

Dana C Peters

List of Publications by Year in descending order

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105
papers

4,117
citations

172457

29
h-index

118850

62
g-index

107
all docs

107
docs citations

107
times ranked

3653
citing authors

#	ARTICLE	IF	CITATIONS
1	Undersampled projection reconstruction applied to MR angiography. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 91-101.	3.0	346
2	Detection of Pulmonary Vein and Left Atrial Scar after Catheter Ablation with Three-dimensional Navigator-gated Delayed Enhancement MR Imaging: Initial Experience ¹ . <i>Radiology</i> , 2007, 243, 690-695.	7.3	320
3	Steady-state and dynamic MR angiography with MS-325: initial experience in humans.. <i>Radiology</i> , 1998, 207, 539-544.	7.3	240
4	Magnetic Resonance Fluoroscopy Allows Targeted Delivery of Mesenchymal Stem Cells to Infarct Borders in Swine. <i>Circulation</i> , 2003, 108, 2899-2904.	1.6	218
5	Cardiovascular Magnetic Resonance Characterization of Mitral Valve Prolapse. <i>JACC: Cardiovascular Imaging</i> , 2008, 1, 294-303.	5.3	194
6	Recurrence of Atrial Fibrillation Correlates With the Extent of Post-Procedural Late Gadolinium Enhancement. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 308-316.	5.3	157
7	Left atrial function and scar after catheter ablation of atrial fibrillation. <i>Heart Rhythm</i> , 2008, 5, 656-662.	0.7	147
8	Centering the projection reconstruction trajectory: Reducing gradient delay errors. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1-6.	3.0	138
9	Hypertrophic Cardiomyopathy: Quantification of Late Gadolinium Enhancement with Contrast-enhanced Cardiovascular MR Imaging. <i>Radiology</i> , 2011, 258, 128-133.	7.3	137
10	Evaluation of current algorithms for segmentation of scar tissue from late Gadolinium enhancement cardiovascular magnetic resonance of the left atrium: an open-access grand challenge. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 105.	3.3	136
11	Catheter-Based Endomyocardial Injection With Real-Time Magnetic Resonance Imaging. <i>Circulation</i> , 2002, 105, 1282-1284.	1.6	134
12	Delayed-Enhancement Cardiovascular Magnetic Resonance Coronary Artery Wall Imaging. <i>Journal of the American College of Cardiology</i> , 2007, 50, 441-447.	2.8	108
13	Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 170-176.	3.0	103
14	3D Time-resolved contrast-enhanced MR DSA: Advantages and tradeoffs. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 571-581.	3.0	93
15	Respiratory bellows revisited for motion compensation: Preliminary experience for cardiovascular MR. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1097-1102.	3.0	73
16	Multislice first-pass cardiac perfusion MRI: Validation in a model of myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 482-491.	3.0	72
17	Catheter-based endomyocardial injection with real-time magnetic resonance imaging. <i>Circulation</i> , 2002, 105, 1282-4.	1.6	65
18	Coronary magnetic resonance vein imaging: Imaging contrast, sequence, and timing. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 1196-1206.	3.0	64

