

# Albert C Lardo

## List of Publications by Year in descending order

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85  
papers

11,074  
citations

71102

41  
h-index

66911

78  
g-index

86  
all docs

86  
docs citations

86  
times ranked

8970  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic Performance of Coronary Angiography by 64-Row CT. <i>New England Journal of Medicine</i> , 2008, 359, 2324-2336.	27.0	1,637
2	Intracoronary cardiosphere-derived cells for heart regeneration after myocardial infarction (CADUCEUS): a prospective, randomised phase 1 trial. <i>Lancet</i> , The, 2012, 379, 895-904.	13.7	1,294
3	Intracoronary Cardiosphere-Derived Cells After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2014, 63, 110-122.	2.8	468
4	Real-Time Magnetic Resonance Imaging: Diagnostic and Interventional Applications. <i>Pediatric Cardiology</i> , 2000, 21, 80-98.	1.3	461
5	Magnetic Resonance Assessment of the Substrate for Inducible Ventricular Tachycardia in Nonischemic Cardiomyopathy. <i>Circulation</i> , 2005, 112, 2821-2825.	1.6	434
6	Engraftment, Differentiation, and Functional Benefits of Autologous Cardiosphere-Derived Cells in Porcine Ischemic Cardiomyopathy. <i>Circulation</i> , 2009, 120, 1075-1083.	1.6	383
7	Contrast-Enhanced Multidetector Computed Tomography Viability Imaging After Myocardial Infarction. <i>Circulation</i> , 2006, 113, 394-404.	1.6	379
8	Clinical Utility and Safety of a Protocol for Noncardiac and Cardiac Magnetic Resonance Imaging of Patients With Permanent Pacemakers and Implantable-Cardioverter Defibrillators at 1.5 Tesla. <i>Circulation</i> , 2006, 114, 1277-1284.	1.6	321
9	Adenosine Stress 64- and 256-Row Detector Computed Tomography Angiography and Perfusion Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, 174-182.	2.6	305
10	Autologous Mesenchymal Stem Cells Produce Concordant Improvements in Regional Function, Tissue Perfusion, and Fibrotic Burden When Administered to Patients Undergoing Coronary Artery Bypass Grafting. <i>Circulation Research</i> , 2014, 114, 1302-1310.	4.5	305
11	A Prospective Evaluation of a Protocol for Magnetic Resonance Imaging of Patients With Implanted Cardiac Devices. <i>Annals of Internal Medicine</i> , 2011, 155, 415.	3.9	276
12	Cardiac Dyssynchrony Analysis Using Circumferential Versus Longitudinal Strain. <i>Circulation</i> , 2005, 111, 2760-2767.	1.6	267
13	Multidetector Computed Tomography Myocardial Perfusion Imaging During Adenosine Stress. <i>Journal of the American College of Cardiology</i> , 2006, 48, 153-160.	2.8	264
14	Safety of Magnetic Resonance Imaging in Patients with Cardiac Devices. <i>New England Journal of Medicine</i> , 2017, 377, 2555-2564.	27.0	243
15	Quantification of Myocardial Perfusion Using Dynamic 64-Detector Computed Tomography. <i>Investigative Radiology</i> , 2007, 42, 815-822.	6.2	237
16	Autologous mesenchymal stem cells produce reverse remodelling in chronic ischaemic cardiomyopathy. <i>European Heart Journal</i> , 2009, 30, 2722-2732.	2.2	231
17	Diagnostic Accuracy of Computed Tomography Coronary Angiography According to Pre-Test Probability of Coronary Artery Disease and Severity of Coronary Arterial Calcification. <i>Journal of the American College of Cardiology</i> , 2012, 59, 379-387.	2.8	222
18	Visualization and Temporal/Spatial Characterization of Cardiac Radiofrequency Ablation Lesions Using Magnetic Resonance Imaging. <i>Circulation</i> , 2000, 102, 698-705.	1.6	208

