Victor G Davila-Roman

List of Publications by Year
in descending order

122 papers	10,245 citations	57758 44 h-index	32842 100 g-index
124 all docs	124 docs citations	124 times ranked	10342 citing authors

#	Article	IF	Citations
1	Facing the Realities of Pragmatic Design Choices in Environmental Health Studies: Experiences from the Household Air Pollution Intervention Network Trial. International Journal of Environmental Research and Public Health, 2022, 19, 3790.	2.6	0
2	High rates of undiagnosed and uncontrolled hypertension upon a screening campaign in rural Rwanda: a cross-sectional study. BMC Cardiovascular Disorders, 2022, 22, 197.	1.7	3
3	Effects of a Liquefied Petroleum Gas Stove Intervention on Gestational Blood Pressure: Intention-to-Treat and Exposure-Response Findings From the HAPIN Trial. Hypertension, 2022, 79, 1887-1898.	2.7	7
4	Effects of a Household Air Pollution Intervention with Liquefied Petroleum Gas on Cardiopulmonary Outcomes in Peru. A Randomized Controlled Trial. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1386-1397.	5.6	33
5	A risk assessment tool for resumption of research activities during the COVID-19 pandemic for field trials in low resource settings. BMC Medical Research Methodology, 2021, 21, 68.	3.1	8
6	Prenatal Low-Dose Aspirin Use Associated with Reduced Incidence of Postpartum Hypertension among Women with Preeclampsia. American Journal of Perinatology, 2021, , .	1.4	0
7	Ultrasound Core Laboratory for the Household Air Pollution Intervention Network Trial: Standardized Training and Image Management for Field Studies Using Portable Ultrasound in Fetal, Lung, and Vascular Evaluations. Ultrasound in Medicine and Biology, 2021, 47, 1506-1513.	1.5	4
8	Making a SPLASH for Rheumatic Heart Disease. Circulation: Cardiovascular Imaging, 2021, 14, e013232.	2.6	1
9	Exploring contextual factors influencing the implementation of evidence-based care for hypertension in Rwanda: a cross-sectional study using the COACH questionnaire. BMJ Open, 2021, 11, e048425.	1.9	1
10	Developing the Core Pillars of Training Global Cardiovascular Health Researchers: Companionship, Light, and Fuel. Global Heart, 2020, 14, 387.	2.3	1
11	The Spectrum of Pregnancy-Associated Heart Failure Phenotypes: An Echocardiographic Study. International Journal of Cardiovascular Imaging, 2020, 36, 1637-1645.	1.5	9
12	Lung Ultrasound in Cardiac Intensive Care. Circulation: Cardiovascular Imaging, 2020, 13, e010909.	2.6	0
13	Design and Rationale of the HAPIN Study: A Multicountry Randomized Controlled Trial to Assess the Effect of Liquefied Petroleum Gas Stove and Continuous Fuel Distribution. Environmental Health Perspectives, 2020, 128, 47008.	6.0	72
14	Proactive prevention: Act now to disrupt the impending non-communicable disease crisis in low-burden populations. PLoS ONE, 2020, 15, e0243004.	2.5	1
15	Low dose chloroquine decreases insulin resistance in human metabolic syndrome but does not reduce carotid intima-media thickness. Diabetology and Metabolic Syndrome, 2019, 11, 61.	2.7	15
16	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. American Journal of Human Genetics, 2019, 104, 112-138.	6.2	106
17	High-sensitivity cardiac troponin T increases after stress echocardiography. Clinical Biochemistry, 2019, 63, 18-23.	1.9	16
18	Dissemination and Implementation Program in Hypertension in Rwanda: Report on Initial Training and Evaluation. Global Heart, 2019, 14, 135.	2.3	9

