Rajarshi Banerjee

List of Publications by Year
in descending order

94 papers	4,024 citations	172386 29 h-index	128225 60 g-index
104 all docs	104 docs citations	104 times ranked	5749 citing authors

#	Article	IF	Citations
1	Multiparametric magnetic resonance for the non-invasive diagnosis of liver disease. Journal of Hepatology, 2014, 60, 69-77.	1.8	367
2	Multiorgan impairment in low-risk individuals with post-COVID-19 syndrome: a prospective, community-based study. BMJ Open, 2021, 11, e048391.	0.8	341
3	Myocardial Tissue Characterization Using Magnetic Resonance Noncontrast T1 Mapping in Hypertrophic and Dilated Cardiomyopathy. Circulation: Cardiovascular Imaging, 2012, 5, 726-733.	1.3	286
4	Normal variation of magnetic resonance T1 relaxation times in the human population at 1.5 T using ShMOLLI. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 13.	1.6	216
5	NGM282 Improves Liver Fibrosis and Histology in 12 Weeks in Patients With Nonalcoholic Steatohepatitis. Hepatology, 2020, 71, 1198-1212.	3.6	187
6	Multiparametric magnetic resonance imaging predicts clinical outcomes in patients with chronic liver disease. Journal of Hepatology, 2016, 64, 308-315.	1.8	170
7	Ectopic and Visceral Fat Deposition inÂLean and Obese Patients With TypeÂ2ÂDiabetes. Journal of the American College of Cardiology, 2016, 68, 53-63.	1.2	165
8	Diagnostic accuracy of elastography and magnetic resonance imaging in patients with NAFLD: A systematic review and meta-analysis. Journal of Hepatology, 2021, 75, 770-785.	1.8	149
9	Multiparametric magnetic resonance imaging for the assessment of non‑alcoholic fatty liver disease severity. Liver International, 2017, 37, 1065-1073.	1.9	145
10	Structural and Functional Properties of Deep Abdominal Subcutaneous Adipose Tissue Explain Its Association With Insulin Resistance and Cardiovascular Risk in Men. Diabetes Care, 2014, 37, 821-829.	4.3	142
11	Sex-Specific Differences in Hepatic Fat Oxidation and Synthesis May Explain the Higher Propensity for NAFLD in Men. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 4425-4433.	1.8	108
12	Characterisation of liver fat in the UK Biobank cohort. PLoS ONE, 2017, 12, e0172921.	1.1	95
13	Gender-specific differences in left ventricular remodelling in obesity: insights from cardiovascular magnetic resonance imaging. European Heart Journal, 2013, 34, 292-299.	1.0	85
14	Genome-wide and Mendelian randomisation studies of liver MRI yield insights into the pathogenesis of steatohepatitis. Journal of Hepatology, 2020, 73, 241-251.	1.8	83
15	rs641738C>T near MBOAT7 is associated with liver fat, ALT and fibrosis in NAFLD: A meta-analysis. Journal of Hepatology, 2021, 74, 20-30.	1.8	77
16	Observational study of regional aortic size referenced to body size: production of a cardiovascular magnetic resonance nomogram. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 9.	1.6	72
17	Repeatability and reproducibility of multiparametric magnetic resonance imaging of the liver. PLoS ONE, 2019, 14, e0214921.	1.1	69
18	Hepatic iron is the major determinant of serum ferritin in <scp>NAFLD</scp> patients. Liver International, 2018, 38, 164-173.	1.9	65