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19	Cardiac Magnetic Resonance Assessment of Dyssynchrony and Myocardial Scar Predicts Function Class Improvement Following Cardiac Resynchronization Therapy. <i>JACC: Cardiovascular Imaging</i> , 2008, 1, 561-568.	5.3	200
20	Magnetic Resonance-Based Anatomical Analysis of Scar-Related Ventricular Tachycardia. <i>Circulation Research</i> , 2007, 101, 939-947.	4.5	199
21	Feasibility of Real-Time Magnetic Resonance Imaging for Catheter Guidance in Electrophysiology Studies. <i>Circulation</i> , 2008, 118, 223-229.	1.6	186
22	Three-Dimensional Mapping of Optimal Left Ventricular Pacing Site for Cardiac Resynchronization. <i>Circulation</i> , 2007, 115, 953-961.	1.6	172
23	Computed Tomography Myocardial Perfusion Imaging With 320-Row Detector Computed Tomography Accurately Detects Myocardial Ischemia in Patients With Obstructive Coronary Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 333-340.	2.6	159
24	Multimodality Noninvasive Imaging Demonstrates In Vivo Cardiac Regeneration After Mesenchymal Stem Cell Therapy. <i>Journal of the American College of Cardiology</i> , 2006, 48, 2116-2124.	2.8	157
25	Reversal of Global Apoptosis and Regional Stress Kinase Activation by Cardiac Resynchronization. <i>Circulation</i> , 2008, 117, 1369-1377.	1.6	121
26	Characterization and Correction of Beam-hardening Artifacts during Dynamic Volume CT Assessment of Myocardial Perfusion. <i>Radiology</i> , 2010, 256, 111-118.	7.3	118
27	Magnetic Resonance Imaging Assessment of Ventricular Dyssynchrony. <i>Journal of the American College of Cardiology</i> , 2005, 46, 2223-2228.	2.8	113
28	Diagnostic Performance of Combined Noninvasive Coronary Angiography and Myocardial Perfusion Imaging Using 320-MDCT: The CT Angiography and Perfusion Methods of the CORE320 Multicenter Multinational Diagnostic Study. <i>American Journal of Roentgenology</i> , 2011, 197, 829-837.	2.2	113
29	Coronary CT angiography using 64 detector rows: methods and design of the multi-centre trial CORE-64. <i>European Radiology</i> , 2009, 19, 816-828.	4.5	110
30	Characterization of Peri-Infarct Zone Heterogeneity by Contrast-Enhanced Multidetector Computed Tomography. <i>Journal of the American College of Cardiology</i> , 2009, 53, 1699-1707.	2.8	97
31	Diminished Left Ventricular Dyssynchrony and Impact of Resynchronization in Failing Hearts With Right Versus Left Bundle Branch Block. <i>Journal of the American College of Cardiology</i> , 2007, 50, 1484-1490.	2.8	96
32	Patient Characteristics as Predictors of Image Quality and Diagnostic Accuracy of MDCT Compared With Conventional Coronary Angiography for Detecting Coronary Artery Stenoses: CORE-64 Multicenter International Trial. <i>American Journal of Roentgenology</i> , 2010, 194, 93-102.	2.2	94
33	Effect of the mitral valve on diastolic flow patterns. <i>Physics of Fluids</i> , 2014, 26, .	4.0	86
34	Resuscitation After Prolonged Ventricular Fibrillation With Use of Monophasic and Biphasic Waveform Pulses for External Defibrillation. <i>Circulation</i> , 2000, 101, 2968-2974.	1.6	65
35	Effect of trabeculae and papillary muscles on the hemodynamics of the left ventricle. <i>Theoretical and Computational Fluid Dynamics</i> , 2016, 30, 3-21.	2.2	64
36	Applications of cardiac multidetector CT beyond coronary angiography. <i>Nature Reviews Cardiology</i> , 2009, 6, 699-710.	13.7	61

