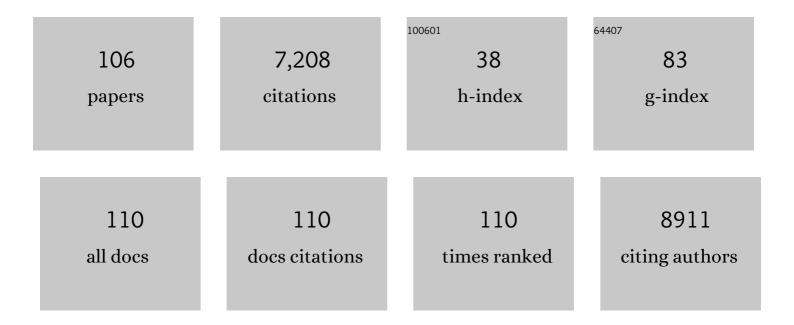
Leon Axel

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11887306/publications.pdf Version: 2024-02-01



Ι ΕΟΝ ΔΧΕΙ

#	Article	IF	CITATIONS
1	Analysis of three-chamber view conventional and tagged cine MRI in patients with suspected hypertrophic cardiomyopathy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 613-626.	1.1	0
2	The discrete Fourier transform for golden angle linogram sampling. Inverse Problems, 2019, 35, 125004.	1.0	1
3	Clinical Cardiac Magnetic Resonance Imaging Techniques. Contemporary Cardiology, 2019, , 17-50.	0.0	2
4	Analysis of Three-Chamber View Tagged Cine MRI in Patients with Suspected Hypertrophic Cardiomyopathy. Lecture Notes in Computer Science, 2019, , 425-432.	1.0	0
5	Two-dimensional XD-GRASP provides better image quality than conventional 2D cardiac cine MRI for patients who cannot suspend respiration. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 49-59.	1.1	2
6	Magnetic resonance imaging of myocardial strain: A review of current approaches. Journal of Magnetic Resonance Imaging, 2017, 46, 1263-1280.	1.9	49
7	Recent Advances in Cardiovascular Magnetic Resonance. Circulation: Cardiovascular Imaging, 2017, 10,	1.3	111
8	Use of self-gated radial cardiovascular magnetic resonance to detect and classify arrhythmias (atrial) Tj ETQq0 0 (2017, 18, 83.) rgBT /Ov 1.6	verlock 10 Tf 12
9	Multi-cycle Reconstruction of Cardiac MRI for the Analysis of Inter-ventricular Septum Motion During Free Breathing. Lecture Notes in Computer Science, 2017, 10263, 63-72.	1.0	1
10	Summary, Conclusions, and Future Directions of Heart Mechanics with MRI. , 2017, , 679-707.		0
11	Quantitative Perfusion Analysis of First-Pass Contrast Enhancement Kinetics: Application to MRI of Myocardial Perfusion in Coronary Artery Disease. PLoS ONE, 2016, 11, e0162067.	1.1	7
12	Accelerated MRI for the assessment of cardiac function. British Journal of Radiology, 2016, 89, 20150655.	1.0	33
13	The Mitral Valve in Obstructive Hypertrophic Cardiomyopathy. Journal of the American College of Cardiology, 2016, 67, 1846-1858.	1.2	191
14	XDâ€GRASP: Goldenâ€angle radial MRI with reconstruction of extra motionâ€state dimensions using compressed sensing. Magnetic Resonance in Medicine, 2016, 75, 775-788.	1.9	452
15	Stress Cardiac <scp>MRI</scp> in Women With Myocardial Infarction and Nonobstructive Coronary Artery Disease. Clinical Cardiology, 2016, 39, 596-602.	0.7	34
16	Analysis of cardiac interventricular septum motion in different respiratory states. , 2016, , .		1
17	Real time dynamic MRI by exploiting spatial and temporal sparsity. Magnetic Resonance Imaging, 2016, 34, 473-482.	1.0	23
18	Calibrationless Parallel Dynamic MRI with Joint Temporal Sparsity. Lecture Notes in Computer Science, 2016, , 95-102.	1.0	1

