

# Sebastian Kozerke

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

309  
papers

11,098  
citations

53  
h-index

95  
g-index

321  
ext. papers

12,816  
ext. citations

5.8  
avg, IF

6.25  
L-index

#	Paper	IF	Citations
309	Role of sex hormones in modulating myocardial perfusion and coronary flow reserve.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2022</b> , 1	8.8	0
308	Rapid inference of personalised left-ventricular meshes by deformation-based differentiable mesh voxelization.. <i>Medical Image Analysis</i> , <b>2022</b> , 79, 102445	15.4	0
307	Magnetic Resonance Imaging-Based 4D Flow: The Role of Artificial Intelligence. <i>Contemporary Medical Imaging</i> , <b>2022</b> , 333-348	0.1	
306	Segmental strain for scar detection in acute myocardial infarcts and in follow-up exams using non-contrast CMR cine sequences.. <i>BMC Cardiovascular Disorders</i> , <b>2022</b> , 22, 226	2.3	0
305	Parametric mapping CMR for the measurement of inflammatory reactions of the pericardium. <i>Open Heart</i> , <b>2022</b> , 9, e001919	3	
304	Synthetically trained convolutional neural networks for improved tensor estimation from free-breathing cardiac DTI. <i>Computerized Medical Imaging and Graphics</i> , <b>2022</b> , 99, 102075	7.6	2
303	Validation of cardiac diffusion tensor imaging sequences: A multi-centre test-retest phantom study.. <i>NMR in Biomedicine</i> , <b>2021</b> , e4685	4.4	
302	In-silico study of accuracy and precision of left-ventricular strain quantification from 3D tagged MRI. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258965	3.7	0
301	Fundamentals of turbulent flow spectrum imaging. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 87, 1231	4.4	0
300	Joint image and field map estimation for multi-echo hyperpolarized C metabolic imaging of the heart. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 258-276	4.4	1
299	Simulation of intravoxel incoherent perfusion signal using a realistic capillary network of a mouse brain. <i>NMR in Biomedicine</i> , <b>2021</b> , 34, e4528	4.4	1
298	Acute Microstructural Changes after ST-Segment Elevation Myocardial Infarction Assessed with Diffusion Tensor Imaging. <i>Radiology</i> , <b>2021</b> , 299, 86-96	20.5	2
297	Toward an accurate estimation of wall shear stress from 4D flow magnetic resonance downstream of a severe stenosis. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 1531-1543	4.4	1
296	2D high resolution vs. 3D whole heart myocardial perfusion cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2021</b> ,	4.1	1
295	Accuracy of dynamic three-dimensional magnetic resonance perfusion imaging for the detection of coronary artery disease in patients with reduced ejection fraction. <i>Imaging</i> , <b>2021</b> , 13, 61-68	0.3	
294	Personalising left-ventricular biophysical models of the heart using parametric physics-informed neural networks. <i>Medical Image Analysis</i> , <b>2021</b> , 71, 102066	15.4	7
293	Insight Into Myocardial Microstructure of Athletes and Hypertrophic Cardiomyopathy Patients Using Diffusion Tensor Imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2021</b> , 53, 73-82	5.6	3

