

# Dana C Peters

## List of Publications by Year in descending order

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105  
papers

4,117  
citations

172207

29  
h-index

118652

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.  | 1.9 | 346       |
| 2  | Detection of Pulmonary Vein and Left Atrial Scar after Catheter Ablation with Three-dimensional Navigator-gated Delayed Enhancement MR Imaging: Initial Experience <sup>1</sup> . <i>Radiology</i> , 2007, 243, 690-695.                                     | 3.6 | 320       |
| 3  | Steady-state and dynamic MR angiography with MS-325: initial experience in humans.. <i>Radiology</i> , 1998, 207, 539-544.   | 3.6 | 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.   | 2.3 | 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.   | 2.3 | 157       |
| 7  | Left atrial function and scar after catheter ablation of atrial fibrillation. <i>Heart Rhythm</i> , 2008, 5, 656-662.  | 0.3 | 147       |
| 8  | Centering the projection reconstruction trajectory: Reducing gradient delay errors. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1-6.   | 1.9 | 138       |
| 9  | Hypertrophic Cardiomyopathy: Quantification of Late Gadolinium Enhancement with Contrast-enhanced Cardiovascular MR Imaging. <i>Radiology</i> , 2011, 258, 128-133.  | 3.6 | 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. | 1.6 | 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.  | 1.2 | 108       |
| 13 | Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 170-176.   | 1.9 | 103       |
| 14 | 3D Time-resolved contrast-enhanced MR DSA: Advantages and tradeoffs. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 571-581.  | 1.9 | 93        |
| 15 | Respiratory bellows revisited for motion compensation: Preliminary experience for cardiovascular MR. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1097-1102.  | 1.9 | 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.  | 1.9 | 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.   | 1.9 | 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.   | 1.2 | 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.  | 0.3 | 61        |
| 21 | Left ventricular infarct size, periâ€infarct 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. | 1.9 | 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.   | 0.7 | 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.   | 1.9 | 49        |
| 24 | 3D MR DSA: Effects of injection protocol and image masking. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 476-487.   | 1.9 | 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.   | 1.9 | 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.   | 1.9 | 45        |
| 27 | Myocardial wall tagging with undersampled projection reconstruction. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 562-567.   | 1.9 | 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.  | 3.2 | 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.  | 1.9 | 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.  | 1.6 | 31        |
| 31 | Inflow quantification in threeâ€dimensional cardiovascular MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 1273-1279.  | 1.9 | 30        |
| 32 | Extracellular pH mapping of liver cancer on a clinical 3T MRI scanner. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1553-1564.   | 1.9 | 30        |
| 33 | Characterizing radial undersampling artifacts for cardiac applications. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 396-403.  | 1.9 | 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.   | 1.9 | 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.   | 0.7 | 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.   | 1.6 | 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.  | 1.6 | 24        |
| 38 | Noncontrast SSFP pulmonary vein magnetic resonance angiography: Impact of off-resonance and flow. Journal of Magnetic Resonance Imaging, 2010, 32, 1255-1261.  | 1.9 | 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.  | 1.9 | 22        |
| 40 | Evaluating the left atrium by magnetic resonance imaging. Europace, 2008, 10, iii22-iii27.   | 0.7 | 22        |
| 41 | Pulmonary vein inflow artifact reduction for free-breathing left atrium late gadolinium enhancement. Magnetic Resonance in Medicine, 2011, 66, 180-186.  | 1.9 | 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.   | 2.3 | 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.   | 0.5 | 21        |
| 44 | Coronary MR Imaging: Effect of Timing and Dose of Isosorbide Dinitrate Administration. Radiology, 2010, 254, 401-409.  | 3.6 | 21        |
| 45 | Whole heart magnetization-prepared steady-state free precession coronary vein MRI. Journal of Magnetic Resonance Imaging, 2009, 29, 1293-1299.   | 1.9 | 20        |
| 46 | Pseudo-random center placement O-space imaging for improved incoherence compressed sensing parallel MRI. Magnetic Resonance in Medicine, 2015, 73, 2212-2224.  | 1.9 | 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.   | 0.7 | 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.   | 1.1 | 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.   | 1.9 | 19        |
| 50 | Left atrial evaluation by cardiovascular magnetic resonance: sensitive and unique biomarkers. European Heart Journal Cardiovascular Imaging, 2021, 23, 14-30.  | 0.5 | 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. | 1.2 | 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.   | 0.7 | 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.   | 1.9 | 16        |