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37	A New Method for Cardiac Computed Tomography Regional Function Assessment. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 243-250.	2.6	59
38	Integration of Infarct Size, Tissue Perfusion, and Metabolism by Hybrid Cardiac Positron Emission Tomography/Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, 299-305.	2.6	52
39	Recent developments in wide-detector cardiac computed tomography. <i>International Journal of Cardiovascular Imaging</i> , 2009, 25, 23-29.	1.5	52
40	Prospective ECG-gated 320 row detector computed tomography: implications for CT angiography and perfusion imaging. <i>International Journal of Cardiovascular Imaging</i> , 2009, 25, 201-208.	1.5	49
41	Enhanced Infarct Border Zone Function and Altered Mechanical Activation Predict Inducibility of Monomorphic Ventricular Tachycardia in Patients with Ischemic Cardiomyopathy. <i>Radiology</i> , 2007, 245, 712-719.	7.3	44
42	Cardiovascular magnetic resonance guided electrophysiology studies. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, 21.	3.3	39
43	Image-based reconstruction of three-dimensional myocardial infarct geometry for patient-specific modeling of cardiac electrophysiology. <i>Medical Physics</i> , 2015, 42, 4579-4590.	3.0	38
44	Multiparametric Molecular Imaging Provides Mechanistic Insights into Sympathetic Innervation Impairment in the Viable Infarct Border Zone. <i>Journal of Nuclear Medicine</i> , 2015, 56, 457-463.	5.0	37
45	Prospective Electrocardiogram-Gated Delayed Enhanced Multidetector Computed Tomography Accurately Quantifies Infarct Size and Reduces Radiation Exposure. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 412-420.	5.3	36
46	Cardiovascular magnetic resonance characterization of peri-infarct zone remodeling following myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 24.	3.3	36
47	Transmural Imaging of Ventricular Action Potentials and Post-Infarction Scars in Swine Hearts. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 731-747.	8.9	36
48	A Method for Reconstructing the Arterial Input Function during Helical CT: Implications for Myocardial Perfusion Distribution Imaging. <i>Radiology</i> , 2010, 255, 396-404.	7.3	31
49	Linear lesions in myocardium created by Nd:YAG laser using diffusing optical fibers: In vitro and in vivo results. <i>Lasers in Surgery and Medicine</i> , 2000, 27, 295-304.	2.1	29
50	Usefulness of Left Ventricular Dyssynchrony After Acute Myocardial Infarction, Assessed by a Tagging Magnetic Resonance Image Derived Metric, as a Determinant of Ventricular Remodeling. <i>American Journal of Cardiology</i> , 2009, 104, 19-23.	1.6	28
51	Cardiac magnetic resonance assessment of mechanical dyssynchrony. <i>Current Opinion in Cardiology</i> , 2008, 23, 440-446.	1.8	26
52	CT for Evaluation of Myocardial Cell Therapy in Heart Failure. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 1284-1293.	5.3	26
53	Regional Strain Analysis with Multidetector CT in a Swine Cardiomyopathy Model: Relationship to Cardiac MR Tagging and Myocardial Fibrosis. <i>Radiology</i> , 2015, 277, 88-94.	7.3	25
54	Laser ablation of the pulmonary veins by using a fiberoptic balloon catheter: Implications for treatment of paroxysmal atrial fibrillation. <i>Lasers in Surgery and Medicine</i> , 2001, 28, 197-203.	2.1	24