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19	Real-Time Magnetic Resonance-Guided Endovascular Repair of Experimental Abdominal Aortic Aneurysm in Swine. <i>Journal of the American College of Cardiology</i> , 2005, 45, 2069-2077.	2.8	61
20	Relationship between intended sites of RF ablation and post-procedural scar in AF patients, using late gadolinium enhancement cardiovascular magnetic resonance. <i>Heart Rhythm</i> , 2010, 7, 489-496.	0.7	61
21	Left ventricular infarct size, periâ€infrac zone, and papillary scar measurements: A comparison of highâ€resolution 3D and conventional 2D late gadolinium enhancement cardiac MR. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 794-800.	3.4	58
22	Invasive human magnetic resonance imaging: Feasibility during revascularization in a combined XMR suite. <i>Catheterization and Cardiovascular Interventions</i> , 2005, 64, 265-274.	1.7	56
23	High-resolution MRI of cardiac function with projection reconstruction and steady-state free precession. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 82-88.	3.0	49
24	3D MR DSA: Effects of injection protocol and image masking. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 476-487.	3.4	47
25	Undersampled projection reconstruction for active catheter imaging with adaptable temporal resolution and catheter-only views. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 216-222.	3.0	46
26	3D breath-held cardiac function with projection reconstruction in steady state free precession validated using 2D cine MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 411-416.	3.4	45
27	Myocardial wall tagging with undersampled projection reconstruction. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 562-567.	3.0	37
28	Molecular Imaging of Extracellular Tumor pH to Reveal Effects of Locoregional Therapy on Liver Cancer Microenvironment. <i>Clinical Cancer Research</i> , 2020, 26, 428-438.	7.0	34
29	2D freeâ€breathing dual navigatorâ€gated cardiac function validated against the 2D breathâ€hold acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 773-777.	3.4	31
30	Prognostic and functional implications of left atrial late gadolinium enhancementâ€cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 2.	3.3	31
31	Inflow quantification in threeâ€dimensional cardiovascular MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1273-1279.	3.4	30
32	Extracellular pH mapping of liver cancer on a clinical 3T MRI scanner. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1553-1564.	3.0	30
33	Characterizing radial undersampling artifacts for cardiac applications. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 396-403.	3.0	29
34	Shorter difference between myocardium and blood optimal inversion time suggests diffuse fibrosis in dilated cardiomyopathy. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 967-972.	3.4	29
35	Evaluation of Papillary Muscle Function Using Cardiovascular Magnetic Resonance Imaging in Mitral Valve Prolapse. <i>American Journal of Cardiology</i> , 2010, 106, 243-248.	1.6	29
36	Pulmonary Vein Imaging: Comparison of 3D Magnetic Resonance Angiography with 2D Cine MRI for Characterizing Anatomy and Size. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2005, 7, 355-360.	3.3	25

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37	Circumferential myocardial strain in cardiomyopathy with and without left bundle branch block. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 2.	3.3	24
38	Noncontrast SSFP pulmonary vein magnetic resonance angiography: Impact of off-resonance and flow. Journal of Magnetic Resonance Imaging, 2010, 32, 1255-1261.	3.4	23
39	Effects of through-plane myocardial motion on phase-difference and complex-difference measurements of absolute coronary artery flow. Journal of Magnetic Resonance Imaging, 1996, 6, 113-123.	3.4	22
40	Evaluating the left atrium by magnetic resonance imaging. Europace, 2008, 10, iii22-iii27.	1.7	22
41	Pulmonary vein inflow artifact reduction for free-breathing left atrium late gadolinium enhancement. Magnetic Resonance in Medicine, 2011, 66, 180-186.	3.0	22
42	Left Atrial Late Gadolinium Enhancement is Associated With Incident Atrial Fibrillation as Detected by Continuous Monitoring With Implantable Loop Recorders. JACC: Cardiovascular Imaging, 2020, 13, 1690-1700.	5.3	22
43	Late Gadolinium Enhancement of the Esophagus is Common on Cardiac MR Several Months after Pulmonary Vein Isolation: Preliminary Observations. PACE - Pacing and Clinical Electrophysiology, 2010, 33, 661-666.	1.2	21
44	Coronary MR Imaging: Effect of Timing and Dose of Isosorbide Dinitrate Administration. Radiology, 2010, 254, 401-409.	7.3	21
45	Whole heart magnetization-prepared steady-state free precession coronary vein MRI. Journal of Magnetic Resonance Imaging, 2009, 29, 1293-1299.	3.4	20
46	Pseudo-random center placement O-space imaging for improved incoherence compressed sensing parallel MRI. Magnetic Resonance in Medicine, 2015, 73, 2212-2224.	3.0	20
47	Left atrial fibrosis correlates with extent of left ventricular myocardial delayed enhancement and left ventricular strain in hypertrophic cardiomyopathy. International Journal of Cardiovascular Imaging, 2019, 35, 1309-1318.	1.5	19
48	Left ventricular myocardial strain and tissue characterization by cardiac magnetic resonance imaging in immune checkpoint inhibitor associated cardiotoxicity. PLoS ONE, 2021, 16, e0246764.	2.5	19
49	Improving deuterium metabolic imaging (DMI) signal-to-noise ratio by spectroscopic multi-echo bSSFP: A pancreatic cancer investigation. Magnetic Resonance in Medicine, 2021, 86, 2604-2617.	3.0	19
50	Left atrial evaluation by cardiovascular magnetic resonance: sensitive and unique biomarkers. European Heart Journal Cardiovascular Imaging, 2021, 23, 14-30.	1.2	19
51	Association of Thrombolysis in Myocardial Infarction Myocardial Perfusion Grade with cardiovascular magnetic resonance measures of infarct architecture after primary percutaneous coronary intervention for ST-segment elevation myocardial infarction. American Heart Journal, 2009, 158, 84-91.	2.7	18
52	Basic Principles of Cardiovascular Magnetic Resonance * *Molarity of 1H can be estimated as approximately (2 moles hydrogen/mole H2O) \hat{A} (1mole H2O/18 g tissue). 1000 g/L (density of the body) \sim 100 mole/L. , 2010, , 3-18.		18
53	Assessment of diastolic function and atrial remodeling by MRI - validation and correlation with echocardiography and filling pressure. Physiological Reports, 2018, 6, e13828.	1.7	18
54	Reduced field of view and undersampled PR combined for interventional imaging of a fully dynamic field of view. Magnetic Resonance in Medicine, 2004, 51, 761-767.	3.0	16