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|----|--|-----|-----------|
| 55 | Inversion recovery radial MRI with interleaved projection sets. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1150-1156.   | 1.9 | 16        |
| 56 | Respiratory bellows-gated late gadolinium enhancement of the left atrium. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1210-1214.  | 1.9 | 16        |
| 57 | Experimental O-space turbo spin echo imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1654-1661.   | 1.9 | 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.                             | 1.6 | 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.   | 0.2 | 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.  | 2.3 | 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.   | 1.9 | 12        |
| 62 | Cardiovascular Magnetic Resonance Imaging of Scar Development Following Pulmonary Vein Isolation: A Prospective Study. <i>PLoS ONE</i> , 2014, 9, e104844.   | 1.1 | 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.  | 1.9 | 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.  | 1.4 | 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.   | 1.4 | 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.  | 1.9 | 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. | 0.2 | 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.  | 1.9 | 8         |
| 70 | O-space with high resolution readouts outperforms radial imaging. <i>Magnetic Resonance Imaging</i> , 2017, 37, 107-115.   | 1.0 | 8         |
| 71 | Method of B <sub>0</sub> mapping with magnitude-based correction for bipolar two-point Dixon cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1862-1869.   | 1.9 | 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.   | 1.9 | 8         |

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|----|---|-----|-----------|
| 73 | Multiecho acquisition of Oâ€space data. Magnetic Resonance in Medicine, 2014, 72, 1648-1657.  | 1.9 | 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.   | 5.4 | 7         |
| 75 | SUPER: A blockwise curveâ€fitting method for accelerating MR parametric mapping with fast reconstruction. Magnetic Resonance in Medicine, 2019, 81, 3515-3529.  | 1.9 | 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.  | 1.6 | 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.   | 1.9 | 5         |
| 79 | Aortic injury is common following pulmonary vein isolation. Heart Rhythm, 2013, 10, 653-658.  | 0.3 | 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.  | 1.9 | 5         |
| 81 | Reverse double inversionâ€recovery: Improving motion robustness of cardiac T <sub>2</sub> -weighted darkâ€blood turbo spinâ€echo sequence. Journal of Magnetic Resonance Imaging, 2018, 47, 1498-1508.  | 1.9 | 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.  | 1.9 | 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.   | 1.0 | 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.   | 0.4 | 3         |
| 85 | Fat-saturated dark-blood cardiac T2 mapping in a single breath-hold. Magnetic Resonance Imaging, 2021, 81, 24-32.   | 1.0 | 3         |
| 86 | Atrial fibrosis segmentation thresholds: a theoretical and empirical study. Journal of Cardiovascular Magnetic Resonance, 2016, 18, P209.   | 1.6 | 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.   | 1.9 | 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. | 1.9 | 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, .   | 1.6 | 0         |
| 94  | LGE of left atrial ablation lesions: effect of imaging time on lesion visualization. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .  | 1.6 | 0         |
| 95  | Respiratory bellows-gated left atrial late gadolinium enhancement. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .  | 1.6 | 0         |
| 96  | Left atrial remodeling by MRI: comparison in patients with and without cardiovascular disease. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P152.  | 1.6 | 0         |
| 97  | Comparison of electroanatomic voltage mapping with late gadolinium enhancement CMR. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P153.   | 1.6 | 0         |
| 98  | Diffusion Tensor CMR. JACC Basic To Translational Science, 2018, 3, 110-113.  | 1.9 | 0         |
| 99  | The Authors Reply:. JACC: Cardiovascular Imaging, 2021, 14, 704-705.  | 2.3 | 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.                  | 0.3 | 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         |