index

53230

85
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98
all docs

98
docs citations

98
times ranked

5764
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Hepatic Fibrosis With Magnetic Resonance Elastography. <i>Clinical Gastroenterology and Hepatology</i> , 2007, 5, 1207-1213.e2.	4.4	863
2	Magnetic resonance elastography of liver: Technique, analysis, and clinical applications. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 544-555.	3.4	511
3	Diagnostic Performance of Magnetic Resonance Elastography in Staging Liver Fibrosis: A Systematic Review and Meta-analysis of Individual Participant Data. <i>Clinical Gastroenterology and Hepatology</i> , 2015, 13, 440-451.e6.	4.4	427
4	MR Elastography of the Liver: Preliminary Results. <i>Radiology</i> , 2006, 240, 440-448.	7.3	400
5	Early Detection of Nonalcoholic Steatohepatitis in Patients with Nonalcoholic Fatty Liver Disease by Using MR Elastography. <i>Radiology</i> , 2011, 259, 749-756.	7.3	372
6	Ezetimibe for the treatment of nonalcoholic steatohepatitis: Assessment by novel magnetic resonance imaging and magnetic resonance elastography in a randomized trial (MOZART trial). <i>Hepatology</i> , 2015, 61, 1239-1250.	7.3	296
7	Magnetic resonance imaging of hepatic fibrosis: Emerging clinical applications. <i>Hepatology</i> , 2008, 47, 332-342.	7.3	278
8	MR Elastography of Liver Tumors: Preliminary Results. <i>American Journal of Roentgenology</i> , 2008, 190, 1534-1540.	2.2	267
9	Magnetic Resonance vs Transient Elastography Analysis of Patients With Nonalcoholic Fatty Liver Disease: A Systematic Review and Pooled Analysis of Individual Participants. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 630-637.e8.	4.4	254
10	Hepatocytes release ceramide-enriched pro-inflammatory extracellular vesicles in an IRE1 β -dependent manner. <i>Journal of Lipid Research</i> , 2016, 57, 233-245.	4.2	230
11	Hepatic MR Elastography: Clinical Performance in a Series of 1377 Consecutive Examinations. <i>Radiology</i> , 2016, 278, 114-124.	7.3	228
12	Magnetic resonance elastography for staging liver fibrosis in non-alcoholic fatty liver disease: a diagnostic accuracy systematic review and individual participant data pooled analysis. <i>European Radiology</i> , 2016, 26, 1431-1440.	4.5	195
13	Feasibility of In Vivo MR Elastographic Splenic Stiffness Measurements in the Assessment of Portal Hypertension. <i>American Journal of Roentgenology</i> , 2009, 193, 122-127.	2.2	185
14	Novel 3D Magnetic Resonance Elastography for the Noninvasive Diagnosis of Advanced Fibrosis in NAFLD: A Prospective Study. <i>American Journal of Gastroenterology</i> , 2016, 111, 986-994.	0.4	160
15	Chronic passive venous congestion drives hepatic fibrogenesis via sinusoidal thrombosis and mechanical forces. <i>Hepatology</i> , 2015, 61, 648-659.	7.3	145
16	Diagnostic Performance of MR Elastography and Vibration-controlled Transient Elastography in the Detection of Hepatic Fibrosis in Patients with Severe to Morbid Obesity. <i>Radiology</i> , 2017, 283, 418-428.	7.3	140
17	Noninvasive In Vivo Assessment of Renal Tissue Elasticity During Graded Renal Ischemia Using MR Elastography. <i>Investigative Radiology</i> , 2011, 46, 509-514.	6.2	119
18	Test-retest repeatability of MR elastography for noninvasive liver fibrosis assessment in hepatitis C. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 947-955.	3.4	118

