Alois Martin Sprinkart

List of Publications by Year
in descending order

88 papers	2,296 citations	236612 25 h-index	243296 44 g-index
89 all docs	89 docs citations	89 times ranked	3442 citing authors

#	Article	IF	Citations
1	Acute Myocarditis: Multiparametric Cardiac MR Imaging. Radiology, 2014, 273, 383-392.	3.6	130
2	Incremental value of quantitative CMR including parametric mapping for the diagnosis of acute myocarditis. European Heart Journal Cardiovascular Imaging, 2016, 17, 154-161.	0.5	127
3	Comparison of Original and 2018 Lake Louise Criteria for Diagnosis of Acute Myocarditis: Results of a Validation Cohort. Radiology: Cardiothoracic Imaging, 2019, 1, e190010.	0.9	118
4	Gradient Spin Echo (GraSE) imaging for fast myocardial T2 mapping. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 12.	1.6	113
5	Comparison between modified Dixon MRI techniques, MR spectroscopic relaxometry, and different histologic quantification methods in the assessment of hepatic steatosis. European Radiology, 2015, 25, 2869-2879.	2.3	106
6	Quantification of Liver Fibrosis at T1 and T2 Mapping with Extracellular Volume Fraction MRI: Preclinical Results. Radiology, 2018, 288, 748-754.	3.6	96
7	Comprehensive Cardiac Magnetic Resonance for Short‐Term Follow‐Up in Acute Myocarditis. Journal of the American Heart Association, 2016, 5, .	1.6	86
8	Cardiac Magnetic Resonance Reveals Signs of Subclinical Myocardial Inflammation in Asymptomatic HIV-Infected Patients. Circulation: Cardiovascular Imaging, 2016, 9, e004091.	1.3	83
9	Diffuse Myocardial Inflammation in COVID-19 Associated Myocarditis Detected by Multiparametric Cardiac Magnetic Resonance Imaging. Circulation: Cardiovascular Imaging, 2020, 13, e010897.	1.3	79
10	N-Acetylaspartylglutamate (NAAG) and N-Acetylaspartate (NAA) in Patients With Schizophrenia. Schizophrenia Bulletin, 2013, 39, 197-205.	2.3	63
11	Diffusion-Weighted Magnetic Resonance Imaging of the Pancreas. Investigative Radiology, 2014, 49, 93-100.	3.5	63
12	Quantification of fat and skeletal muscle tissue at abdominal computed tomography: associations between single-slice measurements and total compartment volumes. Abdominal Radiology, 2019, 44, 1907-1916.	1.0	63
13	Body composition analysis using CT and MRI: intra-individual intermodal comparison of muscle mass and myosteatosis. Scientific Reports, 2020, 10, 11765.	1.6	53
14	Feature-tracking myocardial strain analysis in acute myocarditis: diagnostic value and association with myocardial oedema. European Radiology, 2017, 27, 4661-4671.	2.3	50
15	Intravoxel incoherent motion model-based liver lesion characterisation from three b-value diffusion-weighted MRI. European Radiology, 2013, 23, 2773-2783.	2.3	49
16	Intensity-modulated radiotherapy of the prostate: Dynamic ADC monitoring by DWI at 3.0T. Radiotherapy and Oncology, 2014, 113, 115-120.	0.3	46
17	Dynamic and simultaneous MR measurement of R_1 and R_2* changes during respiratory challenges for the assessment of blood and tissue oxygenation. Magnetic Resonance in Medicine, 2013, 70, 136-146.	1.9	45
18	Postinterventional Passive Expansion of Partially Dilated Transjugular Intrahepatic Portosystemic Shunt Stents. Journal of Vascular and Interventional Radiology, 2015, 26, 388-394.	0.2	42