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55	Inversion recovery radial MRI with interleaved projection sets. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1150-1156.	3.0	16
56	Respiratory bellows-gated late gadolinium enhancement of the left atrium. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1210-1214.	3.4	16
57	Experimental O-space turbo spin echo imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1654-1661.	3.0	16
58	T1-refBlochi: high resolution 3D post-contrast T1 myocardial mapping based on a single 3D late gadolinium enhancement volume, Bloch equations, and a reference T1. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 63.	3.3	16
59	The role of nonlinear gradients in parallel imaging: A k-space based analysis. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2012, 40A, 253-267.	0.5	15
60	CMR-Verified Lower LA Strain in the Presence of Regional Atrial Fibrosis in Atrial Fibrillation. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 207-208.	5.3	13
61	Left atrial late gadolinium enhancement with water-fat separation: The importance of phase-encoding order. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 119-125.	3.4	12
62	Cardiovascular Magnetic Resonance Imaging of Scar Development Following Pulmonary Vein Isolation: A Prospective Study. <i>PLoS ONE</i> , 2014, 9, e104844.	2.5	12
63	Coronary flow and flow reserve in canines using MR phase difference and complex difference processing. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 656-665.	3.0	10
64	FDG PET imaging of vascular inflammation in post-traumatic stress disorder: A pilot case-control study. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 688-694.	2.1	10
65	Automated left atrial time-resolved segmentation in MRI long-axis cine images using active contours. <i>BMC Medical Imaging</i> , 2021, 21, 101.	2.7	10
66	Three-dimensional late gadolinium-enhanced mr imaging of the left atrium: A comparison of spiral versus Cartesian k-space trajectories. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 211-216.	3.4	9
67	Basic Principles of Cardiovascular Magnetic Resonance. , 2019, , 1-14.e2.		9
68	Idarubicin-Loaded ONCOZENE Drug-Eluting Bead Chemoembolization in a Rabbit Liver Tumor Model: Investigating Safety, Therapeutic Efficacy, and Effects on Tumor Microenvironment. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1706-1716.e1.	0.5	9
69	Algebraic reconstruction technique for parallel imaging reconstruction of undersampled radial data: Application to cardiac cine. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1643-1653.	3.0	8
70	O-space with high resolution readouts outperforms radial imaging. <i>Magnetic Resonance Imaging</i> , 2017, 37, 107-115.	1.8	8
71	Method of B_0 mapping with magnitude-based correction for bipolar two-point Dixon cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1862-1869.	3.0	8
72	REPAIRit: Improving Myocardial Nulling and Ghosting Artifacts of 3D Navigator-Gated Late Gadolinium Enhancement Imaging During Arrhythmia. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 688-699.	3.4	8