292	A biphasic multilayer computational model of human skin. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2021</b> , 20, 969-982	3.8	0
291	CMR Diffusion Tensor Imaging Provides Novel Imaging Markers of Adverse Myocardial Remodeling in Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 1472-1474	8.4	2
290	A 3D personalized cardiac myocyte aggregate orientation model using MRI data-driven low-rank basis functions. <i>Medical Image Analysis</i> , <b>2021</b> , 71, 102064	15.4	2
289	Septaly Oriented Mild Aortic Regurgitant Jets Negatively Influence Left Ventricular Blood Flow-Insights From 4D Flow MRI Animal Study. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 711099	5.4	0
288	Quantitative myocardial first-pass perfusion imaging of CO -induced vasodilation in rats. <i>NMR in Biomedicine</i> , <b>2021</b> , 34, e4593	4.4	
287	Cardiac self-gating using blind source separation for 2D cine cardiovascular magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 81, 42-52	3.3	0
286	Cardiovascular magnetic resonance imaging of functional and microstructural changes of the heart in a longitudinal pig model of acute to chronic myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2021</b> , 23, 103	6.9	6
285	Bayesian inference using hierarchical and spatial priors for intravoxel incoherent motion MR imaging in the brain: Analysis of cancer and acute stroke. <i>Medical Image Analysis</i> , <b>2021</b> , 73, 102144	15.4	2
284	Comparison of interpolation methods of predominant cardiomyocyte orientation from in vivo and ex vivo cardiac diffusion tensor imaging data.. <i>NMR in Biomedicine</i> , <b>2021</b> , e4667	4.4	0
283	Improved Segmentation and Detection Sensitivity of Diffusion-weighted Stroke Lesions with Synthetically Enhanced Deep Learning. <i>Radiology: Artificial Intelligence</i> , <b>2020</b> , 2, e190217	8.7	10
282	Multimodal Multiparametric Three-dimensional Image Fusion in Coronary Artery Disease: Combining the Best of Two Worlds. <i>Radiology: Cardiothoracic Imaging</i> , <b>2020</b> , 2, e190116	8.3	3
281	Analysis and correction of off-resonance artifacts in echo-planar cardiac diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 2561-2576	4.4	7
280	On the limitations of echo planar 4D flow MRI. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 1806-1816	4.4	6
279	Accelerating CEST MRI in the mouse brain at 9.4 T by exploiting sparsity in the Z-spectrum domain. <i>NMR in Biomedicine</i> , <b>2020</b> , 33, e4360	4.4	1
278	Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. <i>Nature Reviews Cardiology</i> , <b>2020</b> , 17, 427-450	14.8	37
277	Motion and eddy current-induced signal dephasing in in vivo cardiac DTI. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 277-288	4.4	2
276	Effect of intracoronary bone marrow-derived mononuclear cell injection early and late after myocardial infarction on CMR-derived myocardial strain. <i>International Journal of Cardiology</i> , <b>2020</b> , 310, 108-115	3.2	1
275	Deep variational network for rapid 4D flow MRI reconstruction. <i>Nature Machine Intelligence</i> , <b>2020</b> , 2, 228-235	22.5	20

274	Spatial Resolution and the Magnitude of Infarct Volume Measurement Error in DWI in Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 792-797	4.4	3
273	Cardiovascular magnetic resonance T2* mapping for the assessment of cardiovascular events in hypertrophic cardiomyopathy. <i>Open Heart</i> , <b>2020</b> , 7, e001152	3	1
272	Unipolar MR elastography: Theory, numerical analysis and implementation. <i>NMR in Biomedicine</i> , <b>2020</b> , 33, e4138	4.4	2
271	Novel Magnetic Resonance Late Gadolinium Enhancement With Fixed Short Inversion Time in Ischemic Myocardial Scars. <i>Investigative Radiology</i> , <b>2020</b> , 55, 445-450	10.1	2
270	Motion-Induced Signal Loss in In Vivo Cardiac Diffusion-Weighted Imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2020</b> , 51, 319-320	5.6	3
269	Navigator-free metabolite-cycled proton spectroscopy of the heart. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 795-805	4.4	3
268	Characterizing cardiac involvement in amyloidosis using cardiovascular magnetic resonance diffusion tensor imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2019</b> , 21, 56	6.9	22
267	Extended quantitative dynamic contrast-enhanced cardiac perfusion imaging in mice using accelerated data acquisition and spatially distributed, two-compartment exchange modeling. <i>NMR in Biomedicine</i> , <b>2019</b> , 32, e4123	4.4	2
266	Retrospective phase-based gating for cardiac proton spectroscopy with fixed scan time. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 1973-1981	5.6	4
265	Production of highly polarized [1- C]acetate by rapid decarboxylation of [2- C]pyruvate - application to hyperpolarized cardiac spectroscopy and imaging. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 1140-1149	4.4	4
264	On probing intravoxel incoherent motion in the heart-spin-echo versus stimulated-echo DWI. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 1150-1163	4.4	7
263	A spin-thermodynamic approach to characterize spin dynamics in TEMPO-based samples for dissolution DNP at 7 T field. <i>Journal of Magnetic Resonance</i> , <b>2019</b> , 303, 91-104	3	3
262	Imaging localized neuronal activity at fast time scales through biomechanics. <i>Science Advances</i> , <b>2019</b> , 5, eaav3816	14.3	18
261	Ristretto MRE: A generalized multi-shot GRE-MRE sequence. <i>NMR in Biomedicine</i> , <b>2019</b> , 32, e4049	4.4	8
260	Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials: JACC Scientific Expert Panel. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 74, 238-256	15.1	102
259	Multipoint 5D flow cardiovascular magnetic resonance - accelerated cardiac- and respiratory-motion resolved mapping of mean and turbulent velocities. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2019</b> , 21, 42	6.9	31
258	Determinants of myocardial function characterized by CMR-derived strain parameters in left ventricular non-compaction cardiomyopathy. <i>Scientific Reports</i> , <b>2019</b> , 9, 15882	4.9	11
257	Cardiac magnetic resonance imaging to detect ischemia in chronic coronary syndromes: state of the art. <i>Kardiologia Polska</i> , <b>2019</b> , 77, 1123-1133	0.9	2