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19	3D-Dixon MRI based volumetry of peri- and epicardial fat. International Journal of Cardiovascular Imaging, 2016, 32, 291-299.	0.7	41
20	Left Ventricular Myocardial Fibrosis, Atrophy, and Impaired Contractility in Patients With Pulmonary Arterial Hypertension and a Preserved Left Ventricular Function. Journal of Thoracic Imaging, 2017, 32, 36-42.	0.8	40
21	Proton density fat fraction MRI of vertebral bone marrow: Accuracy, repeatability, and reproducibility among readers, field strengths, and imaging platforms. Journal of Magnetic Resonance Imaging, 2019, 50, 1762-1772.	1.9	37
22	Fully Automated Segmentation of Connective Tissue Compartments for CT-Based Body Composition Analysis. Investigative Radiology, 2020, 55, 357-366.	3.5	36
23	Myocardial Fibrosis and Inflammation in Liver Cirrhosis: MRI Study of the Liver-Heart Axis. Radiology, 2020, 297, 51-61.	3.6	34
24	Fat-free muscle area measured by magnetic resonance imaging predicts overall survival of patients undergoing radioembolization of colorectal cancer liver metastases. European Radiology, 2019, 29, 4709-4717.	2.3	26
25	Quantitative liver MRI including extracellular volume fraction for non-invasive quantification of liver fibrosis: a prospective proof-of-concept study. Gut, 2018, 67, 593-594.	6.1	25
26	Opportunistic Computed Tomography Imaging for the Assessment of Fatty Muscle Fraction Predicts Outcome in Patients Undergoing Transcatheter Aortic Valve Replacement. Circulation, 2020, 141, 234-236.	1.6	25
27	Comparison of magnetic resonance feature tracking with harmonic phase imaging analysis (CSPAMM) for assessment of global and regional diastolic function. European Journal of Radiology, 2015, 84, 100-107.	1.2	24
28	Accurate IVIM model-based liver lesion characterisation can be achieved with only three b-value DWI. European Radiology, 2018, 28, 4418-4428.	2.3	24
29	Effects of a 24‐hr‐shift‐related short‐term sleep deprivation on cardiac function: A cardiac magnetic resonance‐based study. Journal of Sleep Research, 2019, 28, e12665.	1.7	24
30	Yttrium-90 radioembolization for hepatocellular carcinoma: Outcome prediction with MRI derived fat-free muscle area. European Journal of Radiology, 2020, 125, 108889.	1.2	24
31	Evaluation of a Simplified Intravoxel Incoherent Motion (IVIM) Analysis of Diffusion-Weighted Imaging for Prediction of Tumor Size Changes and Imaging Response in Breast Cancer Liver Metastases Undergoing Radioembolization. Medicine (United States), 2016, 95, e3275.	0.4	23
32	Differentiation of prostatitis and prostate cancer using the Prostate Imaging—Reporting and Data System (PI-RADS). European Journal of Radiology, 2016, 85, 1304-1311.	1.2	23
33	The effects of extracellular contrast agent (Gadobutrol) on the precision and reproducibility of cardiovascular magnetic resonance feature tracking. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 30.	1.6	22
34	Cardiac MRI Depicts Immune Checkpoint Inhibitor—induced Myocarditis: A Prospective Study. Radiology, 2021, 301, 602-609.	3.6	22
35	3D-Dixon cardiac magnetic resonance detects an increased epicardial fat volume in hypertensive men with myocardial infarction. European Journal of Radiology, 2016, 85, 936-942.	1.2	21
36	Detection of liver cirrhosis in standard T2-weighted MRI using deep transfer learning. European Radiology, 2021, 31, 8807-8815.	2.3	21