#	Article	IF	CITATIONS
19	Clearance systems in the brain—implications for Alzheimer disease. Nature Reviews Neurology, 2015, 11, 457-470.	4.9	1,127
20	Meshless deformable models for 3D cardiac motion and strain analysis from tagged MRI. Magnetic Resonance Imaging, 2015, 33, 146-160.	1.0	10
21	Goldenâ€angle radial sparse parallel MRI: Combination of compressed sensing, parallel imaging, and goldenâ€angle radial sampling for fast and flexible dynamic volumetric MRI. Magnetic Resonance in Medicine, 2014, 72, 707-717.	1.9	527
22	Compressed sensing with synchronized cardio-respiratory sparsity for free-breathing cine MRI: initial comparative study on patients with arrhythmias. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 017.	1.6	8
23	Deformable models with sparsity constraints for cardiac motion analysis. Medical Image Analysis, 2014, 18, 927-937.	7.0	34
24	Towards a five-minute comprehensive cardiac MR examination using highly accelerated parallel imaging with a 32-element coil array: Feasibility and initial comparative evaluation. Journal of Magnetic Resonance Imaging, 2013, 38, 180-188.	1.9	18
25	Arrhythmia insensitive rapid cardiac <i>T</i> ₁ mapping pulse sequence. Magnetic Resonance in Medicine, 2013, 70, 1274-1282.	1.9	56
26	Response to Letters Regarding Article, "Mechanisms of Myocardial Infarction in Women Without Angiographically Obstructive Coronary Artery Disease― Circulation, 2012, 126, .	1.6	0
27	Computational Biomechanics for Medicine. , 2011, 2011, 143-155.		2
28	Rapid cardiac T1 mapping within two heartbeats. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	1.6	3
29	Combination of compressed sensing and parallel imaging with respiratory motion correction for highly-accelerated cardiac perfusion MRI. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	1.6	15
30	Integrated quantitative first-pass cardiac perfusion MRI protocol. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	1.6	0
31	Quantitative contrastâ€enhanced firstâ€pass cardiac perfusion MRI at 3 tesla with accurate arterial input function and myocardial wall enhancement. Journal of Magnetic Resonance Imaging, 2011, 34, 676-684.	1.9	15
32	Mechanisms of Myocardial Infarction in Women Without Angiographically Obstructive Coronary Artery Disease. Circulation, 2011, 124, 1414-1425.	1.6	380
33	Incompressible Biventricular Model Construction and Heart Segmentation of 4D Tagged MRI. , 2011, , 143-155.		1
34	Image-guided radio-frequency gain calibration for high-field MRI. NMR in Biomedicine, 2010, 23, 368-374.	1.6	15
35	Rapid <i>B</i> ₁ ⁺ mapping using a preconditioning RF pulse with TurboFLASH readout. Magnetic Resonance in Medicine, 2010, 64, 439-446.	1.9	199
36	Combination of compressed sensing and parallel imaging for highly accelerated firstâ€pass cardiac perfusion MRI. Magnetic Resonance in Medicine, 2010, 64, 767-776.	1.9	456

#	Article	IF	CITATIONS
37	Numerical and in vivo validation of fast cine displacementâ€encoded with stimulated echoes (DENSE) MRI for quantification of regional cardiac function. Magnetic Resonance in Medicine, 2009, 62, 682-690.	1.9	29
38	Utility of cardiac MRI in detecting diastolic dysfunction: comparison with Doppler echocardiography and tissue Doppler imaging. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	1.6	2
39	Late gadolinium enhancement and T2 MR imaging features of cardiac sarcoidosis involving the left and right ventricle. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	1.6	0
40	Dependence of arterial input function on position in the left ventricle and time in the cardiac cycle. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	1.6	0
41	Quantitative assessment of intramyocardial function using Cine DENSE MRI: a validation study. Journal of Cardiovascular Magnetic Resonance, 2009, 11, P177.	1.6	0
42	Myocardial first-pass perfusion cardiovascular magnetic resonance: history, theory, and current state of the art. Journal of Cardiovascular Magnetic Resonance, 2008, 10, 18.	1.6	185
43	Comparison of the effectiveness of saturation pulses in the heart at 3T. Magnetic Resonance in Medicine, 2008, 59, 209-215.	1.9	31
44	Semiautomated Segmentation of Myocardial Contours for Fast Strain Analysis in Cine Displacement-Encoded MRI. IEEE Transactions on Medical Imaging, 2008, 27, 1084-1094.	5.4	65
45	Clinical Cardiac MRI Techniques. , 2008, , 33-77.		1
46	Theory-Based Signal Calibration with Single-Point T1 Measurements for First-Pass Quantitative Perfusion MRI Studies. Academic Radiology, 2006, 13, 686-693.	1.3	70
47	Advances in MRI tagging techniques for determining regional myocardial strain. Current Cardiology Reports, 2006, 8, 53-58.	1.3	29
48	Multislice, dual-imaging sequence for increasing the dynamic range of the contrast-enhanced blood signal and CNR of myocardial enhancement at 3T. Journal of Magnetic Resonance Imaging, 2006, 23, 81-86.	1.9	55
49	In-vivo motion analysis of bi-ventricular hearts from tagged MR images. , 2005, 5746, 184.		0
50	Computational Modeling and Simulation of Heart Ventricular Mechanics from Tagged MRI. Lecture Notes in Computer Science, 2005, , 369-383.	1.0	2
51	BO andB1-insensitive uniformT1-weighting for quantitative, first-pass myocardial perfusion magnetic resonance imaging. Magnetic Resonance in Medicine, 2005, 54, 1423-1429.	1.9	38
52	Tagged magnetic resonance imaging of the heart: a survey. Medical Image Analysis, 2005, 9, 376-393.	7.0	107
53	Three-dimensional systolic kinematics of the right ventricle. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H1826-H1833.	1.5	75
54	Volumetric heart modeling and analysis. Communications of the ACM, 2005, 48, 43-48.	3.3	15