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19	Determinants of Diuretic Responsiveness and Associated Outcomes During Acute Heart Failure Hospitalization: An Analysis From the NHLBI Heart Failure Network Clinical Trials. Journal of Cardiac Failure, 2018, 24, 428-438.	1.7	31
20	Effect of Inorganic Nitrite vs Placebo on Exercise Capacity Among Patients With Heart Failure With Preserved Ejection Fraction. JAMA - Journal of the American Medical Association, 2018, 320, 1764.	7.4	187
21	Sex affects myocardial blood flow and fatty acid substrate metabolism in humans with nonischemic heart failure. Journal of Nuclear Cardiology, 2017, 24, 1226-1235.	2.1	27
22	INDIE-HFpEF (Inorganic Nitrite Delivery to Improve Exercise Capacity in Heart Failure With Preserved) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	47
23	Endogenous Cholesterol Excretion Is Negatively Associated With Carotid Intimaâ€“Media Thickness in Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2364-2369.	2.4	18
24	Diagnostic accuracy of damage-associated molecular patterns (DAMPs) in patients with heart failure with a reduced ejection fraction. Journal of Clinical and Translational Science, 2017, 1, 208-209.	0.6	2
25	Effects of a liquefied petroleum gas stove intervention on pollutant exposure and adult cardiopulmonary outcomes (CHAP): study protocol for a randomized controlled trial. Trials, 2017, 18, 518.	1.6	31
26	Development and Evaluation of Two Abbreviated Questionnaires for Mentoring and Research Self-Efficacy. Ethnicity and Disease, 2017, 27, 179.	2.3	16
27	Mentored Training to Increase Diversity among Faculty in the Biomedical Sciences: The NHLBI Summer Institute Programs to Increase Diversity (SIPID) and the Programs to Increase Diversity among Individuals Engaged in Health-related Research (PRIDE). Ethnicity and Disease, 2017, 27, 249.	2.3	23
28	A Perspective on Promoting Diversity in the Biomedical Research Workforce: The National Heart, Lung, and Blood Instituteâ€™s PRIDE Program. Ethnicity and Disease, 2016, 26, 379.	2.3	13
29	Major Depression and Long-Term Survival of Patients With Heart Failure. Psychosomatic Medicine, 2016, 78, 896-903.	2.0	56
30	Effects of the Novel Long-Acting GLP-1 Agonist, Albiglutide, on Cardiac Function, Cardiac Metabolism, and Exercise Capacity in Patients With Chronic Heart Failure and Reduced Ejection Fraction. JACC: Heart Failure, 2016, 4, 559-566.	4.1	102
31	Timing and Causes of Readmission After Acute Heart Failure Hospitalizationâ€”Insights From the Heart Failure Network Trials. Journal of Cardiac Failure, 2016, 22, 875-883.	1.7	78
32	Dark Adaptation at High Altitude: An Unexpected Pupillary Response to Chronic Hypoxia in Andean Highlanders. High Altitude Medicine and Biology, 2016, 17, 208-213.	0.9	4
33	Depression and Multiple Rehospitalizations in Patients With Heart Failure. Clinical Cardiology, 2016, 39, 257-262.	1.8	57
34	Increased Cardiometabolic Risk and Worsening Hypoxemia at High Altitude. High Altitude Medicine and Biology, 2016, 17, 93-100.	0.9	38
35	A Diet Rich in Medium-Chain Fatty Acids Improves Systolic Function and Alters the Lipidomic Profile in Patients With Type 2 Diabetes: A Pilot Study. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 504-512.	3.6	39
36	Intensification of Medication Therapy for Cardiorenal Syndrome in Acute Decompensated Heart Failure. Journal of Cardiac Failure, 2016, 22, 26-32.	1.7	48