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37	End-to-end automated body composition analyses with integrated quality control for opportunistic assessment of sarcopenia in CT. European Radiology, 2022, 32, 3142-3151.	2.3	20
38	Quantitative assessment of systolic and diastolic function in patients with LGE negative systemic amyloidosis using CMR. International Journal of Cardiology, 2017, 232, 336-341.	0.8	19
39	Multiparametric cardiovascular magnetic resonance imaging in acute myocarditis: a comparison of different measurement approaches. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 54.	1.6	19
40	Intravoxel incoherent motion model&ndash;based analysis of diffusion-weighted magnetic resonance imaging with 3 b-values for response assessment in locoregional therapy of hepatocellular carcinoma. OncoTargets and Therapy, 2016, Volume 9, 6425-6433.	1.0	17
41	Influence of hydration status on cardiovascular magnetic resonance myocardial T1 and T2 relaxation time assessment: an intraindividual study in healthy subjects. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 63.	1.6	14
42	Deep Learning-Based Body Composition Analysis Predicts Outcome in Melanoma Patients Treated with Immune Checkpoint Inhibitors. Diagnostics, 2021, 11, 2314.	1.3	13
43	Deep learning supports the differentiation of alcoholic and other-than-alcoholic cirrhosis based on MRI. Scientific Reports, 2022, 12, 8297.	1.6	13
44	Proton magnetic resonance spectroscopy in focal cortical dysplasia at 3 T. Seizure: the Journal of the British Epilepsy Association, 2015, 32, 23-29.	0.9	12
45	Epicardial Fat Volume and Aortic Stiffness in Healthy Individuals: A Quantitative Cardiac Magnetic Resonance Study. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2016, 188, 853-858.	0.7	12
46	Quantification of liver fibrosis: extracellular volume fraction using an MRI bolus-only technique in a rat animal model. European Radiology Experimental, 2019, 3, 22.	1.7	12
47	Epicardial fat, left ventricular strain, and T1-relaxation times in obese individuals with a normal ejection fraction. Acta Radiologica, 2019, 60, 1251-1257.	0.5	12
48	Magnetic resonance parametric mapping of the spleen for non-invasive assessment of portal hypertension. European Radiology, 2021, 31, 85-93.	2.3	12
49	1.5 vs 3 Tesla Magnetic Resonance Imaging. Investigative Radiology, 2021, 56, 680-691.	3.5	12
50	Non-invasive assessment of liver fibrosis in autoimmune hepatitis: Diagnostic value of liver magnetic resonance parametric mapping including extracellular volume fraction. Abdominal Radiology, 2021, 46, 2458-2466.	1.0	11
51	Feasibility of CT-derived myocardial strain measurement in patients with advanced cardiac valve disease. Scientific Reports, 2021, 11, 8793.	1.6	11
52	The value of intravoxel incoherent motion model-based diffusion-weighted imaging for outcome prediction in resin-based radioembolization of breast cancer liver metastases. OncoTargets and Therapy, 2016, Volume 9, 4089-4098.	1.0	10
53	Intravoxel Incoherent Motion Diffusion-Weighted MR Imaging for Prediction of Early Arterial Blood Flow Stasis in Radioembolization of Breast Cancer Liver Metastases. Journal of Vascular and Interventional Radiology, 2016, 27, 1320-1328.	0.2	10
54	Interrelations of Epicardial Fat Volume, Left Ventricular T1-Relaxation Times and Myocardial Strain in Hypertensive Patients. Journal of Thoracic Imaging, 2017, 32, 169-175.	0.8	10

#	ARTICLE	IF	CITATIONS
55	Cardiac magnetic resonance based evaluation of aortic stiffness and epicardial fat volume in patients with hypertension, diabetes mellitus, and myocardial infarction. Acta Radiologica, 2018, 59, 65-71.	0.5	10
56	Multiparametric cardiac magnetic resonance imaging in pediatric and adolescent patients with acute myocarditis. Pediatric Radiology, 2021, 51, 2470-2480.	1.1	10
57	Extraretinal Induced Visual Sensations during IMRT of the Brain. PLoS ONE, 2015, 10, e0123440.	1.1	9
58	An in vivo comparison of the DREAM sequence with current RF shim technology. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 185-194.	1.1	9
59	Revised PROPELLER for T2-weighted imaging of the prostate at 3 Tesla: impact on lesion detection and PI-RADS classification. European Radiology, 2018, 28, 24-30.	2.3	9
60	Diagnostic Accuracy of Quantitative Imaging Biomarkers in the Differentiation of Benign and Malignant Vertebral Lesions. Clinical Neuroradiology, 2021, 31, 1059-1070.	1.0	9
61	Assessment of cardiac dyssynchrony by cardiac MR: A comparison of velocity encoding and feature tracking analysis. Journal of Magnetic Resonance Imaging, 2016, 43, 940-946.	1.9	8
62	CT fatty muscle fraction as a new parameter for muscle quality assessment predicts outcome in venovenous extracorporeal membrane oxygenation. Scientific Reports, 2020, 10, 22391.	1.6	8
63	Characterization of the failing murine heart in a desmin knock-out model using a clinical 3ÂT MRI scanner. International Journal of Cardiovascular Imaging, 2012, 28, 1699-1705.	0.7	7
64	Comparison of magnetic resonance feature tracking with CSPAMM HARP for the assessment of global and regional layer specific strain. International Journal of Cardiology, 2017, 244, 340-346.	0.8	6
65	Short-Term Measurement Repeatability of a Simplified Intravoxel Incoherent Motion (IVIM) Analysis for Routine Clinical Diffusion-Weighted Imaging in Malignant Liver Lesions and Liver Parenchyma at 1.5â€ŠT. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2019, 191, 199-208.	0.7	6
66	Diagnostic value of magnetic resonance parametric mapping for non-invasive assessment of liver fibrosis in patients with primary sclerosing cholangitis. BMC Medical Imaging, 2021, 21, 65.	1.4	6
67	Ultrafast volumetric B1+mapping for improved radiofrequency shimming in 3 tesla body MRI. Journal of Magnetic Resonance Imaging, 2014, 40, 857-863.	1.9	5
68	In-bore transrectal MRI-guided prostate biopsies: Are there risk factors for complications?. European Journal of Radiology, 2016, 85, 2169-2173.	1.2	5
69	Evaluation of Exponential ADC (eADC) and Computed DWI (cDWI) for the Detection of Prostate Cancer. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, 758-766.	0.7	5
70	Is liver lesion characterisation by simplified IVIM DWI also feasible at 3.0ÂT?. European Radiology, 2019, 29, 5889-5900.	2.3	5
71	Quantitative and Qualitative Assessment of Pulmonary Emphysema with T2-Weighted PROPELLER MRI in a High-Risk Population Compared to Low-Dose CT. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, 733-739.	0.7	4
72	MRI Assessment of Chylous and Nonchylous Effusions: Use of Multipoint Dixon Fat Quantification. Radiology, 2020, 296, 698-705.	3.6	4