#	Article	IF	CITATIONS
55	Computational modeling and simulation of heart ventricular mechanics with tagged MRI. , 2005, , .		4
56	Quantification of the curvature and shape of the interventricular septum. Magnetic Resonance in Medicine, 2004, 52, 154-163.	1.9	22
57	Increasing the signal-to-noise ratio in DENSE MRI by combining displacement-encoded echoes. Magnetic Resonance in Medicine, 2004, 52, 188-192.	1.9	37
58	Cerebral Perfusion CT Techniques. Radiology, 2004, 233, 935-935.	3.6	2
59	In vivo strain and stress estimation of the heart left and right ventricles from MRI images. Medical Image Analysis, 2003, 7, 435-444.	7.0	82
60	Interaction between noise suppression and inhomogeneity correction in MRI. , 2003, 5032, .		22
61	Left Ventricle Composite Material Model for Stress-Strain Analysis. Lecture Notes in Computer Science, 2003, , 218-229.	1.0	6
62	Tagged MRI-Based Studies of Cardiac Function. Lecture Notes in Computer Science, 2003, , 1-7.	1.0	1
63	Biomechanical Dynamics of the Heart with MRI. Annual Review of Biomedical Engineering, 2002, 4, 321-347.	5.7	51
64	Automated Segmentation of the Left and Right Ventricles in 4D Cardiac SPAMM Images. Lecture Notes in Computer Science, 2002, 2488, 620-633.	1.0	28
65	In-vivo Strain and Stress Estimation of the Left Ventricle from MRI Images. Lecture Notes in Computer Science, 2002, , 706-713.	1.0	7
66	Ultrafast three-dimensional contrast-enhanced magnetic resonance angiography and imaging in the diagnosis of partial anomalous pulmonary venous drainage. Journal of the American College of Cardiology, 2001, 37, 1120-1128.	1.2	81
67	Validation of in vivo myocardial strain measurement by magnetic resonance tagging with sonomicrometry. Journal of the American College of Cardiology, 2001, 38, 555-561.	1.2	101
68	Dynamic Cardiomyoplasty Decreases Myocardial Workload as Assessed by Tissue Tagged MRI. ASAIO Journal, 2000, 46, 556-562.	0.9	4
69	Cardiac-respiratory gating method for magnetic resonance imaging of the heart. Magnetic Resonance in Medicine, 2000, 43, 314-318.	1.9	18
70	Three-dimensional motion reconstruction and analysis of the right ventricle using tagged MRI. Medical Image Analysis, 2000, 4, 335-355.	7.0	501
71	Assessment of Synchronized Direct Mechanical Ventricular Actuation in a Canine Model of Left Ventricular Dysfunction. ASAIO Journal, 2000, 46, 756-760.	0.9	6
72	Focal Hypertrophic Cardiomyopathy Simulating a Mass. American Journal of Roentgenology, 2000, 174, 242-244.	1.0	30

