

# Juerg Schwitter

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,689  
citations

279798

23  
h-index

302126

39  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2479  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compressed Sensing Single-Breath-Hold CMR for Fast Quantification of LV Function, Volumes, and Mass. JACC: Cardiovascular Imaging, 2014, 7, 882-892.	5.3	116
2	Stress Perfusion CMR in Patients With Known and Suspected CAD. JACC: Cardiovascular Imaging, 2017, 10, 526-537.	5.3	108
3	Respiratory Self-navigated Postcontrast Whole-Heart Coronary MR Angiography: Initial Experience in Patients. Radiology, 2014, 270, 378-386.	7.3	96
4	Free-running 4D whole-heart self-navigated golden angle MRI: Initial results. Magnetic Resonance in Medicine, 2015, 74, 1306-1316.	3.0	91
5	Rescue procedure for an electrical storm using robotic non-invasive cardiac radio-ablation. Radiotherapy and Oncology, 2018, 128, 189-191.	0.6	81
6	Assessment of cardiac ischaemia and viability: role of cardiovascular magnetic resonance. European Heart Journal, 2011, 32, 799-809.	2.2	77
7	Quality assessment of cardiovascular magnetic resonance in the setting of the European CMR registry: description and validation of standardized criteria. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 55.	3.3	76
8	Four-dimensional respiratory motion-resolved whole heart coronary MR angiography. Magnetic Resonance in Medicine, 2017, 77, 1473-1484.	3.0	74
9	Long-Term Incremental Prognostic Value of Cardiovascular Magnetic Resonance After ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Imaging, 2018, 11, 813-825.	5.3	73
10	Image Quality of Cardiac Magnetic Resonance Imaging in Patients With an Implantable Cardioverter Defibrillator System Designed for the Magnetic Resonance Imaging Environment. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	48
11	Probing the intravascular and interstitial compartments of remodeled myocardium in heart failure patients with preserved and reduced ejection fraction: a CMR study. BMC Medical Imaging, 2019, 19, 1.	2.7	46
12	High-field dissolution dynamic nuclear polarization of [ <sup>13</sup> C]pyruvic acid. Physical Chemistry Chemical Physics, 2016, 18, 12409-12413.	2.8	44
13	Impact of the Advisa MRI pacing system on the diagnostic quality of cardiac MR images and contraction patterns of cardiac muscle during scans: Advisa MRI randomized clinical multicenter study results. Heart Rhythm, 2013, 10, 864-872.	0.7	42
14	Single centre experience of the application of self navigated 3D whole heart cardiovascular magnetic resonance for the assessment of cardiac anatomy in congenital heart disease. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 55.	3.3	42
15	Cost-minimization analysis of three decision strategies for cardiac revascularization: results of the 'suspected CAD' cohort of the European Cardiovascular Magnetic Resonance Registry. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 3.	3.3	41
16	In-Vivo Detection and Tracking of T Cells in Various Organs in a Melanoma Tumor Model by 19F-Fluorine MRS/MRI. PLoS ONE, 2016, 11, e0164557.	2.5	40
17	Cardiac magnetic Resonance for prophylactic Implantable-cardioverter defibrillator Therapy in Non-Ischaemic dilated Cardiomyopathy: an international Registry. Europace, 2021, 23, 1072-1083.	1.7	37
18	An intact small animal model of myocardial ischemia-reperfusion: Characterization of metabolic changes by hyperpolarized <sup>13</sup> C MR spectroscopy. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H2058-H2066.	3.2	36

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19	Cardiac magnetic resonance imaging in myocardial inflammation in autoimmune rheumatic diseases: An appraisal of the diagnostic strengths and limitations of the Lake Louise criteria. <i>International Journal of Cardiology</i> , 2018, 252, 216-219.	1.7	32
20	Cost-effectiveness of functional cardiac imaging in the diagnostic work-up of coronary heart disease. <i>European Heart Journal Quality of Care &amp; Clinical Outcomes</i> , 2016, 2, 201-207.	4.0	27
21	An iterative approach to respiratory self-navigated whole-heart coronary MRA significantly improves image quality in a preliminary patient study. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1594-1604.	3.0	25
22	Characterization of perfluorocarbon relaxation times and their influence on the optimization of fluorine-19 MRI at 3 tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2263-2271.	3.0	25
23	Incidental extracardiac findings on cardiac MR: Systematic review and meta-analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 929-939.	3.4	24
24	Impact of bileaflet mitral valve prolapse on quantification of mitral regurgitation with cardiac magnetic resonance: a single-center study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 56.	3.3	24
25	Interventional Cardiac Magnetic Resonance Imaging in Electrophysiology. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 203-211.	4.8	23
26	Stereotactic Radiotherapy for the Management of Refractory Ventricular Tachycardia: Promise and Future Directions. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 108.	2.4	23
27	Single breath-hold 3D measurement of left atrial volume using compressed sensing cardiovascular magnetic resonance and a non-model-based reconstruction approach. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 47.	3.3	22
28	Improved border sharpness of post-infarct scar by a novel self-navigated free-breathing high-resolution 3D whole-heart inversion recovery magnetic resonance approach. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1735-1744.	1.5	22
29	First Documentation of Persistent SARS-Cov-2 Infection Presenting With Late Acute Severe Myocarditis. <i>Canadian Journal of Cardiology</i> , 2020, 36, 1326.e5-1326.e7.	1.7	22
30	Myocardial extracellular volume by T1 mapping: a new marker of arrhythmia in mitral valve prolapse. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 102.	3.3	22
31	Probing cardiac metabolism by hyperpolarized $^{13}\text{C}$ MR using an exclusively endogenous substrate mixture and photo-induced nonpersistent radicals. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2451-2459.	3.0	18
32	Deep Learning to Automate Reference-Free Image Quality Assessment of Whole-Heart MR Images. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190123.	5.8	18
33	Relationship between CMR-derived parameters of ischemia/reperfusion injury and the timing of CMR after reperfused ST-segment elevation myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 50.	3.3	16
34	Prognostic value of pulse pressure after an acute coronary syndrome. <i>Atherosclerosis</i> , 2018, 277, 219-226.	0.8	15
35	Motion compensated whole-heart coronary cardiovascular magnetic resonance angiography using focused navigation (fNAV). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 33.	3.3	15
36	Cost-Minimization Analysis for Cardiac Revascularization in 12 Health Care Systems Based on the EuroCMR/SPINS Registries. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 607-625.	5.3	15