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55	Quantitative and qualitative analysis and interpretation of CT perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2010, 17, 1091-1100.	2.1	22
56	Estimating coronary blood flow using CT transluminal attenuation flow encoding: Formulation, preclinical validation, and clinical feasibility. <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 559-566.e1.	1.3	20
57	Expanding the Versatility of Cardiac PET/CT: Feasibility of Delayed Contrast Enhancement CT for Infarct Detection in a Porcine Model. <i>Journal of Nuclear Medicine</i> , 2009, 50, 259-265.	5.0	18
58	Assessment of coronary blood flow with computed tomography and magnetic resonance imaging. <i>Journal of Nuclear Cardiology</i> , 2010, 17, 582-590.	2.1	17
59	Patterns of coronary arterial lesion calcification by a novel, cross-sectional CT angiographic assessment. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1619-1627.	1.5	17
60	Image-guided therapies for myocardial repair: concepts and practical implementation. <i>European Heart Journal Cardiovascular Imaging</i> , 2013, 14, 741-751.	1.2	16
61	A new twist on an old idea: a two-dimensional speckle tracking assessment of cyclosporine as a therapeutic alternative for heart failure with preserved ejection fraction. <i>Physiological Reports</i> , 2013, 1, e00174.	1.7	15
62	Accuracy of multidetector computed tomography for detection of coronary artery stenosis in acute coronary syndrome compared with stable coronary disease: A CORE64 multicenter trial substudy. <i>International Journal of Cardiology</i> , 2014, 177, 385-391.	1.7	14
63	Prospective Comparison of Lesions Created Using a Multipolar Microcatheter Ablation System with Those Created Using a Fullback Approach with Standard Radiofrequency Ablation in the Canine Atrium. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2000, 23, 203-213.	1.2	13
64	CT Perfusion: Ready for Prime Time. <i>Current Cardiology Reports</i> , 2011, 13, 57-66.	2.9	13
65	Non-invasive electromechanical activation imaging as a tool to study left ventricular dyssynchronous patients: Implication for CRT therapy. <i>Journal of Electrocardiology</i> , 2016, 49, 375-382.	0.9	11
66	Quantitative Analysis of First-Pass Contrast-Enhanced Myocardial Perfusion Multidetector CT Using a Patlak Plot Method and Extraction Fraction Correction During Adenosine Stress. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 133-138.	2.0	10
67	Myocardial Dyssynchrony and Resynchronization. <i>Heart Failure Clinics</i> , 2006, 2, 179-192.	2.1	9
68	CT-Based Myocardial Perfusion Imaging-Practical Considerations: Acquisition, Image Analysis, Interpretation, and Challenges. <i>Journal of Cardiovascular Translational Research</i> , 2011, 4, 437-448.	2.4	9
69	Imaging of myocardial dyssynchrony in congestive heart failure. <i>Heart Failure Reviews</i> , 2006, 11, 289-303.	3.9	7
70	Quantitative analysis of first-pass contrast-enhanced myocardial perfusion multidetector CT using a Patlak plot method and extraction fraction correction during adenosine stress. , 2009, , .		7
71	Image-based reconstruction of 3D myocardial infarct geometry for patient specific applications. <i>Proceedings of SPIE</i> , 2015, 9413, .	0.8	7
72	Flow Dynamics in the Aortic Arch and Its Effect on the Arterial Input Function in Cardiac Computed Tomography. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	7

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73	Added value of CT myocardial perfusion imaging. <i>Current Cardiovascular Imaging Reports</i> , 2008, 1, 96-104.	0.6	6
74	Left Ventricular Function, Myocardial Perfusion and Viability. <i>Cardiology Clinics</i> , 2009, 27, 645-654.	2.2	6
75	Evaluation of equivalence of upslope method-derived myocardial perfusion index and transfer constant based on two-compartment tracer kinetic model. , 2010, , .		3
76	Efficacy of cardiac resynchronization in acutely infarcted canine hearts with electromechanical dyssynchrony. <i>Heart Rhythm</i> , 2014, 11, 1819-1826.	0.7	3
77	Insights from Novel Noninvasive CT and ECG Imaging Modalities on Electromechanical Myocardial Activation in a Canine Model of Ischemic Dyssynchronous Heart Failure. <i>Journal of Cardiovascular Electrophysiology</i> , 2016, 27, 1454-1461.	1.7	3
78	Effect of intravenous infusion of iodinated contrast media on the coronary blood flow in dogs. <i>IJC Heart and Vasculature</i> , 2016, 12, 11-14.	1.1	3
79	Coronary flow reserve by CT perfusion. <i>Journal of Nuclear Cardiology</i> , 2010, 17, 540-543.	2.1	1
80	Quantification of myocardial blood flow using the combination of bolus tracking and time-registered helical multidetector CT angiography during adenosine stress. , 2010, , .		1
81	Estimation of ventricular fiber orientations in infarcted hearts for patient-specific simulations. , 2013, , .		1
82	Transmural Electrophysiologic and Scar Imaging on Porcine Heart with Chronic Infarction. <i>Lecture Notes in Computer Science</i> , 2012, , 23-32.	1.3	1
83	A Noninvasive Assessment of Flow Based on Contrast Dispersion in Computed Tomography Angiography: A Computational and Experimental Phantom Study. <i>Journal of Biomechanical Engineering</i> , 2022, 144, .	1.3	1
84	Segmentation-based algorithms to quantify nonviable myocardium after delayed contrast-enhanced computed tomography: defining whatâ€™s dead. <i>Journal of Cardiovascular Computed Tomography</i> , 2008, 2, 33-35.	1.3	0
85	CT Detection of Myocardial Perfusion, Infarction, and Viability. , 2010, , 148-154.		0