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19	<i>Neuropilin-1</i> Stimulates Tumor Growth by Increasing Fibronectin Fibril Assembly in the Tumor Microenvironment. <i>Cancer Research</i> , 2012, 72, 4047-4059.	0.9	117
20	Distinguishing between Hepatic Inflammation and Fibrosis with MR Elastography. <i>Radiology</i> , 2017, 284, 694-705.	7.3	117
21	Quantitative assessment of hepatic fibrosis in an animal model with magnetic resonance elastography. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 346-353.	3.0	112
22	Dynamic Postprandial Hepatic Stiffness Augmentation Assessed With MR Elastography in Patients With Chronic Liver Disease. <i>American Journal of Roentgenology</i> , 2011, 197, 64-70.	2.2	110
23	Magnetic resonance elastography measured shear stiffness as a biomarker of fibrosis in pediatric nonalcoholic fatty liver disease. <i>Hepatology</i> , 2017, 66, 1474-1485.	7.3	103
24	Portal hypertension correlates with splenic stiffness as measured with MR elastography. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 79-87.	3.4	100
25	Magnetic Resonance Elastography of Liver. <i>Topics in Magnetic Resonance Imaging</i> , 2018, 27, 319-333.	1.2	92
26	Bias Observed in Time-of-Flight Shear Wave Speed Measurements Using Radiation Force of a Focused Ultrasound Beam. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 1884-1892.	1.5	88
27	MR Elastography in Renal Transplant Patients and Correlation with Renal Allograft Biopsy. <i>Academic Radiology</i> , 2012, 19, 834-841.	2.5	87
28	Non-invasive detection of liver fibrosis: MR imaging features vs. MR elastography. <i>Abdominal Imaging</i> , 2015, 40, 766-775.	2.0	86
29	Magnetic Resonance Elastography of Liver. <i>Journal of Computer Assisted Tomography</i> , 2013, 37, 887-896.	0.9	74
30	Abdominal Magnetic Resonance Elastography. <i>Topics in Magnetic Resonance Imaging</i> , 2009, 20, 79-87.	1.2	69
31	The Role of Three-dimensional Magnetic Resonance Elastography in the Diagnosis of Nonalcoholic Steatohepatitis in Obese Patients Undergoing Bariatric Surgery. <i>Hepatology</i> , 2020, 71, 510-521.	7.3	65
32	Cross-vendor validation of liver magnetic resonance elastography. <i>Abdominal Imaging</i> , 2015, 40, 789-794.	2.0	62
33	Liver Stiffness by Magnetic Resonance Elastography Predicts Future Cirrhosis, Decompensation, and Death in NAFLD. <i>Clinical Gastroenterology and Hepatology</i> , 2021, 19, 1915-1924.e6.	4.4	57
34	MR elastography of liver: current status and future perspectives. <i>Abdominal Radiology</i> , 2020, 45, 3444-3462.	2.1	56
35	Automated liver stiffness measurements with magnetic resonance elastography. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 371-379.	3.4	52
36	Magnetic resonance elastography is accurate in detecting advanced fibrosis in autoimmune hepatitis. <i>World Journal of Gastroenterology</i> , 2017, 23, 859.	3.3	51

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37	Hepatic and splenic stiffness augmentation assessed with MR elastography in an in vivo porcine portal hypertension model. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 809-815.	3.4	49
38	3D MR Elastography of Hepatocellular Carcinomas as a Potential Biomarker for Predicting Tumor Recurrence. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 719-730.	3.4	48
39	Pediatric MR elastography of hepatic fibrosis: principles, technique and early clinical experience. <i>Pediatric Radiology</i> , 2012, 42, 402-409.	2.0	47
40	Association Between Obesity and Discordance in Fibrosis Stage Determination by Magnetic Resonance vs Transient Elastography in Patients With Nonalcoholic Liver Disease. <i>Clinical Gastroenterology and Hepatology</i> , 2018, 16, 1974-1982.e7.	4.4	46
41	Characterization of Cellular Sources and Circulating Levels of Extracellular Vesicles in a Dietary Murine Model of Nonalcoholic Steatohepatitis. <i>Hepatology Communications</i> , 2019, 3, 1235-1249.	4.3	40
42	Prediction of nonalcoholic fatty liver disease (NAFLD) activity score (NAS) with multiparametric hepatic magnetic resonance imaging and elastography. <i>European Radiology</i> , 2019, 29, 5823-5831.	4.5	40
43	Diffraction-biased shear wave fields generated with longitudinal magnetic resonance elastography drivers. <i>Magnetic Resonance Imaging</i> , 2008, 26, 770-780.	1.8	35
44	Repeatability and reproducibility of 2D and 3D hepatic MR elastography with rigid and flexible drivers at end-expiration and end-inspiration in healthy volunteers. <i>Abdominal Radiology</i> , 2017, 42, 2843-2854.	2.1	34
45	Ultrasound or MR elastography of liver: which one shall I use?. <i>Abdominal Radiology</i> , 2018, 43, 1546-1551.	2.1	34
46	High-frequency mode conversion technique for stiff lesion detection with magnetic resonance elastography (MRE). <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1457-1465.	3.0	29
47	Assessment of advanced hepatic MR elastography methods for susceptibility artifact suppression in clinical patients. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 976-987.	3.4	28
48	Multiparametric Magnetic Resonance Elastography Improves the Detection of NASH Regression Following Bariatric Surgery. <i>Hepatology Communications</i> , 2020, 4, 185-192.	4.3	26
49	Magnetic resonance elastography for prediction of long-term progression and outcome in chronic liver disease: A retrospective study. <i>Hepatology</i> , 2022, 75, 379-390.	7.3	26
50	Normal range for MR elastography measured liver stiffness in children without liver disease. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 919-927.	3.4	23
51	Liver stiffness measurement by magnetic resonance elastography is not associated with developing hepatocellular carcinoma in subjects with compensated cirrhosis. <i>Alimentary Pharmacology and Therapeutics</i> , 2011, 34, 83-91.	3.7	21
52	Assessment of stiffness changes in the ex vivo porcine aortic wall using magnetic resonance elastography. <i>Magnetic Resonance Imaging</i> , 2012, 30, 122-127.	1.8	20
53	Advances in Magnetic Resonance Elastography of Liver. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2020, 28, 331-340.	1.1	19
54	MR elastography of liver disease: State of the art. , 0, , 5-12.		17