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37	Chest-MRI under pulsatile flow ventilation: A new promising technique. PLoS ONE, 2017, 12, e0178807.	2.5	14
38	Three-Dimensional Self-Navigated T2 Mapping for the Detection of Acute Cellular Rejection After Orthotopic Heart Transplantation. Transplantation Direct, 2017, 3, e149.	1.6	12
39	Cardiovascular morphometry with high-resolution 3D magnetic resonance: First application to left ventricle diastolic dysfunction. Medical Engineering and Physics, 2017, 47, 64-71.	1.7	12
40	Left Ventricular Hypertrabeculation Is Not Associated With Cardiovascular Morbidity or Mortality: Insights From the Eurocmr Registry. Frontiers in Cardiovascular Medicine, 2020, 7, 158.	2.4	11
41	Impact of Extracardiac Findings during Cardiac MR on Patient Management and Outcome. Medical Science Monitor, 2015, 21, 1288-1296.	1.1	10
42	Feasibility of adenosine stress cardiovascular magnetic resonance perfusion imaging in patients with MR-conditional transvenous permanent pacemakers and defibrillators. Journal of Cardiovascular Magnetic Resonance, 2022, 24, 9.	3.3	9
43	Detection of myocardial medium-chain fatty acid oxidation and tricarboxylic acid cycle activity with hyperpolarized [ <sup>13</sup> C]octanoate. NMR in Biomedicine, 2020, 33, e4243.	2.8	8
44	Mitral Valve Prolapse, Arrhythmias, and Sudden Cardiac Death: The Role of Multimodality Imaging to Detect High-Risk Features. Diagnostics, 2021, 11, 683.	2.6	8
45	How to do quantitative myocardial perfusion cardiovascular magnetic resonance. European Heart Journal Cardiovascular Imaging, 2022, 23, 315-318.	1.2	8
46	Magnetic resonance imaging in pulmonary hypertension: an overview of current applications and future perspectives. , 2022, 152, w30055.		7
47	Curative management of a cardiac metastasis from lung cancer revealed by an electrical storm. Clinical and Translational Radiation Oncology, 2020, 21, 62-65.	1.7	5
48	MRI perfusion in patients with stable chest-pain. British Journal of Radiology, 2020, 93, 20190881.	2.2	4
49	Assessment of Aspartate and Bicarbonate Produced From Hyperpolarized [1- <sup>13</sup> C]Pyruvate as Markers of Renal Gluconeogenesis. Frontiers in Physiology, 2021, 12, 792769.	2.8	4
50	Understanding the Risk to Develop Atrial Fibrillation. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	3
51	Impact of manual thrombectomy on microvascular obstruction in STEMI patients. Catheterization and Cardiovascular Interventions, 2021, 97, 1141-1148.	1.7	3
52	Head-to-head comparison of multiple cardiovascular magnetic resonance techniques for the detection and quantification of intramyocardial haemorrhage in patients with ST-elevation myocardial infarction. European Radiology, 2021, 31, 1245-1256.	4.5	3
53	Ascending aortic remodelling in Fabry disease after long-term enzyme replacement therapy. Swiss Medical Weekly, 2017, 147, w14517.	1.6	3
54	Respiratory optimized data selection for more resilient self-navigated whole-heart coronary MR angiography. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 215-225.	2.0	2

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55	Blood flow assessment by transit time flow measurement and its prognostic impact in coronary bypass surgery. <i>Journal of Cardiovascular Surgery</i> , 2020, 61, 356-368.	0.6	2
56	A concealed carcinoid cardiac metastasis uncovered by comprehensive cardiovascular magnetic resonance-based tissue characterization: a case report. <i>European Heart Journal - Case Reports</i> , 2020, 4, 1-5.	0.6	1
57	Left atrial adaptation in ischemic heart disease: insights from a cardiovascular magnetic resonance study. <i>International Journal of Cardiovascular Imaging</i> , 2022, , 1.	1.5	1
58	Acute chest pain with ST-segment elevation in lead V1â€“V3: when you hear hoofbeats, also look for zebras. <i>Clinical Research in Cardiology</i> , 2021, 110, 1516-1522.	3.3	0