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19	A model for hepatic fibrosis: the competing effects of cell loss and iron on shortened modified Look-Locker inversion recovery T_1 (shMOLLI-T_1) in the liver. Journal of Magnetic Resonance Imaging, 2017, 45, 450-462.	1.9	64
20	Utility and variability of three non-invasive liver fibrosis imaging modalities to evaluate efficacy of GR-MD-02 in subjects with NASH and bridging fibrosis during a phase-2 randomized clinical trial. PLoS ONE, 2018, 13, e0203054.	1.1	55
21	The interplay between metabolic alterations, diastolic strain rate and exercise capacity in mild heart failure with preserved ejection fraction: a cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 88.	1.6	51
22	Interobserver Variability in Histologic Evaluation of Liver Fibrosis Using Categorical and Quantitative Scores. American Journal of Clinical Pathology, 2017, 147, 364-369.	0.4	49
23	Lower resting and total energy expenditure in postmenopausal compared with premenopausal women matched for abdominal obesity. Journal of Nutritional Science, 2014, 3, e3.	0.7	44
24	Menopausal Status and Abdominal Obesity Are Significant Determinants of Hepatic Lipid Metabolism in Women. Journal of the American Heart Association, 2015, 4, e002258.	1.6	44
25	Nutrition and Nonalcoholic Fatty Liver Disease. Gastroenterology Clinics of North America, 2020, 49, 63-94.	1.0	44
26	Correlations Between MRI Biomarkers PDFF and cT1 With Histopathological Features of Non-Alcoholic Steatohepatitis. Frontiers in Endocrinology, 2020, 11, 575843.	1.5	43
27	Fasting Plasma Insulin Concentrations Are Associated With Changes in Hepatic Fatty Acid Synthesis and Partitioning Prior to Changes in Liver Fat Content in Healthy Adults. Diabetes, 2016, 65, 1858-1867.	0.3	37
28	Measurement of liver iron by magnetic resonance imaging in the UK Biobank population. PLoS ONE, 2018, 13, e0209340.	1.1	37
29	Prognostic value of multiparametric magnetic resonance imaging, transient elastography and blood-based fibrosis markers in patients with chronic liver disease. Liver International, 2020, 40, 3071-3082.	1.9	37
30	Clinical Utility of Magnetic Resonance Imaging Biomarkers for Identifying Nonalcoholic Steatohepatitis Patients at High Risk of Progression: A Multicenter Pooled Data and Meta-Analysis. Clinical Gastroenterology and Hepatology, 2022, 20, 2451-2461.e3.	2.4	37
31	A composite biomarker using multiparametric magnetic resonance imaging and blood analytes accurately identifies patients with non-alcoholic steatohepatitis and significant fibrosis. Scientific Reports, 2020, 10, 15308.	1.6	31
32	HIV is an independent predictor of aortic stiffness. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 57.	1.6	30
33	Multiparametric MR mapping in clinical decision-making for diffuse liver disease. Abdominal Radiology, 2020, 45, 3507-3522.	1.0	30
34	Improvements in ECG accuracy for diagnosis of left ventricular hypertrophy in obesity. Heart, 2016, 102, 1566-1572.	1.2	27
35	Non-invasive assessment of portal hypertension by multi-parametric magnetic resonance imaging of the spleen: A proof of concept study. PLoS ONE, 2019, 14, e0221066.	1.1	27
36	Quantitative MRCP Imaging: Accuracy, Repeatability, Reproducibility, and Cohort-Derived Normative Ranges. Journal of Magnetic Resonance Imaging, 2020, 52, 807-820.	1.9	27

#	Article	IF	Citations
37	Quantitative multiparametric magnetic resonance imaging can aid non-alcoholic steatohepatitis diagnosis in a Japanese cohort. World Journal of Gastroenterology, 2021, 27, 609-623.	1.4	24
38	Evidence of a Direct Effect of Myocardial Steatosis on LV Hypertrophy and Diastolic Dysfunction in Adult and Adolescent Obesity. JACC: Cardiovascular Imaging, 2015, 8, 1468-1470.	2.3	23
39	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. Journal of Hepatology, 2019, 71, 594-602.	1.8	23
40	Investigating a Liver Fat. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 198-203.	1.1	20
41	Multiparametric Magnetic Resonance Imaging, Autoimmune Hepatitis, and Prediction of Disease Activity. Hepatology Communications, 2021, 5, 1009-1020.	2.0	20
42	Hepatic Steatosis, Rather Than Underlying Obesity, Increases the Risk of Infection and Hospitalization for COVID-19. Frontiers in Medicine, 2021, 8, 636637.	1.2	19
43	Effect of Mastiha supplementation on NAFLD: The MAST4HEALTH Randomised, Controlled Trial. Molecular Nutrition and Food Research, 2021, 65, e2001178.	1.5	19
44	Obese Subjects Show Sex-Specific Differences in Right Ventricular Hypertrophy. Circulation: Cardiovascular Imaging, 2015, 8, .	1.3	18
45	Mastiha has efficacy in immune-mediated inflammatory diseases through a microRNA-155 Th17 dependent action. Pharmacological Research, 2021, 171, 105753.	3.1	17
46	Non-invasive assessment of liver disease in rats using multiparametric magnetic resonance imaging: a feasibility study. Biology Open, 2018, 7, .	0.6	15
47	Multiparametric MRI as a Noninvasive Monitoring Tool for Children With Autoimmune Hepatitis. Journal of Pediatric Gastroenterology and Nutrition, 2021, 72, 108-114.	0.9	15
48	Comparison between magnetic resonance and ultrasound-derived indicators of hepatic steatosis in a pooled NAFLD cohort. PLoS ONE, 2021, 16, e0249491.	1.1	14
49	Repeatability and reproducibility of deep-learning-based liver volume and Couinaud segment volume measurement tool. Abdominal Radiology, 2022, 47, 143-151.	1.0	14
50	Quantitative magnetic resonance imaging predicts individual future liver performance after liver resection for cancer. PLoS ONE, 2020, 15, e0238568.	1.1	12
51	Contained Left Ventricular Rupture After Acute Myocardial Infarction Revealed by Cardiovascular Magnetic Resonance Imaging. Circulation, 2012, 125, 2278-2280.	1.6	11
52	Factors to Consider in Development of Drugs for Pediatric Nonalcoholic Fatty Liver Disease. Gastroenterology, 2019, 157, 1448-1456.e1.	0.6	11
53	Novel Insights into Complex Cardiovascular Pathologies using 4D Flow Analysis by Cardiovascular Magnetic Resonance Imaging. Current Pharmaceutical Design, 2017, 23, 3262-3267.	0.9	11
54	Greater ectopic fat deposition and liver fibroinflammation and lower skeletal muscle mass in people with type 2 diabetes. Obesity, 2022, 30, 1231-1238.	1.5	11