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55	MR elastography of the human abdominal aorta: A preliminary study. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1549-1553.	3.4	16
56	Chronic Phenotype Characterization of a Large-Animal Model of Hereditary Tyrosinemia Type 1. <i>American Journal of Pathology</i> , 2017, 187, 33-41.	3.8	16
57	Automated Analysis of Multiparametric Magnetic Resonance Imaging/Magnetic Resonance Elastography Exams for Prediction of Nonalcoholic Steatohepatitis. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 122-131.	3.4	16
58	Change in serial liver stiffness measurement by magnetic resonance elastography and outcomes in NAFLD. <i>Hepatology</i> , 2023, 77, 268-274.	7.3	16
59	Using MR elastography to assess portal hypertension and response to beta-blockers in patients with cirrhosis. <i>Liver International</i> , 2021, 41, 2149-2158.	3.9	15
60	Stiffness is associated with hepatic stellate cell heterogeneity during liver fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, G234-G246.	3.4	15
61	The Role of Magnetic Resonance Elastography in the Diagnosis of Noncirrhotic Portal Hypertension. <i>Clinical Gastroenterology and Hepatology</i> , 2020, 18, 3051-3053.e2.	4.4	14
62	Comparison of the diagnostic performance of 2D and 3D MR elastography in staging liver fibrosis. <i>European Radiology</i> , 2021, 31, 9468-9478.	4.5	13
63	MR Elastography of Liver Disease: State of the Art. <i>Applied Radiology</i> , 2013, 42, 5-12.	0.1	13
64	Evaluation of MR elastography for prediction of lymph node metastasis in prostate cancer. <i>Abdominal Radiology</i> , 2021, 46, 3387-3400.	2.1	12
65	MR elastography in nonalcoholic fatty liver disease: inter-center and inter-analysis-method measurement reproducibility and accuracy at 3T. <i>European Radiology</i> , 2022, 32, 2937-2948.	4.5	12
66	Liver stiffness measurement by magnetic resonance elastography is not affected by hepatic steatosis. <i>European Radiology</i> , 2022, 32, 950-958.	4.5	11
67	MR Elastography-Based Shear Strain Mapping for Assessment of Microvascular Invasion in Hepatocellular Carcinoma. <i>European Radiology</i> , 2022, 32, 5024-5032.	4.5	11
68	New and Emerging Applications of Magnetic Resonance Elastography of Other Abdominal Organs. <i>Topics in Magnetic Resonance Imaging</i> , 2018, 27, 335-352.	1.2	10
69	Normative Pancreatic Stiffness Levels and Related Influences Established by Magnetic Resonance Elastography in Volunteers. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 448-458.	3.4	10
70	MR elastography as a biomarker for prediction of early and late recurrence in HBV-related hepatocellular carcinoma patients before hepatectomy. <i>European Journal of Radiology</i> , 2022, 152, 110340.	2.6	10
71	Magnetic Resonance Elastography for Liver Fibrosis in Methotrexate Treatment. <i>Open Journal of Rheumatology and Autoimmune Diseases</i> , 2012, 02, 6-13.	0.2	9
72	MR Elastography of the Abdomen: Basic Concepts. <i>Methods in Molecular Biology</i> , 2021, 2216, 301-323.	0.9	9