256	3D Medical Image Synthesis by Factorised Representation and Deformable Model Learning. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 110-119	0.9	4
255	Cardiovascular magnetic resonance T2* mapping for structural alterations in hypertrophic cardiomyopathy. <i>European Journal of Radiology Open</i> , <b>2019</b> , 6, 78-84	2.6	6
254	Myocardial triglycerides in cardiac amyloidosis assessed by proton cardiovascular magnetic resonance spectroscopy. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2019</b> , 21, 10	6.9	6
253	Validation of Finite Element Image Registration-based Cardiac Strain Estimation from Magnetic Resonance Images. <i>Proceedings in Applied Mathematics and Mechanics</i> , <b>2019</b> , 19, e201900418	0.2	3
252	5D Flow Tensor MRI to Efficiently Map Reynolds Stresses of Aortic Blood Flow In-Vivo. <i>Scientific Reports</i> , <b>2019</b> , 9, 18794	4.9	9
251	Left ventricular blood flow patterns at rest and under dobutamine stress in healthy pigs. <i>NMR in Biomedicine</i> , <b>2019</b> , 32, e4022	4.4	8
250	Hemodynamic Changes in the Right Ventricle Induced by Variations of Cardiac Output: A Possible Mechanism for Arrhythmia Occurrence in the Outflow Tract. <i>Scientific Reports</i> , <b>2019</b> , 9, 100	4.9	5
249	Cardiac- versus diaphragm-based respiratory navigation for proton spectroscopy of the heart. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2019</b> , 32, 259-268	2.8	5
248	On the limitations of partial Fourier acquisition in phase-contrast MRI of turbulent kinetic energy. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 514-523	4.4	5
247	Investigation of Neurodegenerative Processes in Amyotrophic Lateral Sclerosis Using White Matter Fiber Density. <i>Clinical Neuroradiology</i> , <b>2019</b> , 29, 493-503	2.7	8
246	Simultaneous multislice triple-echo steady-state (SMS-TESS) T <sub>1</sub> , T <sub>2</sub> , PD, and off-resonance mapping in the human brain. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1088-1100	4.4	4
245	3D image fusion of whole-heart dynamic cardiac MR perfusion and late gadolinium enhancement: Intuitive delineation of myocardial hypoperfusion and scar. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 48, 1129-1138	5.6	5
244	Assessing the influence of isoflurane anesthesia on cardiac metabolism using hyperpolarized [1- <sup>13</sup> C]pyruvate. <i>NMR in Biomedicine</i> , <b>2018</b> , 31, e3856	4.4	5
243	High-resolution hyperpolarized metabolic imaging of the rat heart using k-t PCA and k-t SPARSE. <i>NMR in Biomedicine</i> , <b>2018</b> , 31, e3876	4.4	10
242	Robust MR elastography stiffness quantification using a localized divergence free finite element reconstruction. <i>Medical Image Analysis</i> , <b>2018</b> , 44, 126-142	15.4	24
241	Overestimation of cardiac lactate production caused by liver metabolism of hyperpolarized [1- <sup>13</sup> C]pyruvate. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1882-1890	4.4	19
240	Myocardial Scar Delineation Using Diffusion Tensor Magnetic Resonance Tractography. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	28
239	Right ventricular outflow tract dimensions in arrhythmogenic right ventricular cardiomyopathy/dysplasia-a multicentre study comparing echocardiography and cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2018</b> , 19, 516-523	4.1	8