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55	Study protocol: HepaT1ca â€" an observational clinical cohort study to quantify liver health in surgical candidates for liver malignancies. BMC Cancer, 2018, 18, 890.	1.1	10
56	Quantitative multiparametric MRI as a non-invasive stratification tool in children and adolescents with autoimmune liver disease. Scientific Reports, 2021, 11, 15261.	1.6	10
57	Age and gender dependence of pre-contrast T1-relaxation times in normal human myocardium at 1.5T using ShMOLLI. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	9
58	Normalization of Visceral Fat and Complete ReversalÂof Cardiovascular Remodeling Accompany Gastric Bypass, not Banding. Journal of the American College of Cardiology, 2015, 66, 2569-2570.	1.2	9
59	Ethnic Differences in Body Fat Deposition and Liver Fat Content in Two UKâ€Based Cohorts. Obesity, 2020, 28, 2142-2152.	1.5	9
60	Quantitative magnetic resonance imaging to aid clinical decision making in autoimmune hepatitis. EClinicalMedicine, 2022, 46, 101325.	3.2	8
61	Arterial stiffness: using simple surrogate measures to make sense of a biologically complex phenomenon. Hypertension Research, 2012, 35, 155-156.	1.5	6
62	The Effect of Multi-Parametric Magnetic Resonance Imaging in Standard of Care for Nonalcoholic Fatty Liver Disease: Protocol for a Randomized Control Trial. JMIR Research Protocols, 2020, 9, e19189.	0.5	5
63	Precision medicine for liver tumours with quantitative MRI and whole genome sequencing (Precision1) Tj ETQq1 1 0.784314 rgBT /Overl	0.8	3
64	Reply to: â€œMultiparametric magnetic resonance imaging to predict clinical outcomes in patients with chronic liver disease: A cautionary note on a promising techniqueâ€• Journal of Hepatology, 2017, 66, 457-458.	1.8	2
65	New boundaries of liver imaging: from morphology to function. European Journal of Internal Medicine, 2020, 79, 12-22.	1.0	2
66	Patient understanding and experience of non-invasive imaging diagnostic techniques and the liver patient pathway. Journal of Patient-Reported Outcomes, 2021, 5, 89.	0.9	2
67	Association of Dietary Patterns with MRI Markers of Hepatic Inflammation and Fibrosis in the MAST4HEALTH Study. International Journal of Environmental Research and Public Health, 2022, 19, 971.	1.2	2
68	Imaging endpoints for non-alcoholic steatohepatitis (NASH) therapeutic trials: A growing role for multiparametric MRI?. Journal of Hepatology, 2018, 69, 755-756.	1.8	1
69	THU-364-Liver cT1 predicts clinical outcomes in patients with chronic liver disease. Journal of Hepatology, 2019, 70, e314.	1.8	1
70	746 CHARACTERIZATION OF MAGNETIC RESONANCE-DERIVED BIOMARKERS OF LIVER HEALTH IN A EUROPEAN COHORT WITH METABOLIC SYNDROME AND NON-ALCOHOLIC FATTY LIVER DISEASE: INTERIM ANALYSIS OF AN ONGOING PROSPECTIVE TRIAL (RADICAL1). Gastroenterology, 2020, 158, S-1292.	0.6	1
71	Tu1665 OBETICHOLIC ACID IMPROVES HEPATIC FIBROINFLAMMATION AS ASSESSED BY MULTIPARAMETRIC MRI: INTERIM RESULTS OF THE REGENERATE TRIAL. Gastroenterology, 2020, 158, S-1443-S-1444.	0.6	1
72	Voxel-Wise Analysis of Paediatric Liver MRI. Communications in Computer and Information Science, 2018, , 57-62.	0.4	1