#	Article	IF	CITATIONS
73	Cascaded MRI-SPAMM for LV motion analysis during a whole cardiac cycle. International Journal of Medical Informatics, 1999, 55, 117-126.	1.6	17
74	Effect of dobutamine on regional left ventricular function measured by tagged magnetic resonance imaging in normal subjects. American Journal of Cardiology, 1999, 83, 412-417.	0.7	51
75	Recognition of infarct localization by specific changes in intramural myocardial mechanics. American Heart Journal, 1999, 138, 1038-1045.	1.2	27
76	Right ventricular regional function using MR tagging: Normals versus chronic pulmonary hypertension. Magnetic Resonance in Medicine, 1998, 39, 116-123.	1.9	71
77	Integrated MRI assessment of regional function and perfusion in canine myocardial infarction. Magnetic Resonance in Medicine, 1998, 40, 311-326.	1.9	31
78	Scimitar Syndrome. Circulation, 1998, 98, 1583-1584.	1.6	12
79	Determination of Global Function and Regional Mechanics of Dynamic Cardiomyoplasty Using Magnetic Resonance Imaging. ASAIO Journal, 1998, 44, M491-M495.	0.9	8
80	Characterization of and correction for artifacts in linogram MRI. Magnetic Resonance in Medicine, 1997, 37, 275-284.	1.9	8
81	Global cardiac function using fast breath-hold MRI: Validation of new acquisition and analysis techniques. Magnetic Resonance in Medicine, 1997, 37, 683-692.	1.9	86
82	A dual approach to linogram imaging for MRI. Magnetic Resonance in Medicine, 1997, 38, 337-341.	1.9	6
83	Myocardial function in infarcted and remote regions early after infarction in man: Assessment by magnetic resonance tagging and strain analysis. Magnetic Resonance in Medicine, 1997, 38, 803-810.	1.9	88
84	Angiotensin-converting enzyme inhibition limits dysfunction in adjacent noninfarcted regions during left ventricular remodeling. Journal of the American College of Cardiology, 1996, 27, 211-217.	1.2	43
85	Myocardial perfusion and function in dogs with moderate coronary stenosis. Magnetic Resonance in Medicine, 1996, 35, 771-780.	1.9	91
86	Analysis of left ventricular wall motion based on volumetric deformable models and MRI-SPAMM. Medical Image Analysis, 1996, 1, 53-71.	7.0	189
87	Correction of motion artifacts in linogram and projection reconstruction MRI using geometry and consistency constraints. Medical Physics, 1996, 23, 251-262.	1.6	26
88	An improved quadrature or phased-array coil for MR cardiac imaging. Magnetic Resonance in Medicine, 1995, 34, 186-193.	1.9	62
89	Efficient Method for Selecting Cardiac Magnetic Resonance Image Locations. Investigative Radiology, 1992, 27, 91-92.	3.5	18
90	Evaluation of Aortic Regurgitation by Cardiac Cine Magnetic Resonance Imaging: Planar Analysis and Comparison to Doppler Echocardiography. Cardiology, 1991, 78, 340-347.	0.6	35

#	Article	IF	CITATIONS
91	Evaluation of mitral regurgitation by cine magnetic resonance imaging. American Journal of Cardiology, 1990, 66, 621-625.	0.7	56
92	Magnetic resonance imaging of blood flow. Magnetic Resonance in Medicine, 1990, 14, 171-171.	1.9	1
93	Hydrogen ultrathin phase-encoded spectroscopy (HUPSPEC). Magnetic Resonance in Medicine, 1990, 14, 507-521.	1.9	0
94	Correction of phase wrapping in magnetic resonance imaging. Medical Physics, 1989, 16, 284-287.	1.6	39
95	Magnetic resonance angiography by selective inversion recovery using a compact gradient echo sequence. Magnetic Resonance in Medicine, 1988, 8, 96-103.	1.9	79
96	Correlation of Cine MR Imaging with Two-Dimensional Pulsed Doppler Echocardiography in Valvular Insufficiency. Journal of Computer Assisted Tomography, 1987, 11, 627-632.	0.5	58
97	A computer simulation of nuclear magnetic resonance imaging. Magnetic Resonance in Medicine, 1986, 3, 363-376.	1.9	35
98	A time-of-flight method of measuring flow velocity by magnetic resonance imaging. Magnetic Resonance Imaging, 1986, 4, 199-205.	1.0	56
99	Chemical-Shift Magnetic Resonance Imaging of Two-Line Spectra by Gradient Reversal. Magnetic Resonance in Medicine, 1985, 2, 428-436.	1.9	15
100	Vascular Occlusions Detected by Magnetic Resonance Imaging. Magnetic Resonance in Medicine, 1985, 2, 540-554.	1.9	5
101	Ectopic embryo detection using real-time sonography. Journal of Clinical Ultrasound, 1985, 13, 545-554.	0.4	5
102	Noise performance of surface coils for magnetic resonance imaging at 1.5 T. Medical Physics, 1985, 12, 604-607.	1.6	99
103	Potential problems with selective pulses in NMR imaging systems. Medical Physics, 1984, 11, 772-777.	1.6	51
104	Surface Coil Magnetic Resonance Imaging. Journal of Computer Assisted Tomography, 1984, 8, 381-384.	0.5	82
105	Tissue Mean Transit Time from Dynamic Computed Tomography by a Simple Deconvolution Technique. Investigative Radiology, 1983, 18, 94-99.	3.5	217
106	Visualization and Analysis of Multidimensional Cardiovascular Magnetic Resonance Imaging: Challenges and Opportunities. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	2