238	Direct comparison of in vivo versus postmortem second-order motion-compensated cardiac diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 2265-2276	4.4	17
237	Reducing Navigators in Free-Breathing Abdominal MRI via Temporal Interpolation Using Convolutional Neural Networks. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 2333-2343	11.7	1
236	The growth and evolution of cardiovascular magnetic resonance: a 20-year history of the Society for Cardiovascular Magnetic Resonance (SCMR) annual scientific sessions. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 8	6.9	8
235	Simple motion correction strategy reduces respiratory-induced motion artifacts for k-t accelerated and compressed-sensing cardiovascular magnetic resonance perfusion imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 6	6.9	23
234	Direct hyperpolarization of micro- and nanodiamonds for bioimaging applications - Considerations on particle size, functionalization and polarization loss. <i>Journal of Magnetic Resonance</i> , <b>2018</b> , 286, 42-51 <sup>3</sup>		12
233	Fusion of CT coronary angiography and whole-heart dynamic 3D cardiac MR perfusion: building a framework for comprehensive cardiac imaging. <i>International Journal of Cardiovascular Imaging</i> , <b>2018</b> , 34, 649-660	2.5	12
232	Exploiting multicompartment effects in triple-echo steady-state T mapping for fat fraction quantification. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 423-429	4.4	1
231	Encoding and readout strategies in magnetic resonance elastography. <i>NMR in Biomedicine</i> , <b>2018</b> , 31, e3919	4.4	10
230	Analysis and improvement of motion encoding in magnetic resonance elastography. <i>NMR in Biomedicine</i> , <b>2018</b> , 31, e3908	4.4	11
229	Quantitative myocardial first-pass cardiovascular magnetic resonance perfusion imaging using hyperpolarized [1-C] pyruvate. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 73	6.9	8
228	Enhancing intravoxel incoherent motion parameter mapping in the brain using k-b PCA. <i>NMR in Biomedicine</i> , <b>2018</b> , 31, e4008	4.4	6
227	Exploiting Endogenous Surface Defects for Dynamic Nuclear Polarization of Silicon Micro- and Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 25668-25680	3.8	7
226	Equilibrated warping: Finite element image registration with finite strain equilibrium gap regularization. <i>Medical Image Analysis</i> , <b>2018</b> , 50, 1-22	15.4	21
225	Second-order motion compensated PRESS for cardiac spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 57-64	4.4	7
224	A multisample dissolution dynamic nuclear polarization system for serial injections in small animals. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 904-910	4.4	11
223	Fiber up-sampling and quality assessment of tractograms - towards quantitative brain connectivity. <i>Brain and Behavior</i> , <b>2017</b> , 7, e00588	3.4	12
222	Turbulent Kinetic Energy Assessed by Multipoint 4-Dimensional Flow Magnetic Resonance Imaging Provides Additional Information Relative to Echocardiography for the Determination of Aortic Stenosis Severity. <i>Circulation: Cardiovascular Imaging</i> , <b>2017</b> , 10,	3.9	41
221	Material-Dependent Implant Artifact Reduction Using SEMAC-VAT and MAVRIC: A Prospective MRI Phantom Study. <i>Investigative Radiology</i> , <b>2017</b> , 52, 381-387	10.1	19