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73	Novel Quantitative Magnetic Resonance Imaging Features with Liver Function Tests to Distinguish Parenchymal and Biliary Disease. Communications in Computer and Information Science, 2018, , 37-43.	0.4	1
74	Quantitative MR in Paediatric Patients with Wilson Disease: A Case Series Review. Children, 2022, 9, 613.	0.6	1
75	Weight reduction surgery is associated with substantial long term reduction in left ventricular mass. Journal of Cardiovascular Magnetic Resonance, 2010, 12, .	1.6	0
76	Response to Letter Regarding Article, â€œMyocardial Tissue Characterization Using Magnetic Resonance Noncontrast T1 Mapping in Hypertrophic and Dilated Cardiomyopathyâ€• Circulation: Cardiovascular Imaging, 2013, 6, e2.	1.3	0
77	PS-202-Genome-wide association studies of abdominal MRI scans identifies loci associated with liver fat and liver iron in the UK Biobank. Journal of Hepatology, 2019, 70, e135.	1.8	0
78	FRI-069-Quantitative MRCP imaging: Preliminary observations in a cohort of paediatric patients with liver and biliary diseases. Journal of Hepatology, 2019, 70, e416.	1.8	0
79	Tu1529 â€" A Combined Blood and Mr Imaging Risk Score for Monitoring Liver Inflammation in Paediatric Aih. Gastroenterology, 2019, 156, S-1354.	0.6	0
80	FRI-013-A combined blood and MR imaging risk score for monitoring liver inflammation in paediatric AIH. Journal of Hepatology, 2019, 70, e389.	1.8	0
81	FRI-068-Quantitative biliary tree imaging by MRI: Evaluating new technology across patient cohorts with autoimmune liver disease. Journal of Hepatology, 2019, 70, e416.	1.8	0
82	SAT-435-Quantitative MRCP imaging (MRCP+): Accuracy, repeatability and reproducibility evaluation in healthy and liver disease patients. Journal of Hepatology, 2019, 70, e827-e828.	1.8	0
83	Mo1478 â€" Quantitative Mrcp Imaging: Preliminary Observations in a Cohort of Paediatric Patientswith Liver and Biliary Diseases. Gastroenterology, 2019, 156, S-1320-S-1321.	0.6	0
84	Tu1527 â€" Quantitative Biliary Tree Imaging by Mri: Evaluating New Technology Across Patient Cohorts with Autoimmune Liver Disease. Gastroenterology, 2019, 156, S-1353.	0.6	0
85	Mo1512 â€" Liver Ct1 Predicts Clinical Outcomes in Patients with Chronic Liver Disease. Gastroenterology, 2019, 156, S-1325.	0.6	0
86	SAT-290-Association of liver inflammation and fibrosis score with noninvasive biomarkers in non-alcoholic fatty liver disease: Preliminary results from the MAST4HEALTH study. Journal of Hepatology, 2019, 70, e765.	1.8	0
87	ATU-08â€¦Genetic studies of MRI liver fat content identify susceptibility variants with variable metabolic effects. , 2019, , .		0
88	PTU-028â€¦Genome-wide association study of MRI liver iron content in UK biobank identifies 3 susceptibility variants. , 2019, , .		0
89	Su1641 COMPARISON OF QUANTITATIVE MAGNETIC RESONANCE CHOLANGIOPANCREATOGRAPHY AND THE MODIFIED AMSTERDAM SCORE FOR ASSESSMENT OF PRIMARY SCLEROSING CHOLANGITIS. Gastroenterology, 2020, 158, S-1370.	0.6	0
90	Mo1407 PREDICTIVE ASSESSMENT OF POST-OPERATIVE LIVER PERFORMANCE AFTER SURGICAL RESECTION FOR CANCER: HEPAT1CA. Gastroenterology, 2020, 158, S-1397.	0.6	0

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91	Tackling Childhood Obesity as a Strategy in Cardiovascular Risk Reduction. European Cardiology Review, 2011, 7, 160.	0.7	0
92	Automated Detection of Cystic Lesions in Quantitative T1 Liver Images. Communications in Computer and Information Science, 2018, , 51-56.	0.4	0
93	AB064. P-35. Quantitative magnetic resonance cholangiopancreatography applications in primary sclerosing cholangitis and cholangiocarcinoma. Hepatobiliary Surgery and Nutrition, 2019, 8, AB064-AB064.	0.7	0
94	S1178âf Utility and Interpretation of the Quantitative MRI Metrics PDFF and cT1 as Biomarkers for Non-Alcoholic Steatohepatitis. American Journal of Gastroenterology, 2020, 115, S589-S590.	0.2	0