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73	Multiecho acquisition of Oâ€space data. Magnetic Resonance in Medicine, 2014, 72, 1648-1657.	3.0	7
74	An Efficient Reconstruction Algorithm Based on the Alternating Direction Method of Multipliers for Joint Estimation of $\{R\}_{2}^{\ast}$ and Off-Resonance in fMRI. IEEE Transactions on Medical Imaging, 2017, 36, 1326-1336.	8.9	7
75	SUPER: A blockwise curveâ€fitting method for accelerating MR parametric mapping with fast reconstruction. Magnetic Resonance in Medicine, 2019, 81, 3515-3529.	3.0	7
76	MVnet: automated time-resolved tracking of the mitral valve plane in CMR long-axis cine images with residual neural networks: a multi-center, multi-vendor study. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 137.	3.3	6
77	MRI evaluation of RF ablation scarring for atrial fibrillation treatment. , 2007, , .		5
78	Optimization of onâ€resonant magnetization transfer contrast in coronary vein MRI. Magnetic Resonance in Medicine, 2010, 64, 1849-1854.	3.0	5
79	Aortic injury is common following pulmonary vein isolation. Heart Rhythm, 2013, 10, 653-658.	0.7	5
80	Valvular imaging in the era of featureâ€tracking: A sliceâ€following cardiac MR sequence to measure mitral flow. Journal of Magnetic Resonance Imaging, 2020, 51, 1412-1421.	3.4	5
81	Reverse double inversionâ€recovery: Improving motion robustness of cardiac T ₂ -weighted darkâ€blood turbo spinâ€echo sequence. Journal of Magnetic Resonance Imaging, 2018, 47, 1498-1508.	3.4	4
82	Interleaved, undersampled radial multipleâ€acquisition steadyâ€state free precession for improved left atrial cine imaging. Magnetic Resonance in Medicine, 2020, 83, 1721-1729.	3.0	4
83	TVnet: Automated Time-Resolved Tracking of the Tricuspid Valve Plane in MRI Long-Axis Cine Images with a Dual-Stage Deep Learning Pipeline. Lecture Notes in Computer Science, 2021, , 567-576.	1.3	4
84	Advanced Imaging of the Left Atrium with Cardiac Magnetic Resonance: A Review of Current and Emerging Methods and Clinical Applications. Current Radiology Reports, 2018, 6, 1.	1.4	3
85	Fat-saturated dark-blood cardiac T2 mapping in a single breath-hold. Magnetic Resonance Imaging, 2021, 81, 24-32.	1.8	3
86	Atrial fibrosis segmentation thresholds: a theoretical and empirical study. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P209.	3.3	2
87	Dynamicâ€flipâ€angle ECGâ€gating with nuisance signal regression improves restingâ€state BOLD functional connectivity mapping by reducing cardiogenic noise. Magnetic Resonance in Medicine, 2019, 82, 911-923.	3.0	2
88	Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging Presented in part at the 7th Scientific Meeting of the International Society for Magnetic Resonance in Medicine, May 22â€28, 1999, Philadelphia, Pennsylvania.. Magnetic Resonance in Medicine, 2000, 43, 170.	3.0	2
89	Relationship of Ostial Pulmonary Vein Scar with Reduction in Pulmonary Vein Size after Radiofrequency Ablation for the Treatment of Atrial Fibrillation: An Observational Cohort Study. Journal of Atrial Fibrillation, 2013, 5, 788.	0.5	2
90	Pulmonary Vein Imaging. , 2010, , 441-449.		1

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91	Accelerate data acquisition using Turbo Spin Echo and O-Space. , 2014, , .		1
92	Undersampled projection reconstruction applied to MR angiography. , 2000, 43, 91.		1
93	2100 Correlation of left atrial scar due to pulmonary vein ablation with recorded ablation sites. Journal of Cardiovascular Magnetic Resonance, 2008, 10, .	3.3	0
94	LGE of left atrial ablation lesions: effect of imaging time on lesion visualization. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	3.3	0
95	Respiratory bellows-gated left atrial late gadolinium enhancement. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	3.3	0
96	Left atrial remodeling by MRI: comparison in patients with and without cardiovascular disease. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P152.	3.3	0
97	Comparison of electroanatomic voltage mapping with late gadolinium enhancement CMR. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P153.	3.3	0
98	Diffusion Tensor CMR. JACC Basic To Translational Science, 2018, 3, 110-113.	4.1	0
99	The Authors Reply:. JACC: Cardiovascular Imaging, 2021, 14, 704-705.	5.3	0
100	57884 Fast strain-encoded cardiac magnetic resonance detects immune checkpoint inhibitor associated cardiotoxicity. Journal of Clinical and Translational Science, 2021, 5, 141-142.	0.6	0
101	MRI-guided drug and cell injection therapies for heart disease. , 2004, , 437-447.		0
102	Assessment of Pulmonary Venous Anatomy. , 2008, , 613-630.		0
103	Pulmonary Vein and Left Atrial Imaging. , 2019, , 500-508.e3.		0
104	Association of Left Atrial Fibrosis Detected by Delayed Enhancement Magnetic Resonance Imaging and Risk of Stroke in Patients with Atrial Fibrillation. Journal of Atrial Fibrillation, 2011, 4, 384.	0.5	0
105	Automated Measurements of Mitral and Tricuspid Annular Dimensions in Cardiovascular Magnetic Resonance. , 2022, , .		0