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37	Type 2 diabetes, obesity, and sex difference affect the fate of glucose in the human heart. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1510-H1516.	3.2	31
38	Nitrateâ€™s Effect on Activity Tolerance in Heart Failure With Preserved Ejection Fraction Trial. Circulation: Heart Failure, 2015, 8, 221-228.	3.9	31
39	2014 ACC/AHA Guideline on Perioperative Cardiovascular Evaluation and Management of Patients Undergoing Noncardiac Surgery: Executive Summary. Journal of Nuclear Cardiology, 2015, 22, 162-215.	2.1	163
40	Relationship Between Daily Exposure to Biomass Fuel Smoke and Blood Pressure in High-Altitude Peru. Hypertension, 2015, 65, 1134-1140.	2.7	60
41	2014 ACC/AHA Guideline on Perioperative Cardiovascular Evaluation and Management of Patients Undergoing Noncardiac Surgery. Circulation, 2014, 130, e278-333.	1.6	829
42	2014 ACC/AHA Guideline on Perioperative Cardiovascular Evaluation and Management of Patients Undergoing Noncardiac Surgery: Executive Summary. Circulation, 2014, 130, 2215-2245.	1.6	608
43	Prevalence, Clinical Profile, Iron Status, and Subject-Specific Traits for Excessive Erythrocytosis in Andean Adults Living Permanently at 3,825 Meters Above Sea Level. Chest, 2014, 146, 1327-1336.	0.8	43
44	Lack of association between chronic exposure to biomass fuel smoke and markers of right ventricular pressure overload at high altitude. American Heart Journal, 2014, 168, 731-738.	2.7	14
45	2014 ACC/AHA Guideline on Perioperative Cardiovascular Evaluation and Management of Patients Undergoing Noncardiac Surgery: Executive Summary. Journal of the American College of Cardiology, 2014, 64, 2373-2405.	2.8	88
46	Cardiovascular Phenotype in HFpEF Patients With or Without Diabetes. Journal of the American College of Cardiology, 2014, 64, 541-549.	2.8	157
47	2014 ACC/AHA Guideline on Perioperative Cardiovascular Evaluation and Management of PatientsÂUndergoing Noncardiac Surgery. Journal of the American College of Cardiology, 2014, 64, e77-e137.	2.8	1,135
48	Left Ventricular Mass Progression despite Stable Blood Pressure and Kidney Function in Stage 3 Chronic Kidney Disease. American Journal of Nephrology, 2014, 39, 392-399.	3.1	30
49	The St. Louis African American health-heart study: methodology for the study of cardiovascular disease and depression in young-old African Americans. BMC Cardiovascular Disorders, 2013, 13, 66.	1.7	4
50	Effects of Phosphate Binder Therapy on Vascular Stiffness in Early-Stage Chronic Kidney Disease. American Journal of Nephrology, 2013, 38, 158-167.	3.1	65
51	Relationships Among HIV Infection, Metabolic Risk Factors, and Left Ventricular Structure and Function. AIDS Research and Human Retroviruses, 2013, 29, 1151-1160.	1.1	3
52	Low-Dose Dopamine or Low-Dose Nesiritide in Acute Heart Failure With Renal Dysfunction. JAMA - Journal of the American Medical Association, 2013, 310, 2533.	7.4	410
53	Comparable Performance of the Kansas City Cardiomyopathy Questionnaire in Patients With Heart Failure With Preserved and Reduced Ejection Fraction. Circulation: Heart Failure, 2013, 6, 1139-1146.	3.9	130
54	Pathway-based genome-wide association analysis of coronary heart disease identifies biologically important gene sets. European Journal of Human Genetics, 2012, 20, 1168-1173.	2.8	26