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73	The effects of flip angle optimization on the precision and reproducibility of feature tracking derived strain assessment in contrast enhanced bSSFP cine images. European Journal of Radiology, 2018, 102, 9-14.	1.2	3
74	Flip angle optimization for balanced SSFP: Cardiac cine imaging following the application of standard extracellular contrast agent (gadobutrol). Journal of Magnetic Resonance Imaging, 2018, 47, 255-261.	1.9	3
75	Synthetic extracellular volume fraction without hematocrit sampling for hepatic applications. Abdominal Radiology, 2021, 46, 4637-4646.	1.0	3
76	Association between single-slice and whole heart measurements of epicardial and pericardial fat in cardiac MRI. Acta Radiologica, 2023, 64, 2229-2237.	0.5	3
77	Comparison of different ROI analysis methods for liver lesion characterization with simplified intravoxel incoherent motion (IVIM). Scientific Reports, 2021, 11, 22752.	1.6	3
78	Peripartum Cardiomyopathy: Diagnostic and Prognostic Value of Cardiac Magnetic Resonance in the Acute Stage. Diagnostics, 2022, 12, 378.	1.3	3
79	Combination of Fat-Free Muscle Index and Total Spontaneous Portosystemic Shunt Area Identifies High-Risk Cirrhosis Patients. Frontiers in Medicine, 2022, 9, 831005.	1.2	3
80	Cranial stent position is independently associated with the development of TIPS dysfunction. Scientific Reports, 2022, 12, 3559.	1.6	2
81	Synchronization and Alignment of Follow-up Examinations: a Practical and Educational Approach Using the DICOM Reference Coordinate System. Journal of Digital Imaging, 2019, 32, 68-74.	1.6	1
82	The impact of rheolytic percutaneous mechanical thrombectomy on glomerular filtration rate levels. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2020, 8, 545-550.	0.9	1
83	Simplified intravoxel incoherent motion diffusion-weighted MRI of liver lesions: feasibility of combined two-colour index maps. European Radiology Experimental, 2021, 5, 33.	1.7	1
84	Feature-tracking-based strain analysis â€" a comparison of tracking algorithms. Polish Journal of Radiology, 2020, 85, 97-103.	0.5	1
85	Assessment of liver cirrhosis severity with extracellular volume fraction MRI. Scientific Reports, 2022, 12, .	1.6	1
86	Dynamic and simultaneous MR measurement of R_1 and R_2* changes during respiratory challenges for the assessment of blood and tissue oxygenation. Magnetic Resonance in Medicine, 2013, 70, spcone.	1.9	0
87	Messung von Fettgehalt und Fettvolumen mittels 1H-MR-spektroskopischer Relaxometrie und quantitativer MR-Bildgebung. TM Technisches Messen, 2016, 83, 257-265.	0.3	0
88	Epicardial adipose tissue, aortic stiffness and myocardial fibrosis in healthy individuals: a quantitative cardiac magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2016, 18, Q4.	1.6	0