220	Maximum likelihood estimation of cardiac fiber bundle orientation from arbitrarily spaced diffusion weighted images. <i>Medical Image Analysis</i> , <b>2017</b> , 39, 56-77	15.4	5
219	Image-based background phase error correction in 4D flow MRI revisited. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 46, 1516-1525	5.6	28
218	Shear-scaling-based approach for irreversible energy loss estimation in stenotic aortic flow - An in vitro study. <i>Journal of Biomechanics</i> , <b>2017</b> , 56, 89-96	2.9	18
217	Nanometer size silicon particles for hyperpolarized MRI. <i>Scientific Reports</i> , <b>2017</b> , 7, 7946	4.9	14
216	Bayesian intravoxel incoherent motion parameter mapping in the human heart. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2017</b> , 19, 85	6.9	18
215	Temporal Interpolation of Abdominal MRIs Acquired During Free-Breathing. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 359-367	0.9	1
214	Multi-centre study of whole-heart dynamic 3D cardiac magnetic resonance perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve: gender based analysis of diagnostic performance. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2017</b> , 18, 1099-1106	4.1	6
213	021 Perfusion cardiovascular magnetic resonance (CMR) – can david (resolution) take on goliath (coverage) again?. <i>Heart</i> , <b>2017</b> , 103, A17.2-A18	5.1	
212	Dissolution DNP using trityl radicals at 7 T field. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 19196-19204	3.0	16
211	Hyperpolarized C urea myocardial first-pass perfusion imaging using velocity-selective excitation. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2017</b> , 19, 46	6.9	14
210	Analysis of spatiotemporal fidelity in quantitative 3D first-pass perfusion cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2017</b> , 19, 11	6.9	12
209	Accelerating 4D flow MRI by exploiting low-rank matrix structure and hadamard sparsity. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 1330-1341	4.4	16
208	ISMRM Raw data format: A proposed standard for MRI raw datasets. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 411-421	4.4	36
207	Accelerating MRI fat quantification using a signal model-based dictionary to assess gastric fat volume and distribution of fat fraction. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 37, 81-89	3.3	4
206	Uniformity and Deviation of Intra-axonal Cross-sectional Area Coverage of the Gray-to-White Matter Interface. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 729	5.1	2
205	Three-dimensional whole-heart vs. two-dimensional high-resolution perfusion-CMR: a pilot study comparing myocardial ischaemic burden. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2016</b> , 17, 900-8	4.1	10
204	Studying Dynamic Myofiber Aggregate Reorientation in Dilated Cardiomyopathy Using In Vivo Magnetic Resonance Diffusion Tensor Imaging. <i>Circulation: Cardiovascular Imaging</i> , <b>2016</b> , 9,	3.9	37
203	Emulsion Stability Modulates Gastric Secretion and Its Mixing with Emulsified Fat in Healthy Adults in a Randomized Magnetic Resonance Imaging Study. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 2158-2164	4.1	13