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73	Quantification of regional aortic stiffness using MR elastography: A phantom and ex-vivo porcine aorta study. <i>Magnetic Resonance Imaging</i> , 2016, 34, 91-96.	1.8	7
74	Association between Visceral Adipose Tissue and Non-Alcoholic Steatohepatitis Histology in Patients with Known or Suspected Non-Alcoholic Fatty Liver Disease. <i>Journal of Clinical Medicine</i> , 2021, 10, 2565.	2.4	7
75	Static and dynamic liver stiffness: An ex vivo porcine liver study using MR elastography. <i>Magnetic Resonance Imaging</i> , 2017, 44, 92-95.	1.8	7
76	Ultrasound Shear Wave Elastography as a Measure of Porcine Hepatic Disease in Right Heart Dysfunction: A Pilot Study. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2393-2399.	1.5	6
77	Magnetic resonance elastography biomarkers for detection of histologic alterations in nonalcoholic fatty liver disease in the absence of fibrosis. <i>European Radiology</i> , 2021, 31, 8408-8419.	4.5	6
78	Assessment of Hepatic Fibrosis by Magnetic Resonance Elastography in Patients With Sclerosing Cholangitis. <i>Gastroenterology</i> , 2011, 140, S-919.	1.3	5
79	Magnetic resonance elastography of liver: Technique, analysis, and clinical applications. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, spcone.	3.4	5
80	Longitudinal Changes in MR Elastography-based Biomarkers in Obese Patients Treated with Bariatric Surgery. <i>Clinical Gastroenterology and Hepatology</i> , 2023, 21, 220-222.e3.	4.4	5
81	Evaluation of a PEGylated Fibroblast Growth Factor 21 Variant Using Novel Preclinical Magnetic Resonance Imaging and Magnetic Resonance Elastography in a Mouse Model of Nonalcoholic Steatohepatitis. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 712-724.	3.4	4
82	Feasibility and Reproducibility of Multifrequency Magnetic Resonance Elastography in Healthy and Diseased Pancreases. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1769-1780.	3.4	4
83	Quantitative assessment of portal hypertension with bi-parametric dual-frequency hepatic MR elastography in mouse models. <i>European Radiology</i> , 2021, 31, 2303-2311.	4.5	3
84	Diagnostic accuracy of 3D magnetic resonance elastography for assessing histologic grade of hepatocellular carcinoma: comparison of three methods for positioning region of interest. <i>Abdominal Radiology</i> , 2021, 46, 4601-4609.	2.1	3
85	Multiparametric magnetic resonance imaging/magnetic resonance elastography assesses progression and regression of steatosis, inflammation, and fibrosis in alcohol-associated liver disease. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 2103-2117.	2.4	3
86	MR Elastography of the Abdomen: Experimental Protocols. <i>Methods in Molecular Biology</i> , 2021, 2216, 519-546.	0.9	3
87	Stable automated segmentation of liver MR elastography images for clinical stiffness measurement. <i>Proceedings of SPIE</i> , 2013, 8672, .	0.8	2
88	Normal Liver Stiffness Values in Children Are the Same as in Adults. <i>Radiology</i> , 2020, 297, 670-671.	7.3	2
89	Magnetic Resonance Elastography of Other Organs. , 2014, , 119-133.		2
90	Liver Magnetic Resonance Elastography Technique. , 2014, , 19-37.		2

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91	<title>Software implementation of PACS viewer: the use of COM technology</title>. , 2002, , .		1
92	Shear wave speed measurements using ultrasound radiation force can be depth dependent. , 2011, , .		1
93	Magnetic resonance elastography of the prostate in patients with lower urinary tract symptoms: feasibility of the modified driver at high multi-frequencies. Abdominal Radiology, 2022, 47, 399-408.	2.1	1
94	Liver Fibrosis: Counterpointâ€™MR Elastography Is the Noninvasive Imaging Modality of Choice for Detecting and Staging Liver Fibrosis. American Journal of Roentgenology, 2022, 219, 384-385.	2.2	1
95	<title>3D visualization of biomedical CT images based on OpenGL and VRML techniques</title>. , 2002, , .		0
96	Medical visualization based on VRML technology and its application. , 2003, 4964, 151.		0
97	Imaging mechanical properties of hepatic tissue by magnetic resonance elastography. , 2006, , .		0