202	Second order motion compensated spin echo cardiac diffusion tensor imaging on clinical MR systems. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18,	6.9	1
201	Second-order motion-compensated spin echo diffusion tensor imaging of the human heart. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 1669-76	4.4	63
200	Effect of Bone Marrow-Derived Mononuclear Cell Treatment, Early or Late After Acute Myocardial Infarction: Twelve Months CMR and Long-Term Clinical Results. <i>Circulation Research</i> , <b>2016</b> , 119, 481-90	15.7	62
199	Hyperpolarized Metabolic MR Imaging of Acute Myocardial Changes and Recovery after Ischemia-Reperfusion in a Small-Animal Model. <i>Radiology</i> , <b>2016</b> , 278, 742-51	20.5	25
198	MR Image Reconstruction Using Block Matching and Adaptive Kernel Methods. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153736	3.7	4
197	A g-factor metric for k-t SENSE and k-t PCA based parallel imaging. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 562-71	4.4	4
196	On the accuracy of viscous and turbulent loss quantification in stenotic aortic flow using phase-contrast MRI. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 191-6	4.4	21
195	First fusion and combined evaluation of 3D-CMR perfusion with 3D-MR coronary angiography. <i>International Journal of Cardiology</i> , <b>2016</b> , 202, 62-3	3.2	4
194	The visualisation and quantification of human gastrointestinal fat distribution with MRI: a randomised study in healthy subjects. <i>British Journal of Nutrition</i> , <b>2016</b> , 115, 903-12	3.6	16
193	Quantitative comparison of 2D and 3D late gadolinium enhancement MR imaging in patients with Fabry disease and hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , <b>2016</b> , 217, 167-73	3.2	8
192	Spin echo versus stimulated echo diffusion tensor imaging of the in vivo human heart. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 862-72	4.4	41
191	Accelerating 4D flow MRI by exploiting vector field divergence regularization. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 115-25	4.4	18
190	Cardiovascular magnetic resonance for the assessment of coronary artery disease. <i>International Journal of Cardiology</i> , <b>2015</b> , 193, 84-92	3.2	13
189	Direct comparison of in-vivo and post-mortem spin-echo based diffusion tensor imaging in the porcine heart. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17,	6.9	1
188	Multicenter evaluation of dynamic three-dimensional magnetic resonance myocardial perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve. <i>Circulation: Cardiovascular Imaging</i> , <b>2015</b> , 8,	3.9	43
187	A g-factor metric for k-t-GRAPPA- and PEAK-GRAPPA-based parallel imaging. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 125-135	4.4	4
186	Heterogeneous growth-induced prestrain in the heart. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 2080-9	2.9	58
185	A Partial Domain Approach to Enable Aortic Flow Simulation Without Turbulent Modeling. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 544-551	0.9	1

184	4D flow cardiovascular magnetic resonance consensus statement. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17, 72	6.9	446
183	Real-time motion correction using gradient tones and head-mounted NMR field probes. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 647-60	4.4	34
182	Quantitative three-dimensional myocardial perfusion cardiovascular magnetic resonance with accurate two-dimensional arterial input function assessment. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2015</b> , 17, 108	6.9	12
181	Hybrid multiband excitation multiecho acquisition for hyperpolarized ( <sup>13</sup> C) spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1713-7	4.4	26
180	Accelerated cardiac MR stress perfusion with radial sampling after physical exercise with an MR-compatible supine bicycle ergometer. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 384-95	4.4	13
179	Algebraic reconstruction technique for parallel imaging reconstruction of undersampled radial data: application to cardiac cine. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1643-53	4.4	5
178	A robust comparison approach of velocity data between MRI and CFD based on divergence-free space projection <b>2015</b> ,		1
177	A Novel Method for Quantifying Smooth Regional Variations in Myocardial Contractility Within an Infarcted Human Left Ventricle Based on Delay-Enhanced Magnetic Resonance Imaging. <i>Journal of Biomechanical Engineering</i> , <b>2015</b> , 137, 081009	2.1	23
176	Closed-chest small animal model to study myocardial infarction in an MRI environment in real time. <i>International Journal of Cardiovascular Imaging</i> , <b>2015</b> , 31, 115-21	2.5	4
175	Robust myocardial T2 and T2 * mapping at 3T using image-based shimming. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 1013-20	5.6	10
174	Quantitative Analysis of Vortical Blood Flow in the Thoracic Aorta Using 4D Phase Contrast MRI. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139025	3.7	42
173	Cardiac Fibers Estimation from Arbitrarily Spaced Diffusion Weighted MRI. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 198-206	0.9	3
172	Simultaneous Denoising and Registration for Accurate Cardiac Diffusion Tensor Reconstruction from MRI. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 215-222	0.9	3
171	Thrombus formation in the left ventricle after large myocardial infarction Assessment with cardiac magnetic resonance imaging. <i>Swiss Medical Weekly</i> , <b>2015</b> , 145, w14122	3.1	8
170	T1 mapping in ischaemic heart disease. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 597-602	4.1	42
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