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55	18FDG PET-CT imaging detects arterial inflammation and early atherosclerosis in HIV-infected adults with cardiovascular disease risk factors. Journal of Inflammation, 2012, 9, 26.	3.4	44
56	Abnormalities in Cardiac Structure and Function in Adults with Sickle Cell Disease are not Associated with Pulmonary Hypertension. Journal of the American Society of Echocardiography, 2011, 24, 1285-1290.	2.8	16
57	Myocardial Oxygen Consumption Change Predicts Left Ventricular Relaxation Improvement in Obese Humans After Weight Loss. Obesity, 2011, 19, 1804-1812.	3.0	62
58	Variable set enrichment analysis in genome-wide association studies. European Journal of Human Genetics, 2011, 19, 893-900.	2.8	14
59	Effects of human immunodeficiency virus and metabolic complications on myocardial nutrient metabolism, blood flow, and oxygen consumption: a cross-sectional analysis. Cardiovascular Diabetology, 2011, 10, 111.	6.8	10
60	Effects of Sodium Thiosulfate on Vascular Calcification in End-Stage Renal Disease: A Pilot Study of Feasibility, Safety and Efficacy. American Journal of Nephrology, 2011, 33, 131-138.	3.1	45
61	Association and interaction of PPAR-complex gene variants with latent traits of left ventricular diastolic function. BMC Medical Genetics, 2010, 11, 65.	2.1	5
62	Molecular Determinants of the Cardiometabolic Phenotype. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2010, 10, 109-123.	1.2	7
63	Are Normative Values for LV Geometry and Mass Based on Fundamental Imaging Valid with Use ofÂHarmonic Imaging?. Journal of the American Society of Echocardiography, 2010, 23, 1317-1322.	2.8	6
64	Central aortic pressure is independently associated with diastolic function. American Heart Journal, 2010, 159, 1081-1088.	2.7	15
65	Relation of Serum Fetuin-A Levels to Coronary Artery Calcium in African-American Patients on Chronic Hemodialysis. American Journal of Cardiology, 2009, 103, 46-49.	1.6	23
66	Effect of Moderate Diet-Induced Weight Loss and Weight Regain on Cardiovascular Structure and Function. Journal of the American College of Cardiology, 2009, 54, 2376-2381.	2.8	130
67	Interatrial Conduction Time and Left Atrial Function in Patients With Left Ventricular Systolic Dysfunction: Effects of Cardiac Resynchronization Therapy. Journal of the American Society of Echocardiography, 2009, 22, 472-477.	2.8	21
68	Prognostic Value of Troponin I Levels for Predicting Adverse Cardiovascular Outcomes in Postmenopausal Women Undergoing Cardiac Surgery. Anesthesia and Analgesia, 2009, 108, 719-726.	2.2	12
69	Enhanced detection of genetic association of hypertensive heart disease by analysis of latent phenotypes. Genetic Epidemiology, 2008, 32, 528-538.	1.3	7
70	Left Ventricular Diastolic Filling Prior to Cardiac Resynchronization Therapy: Implications for Atrioventricular Delay Programming. PACE - Pacing and Clinical Electrophysiology, 2008, 31, 838-844.	1.2	11
71	Doppler Echocardiographic Methods for Optimization of the Atrioventricular Delay during Cardiac Resynchronization Therapy. Echocardiography, 2008, 25, 1047-1055.	0.9	23
72	Risk Factors for Neurocognitive Dysfunction After Cardiac Surgery in Postmenopausal Women. Annals of Thoracic Surgery, 2008, 86, 511-516.	1.3	15

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73	Osteopontin Promoter Polymorphism Is Associated With Increased Carotid Intima-Media Thickness. Journal of the American Society of Echocardiography, 2008, 21, 954-960.	2.8	25
74	The Role of Postoperative Neurocognitive Dysfunction on Quality of Life for Postmenopausal Women 6 Months After Cardiac Surgery. Anesthesia and Analgesia, 2008, 107, 21-28.	2.2	12
75	Neurocognitive Outcomes Are Not Improved by 17Î²-Estradiol in Postmenopausal Women Undergoing Cardiac Surgery. Stroke, 2007, 38, 2048-2054.	2.0	22
76	Role of Tissue Doppler and Color M-Mode Imaging for Evaluation of Diastolic Function in Ambulatory Patients with LV Systolic Dysfunction. Echocardiography, 2007, 24, 478-484.	0.9	1
77	Relation of Left Ventricular Lead Placement in Cardiac Resynchronization Therapy to Left Ventricular Reverse Remodeling and to Diastolic Dyssynchrony. American Journal of Cardiology, 2007, 99, 239-241.	1.6	17
78	N-terminal Pro B-type Natriuretic Peptide Levels: Correlation with Echocardiographically Determined Left Ventricular Diastolic Function in an Ambulatory Cohort. Journal of the American Society of Echocardiography, 2006, 19, 1017-1025.	2.8	27
79	Alterations in Left Ventricular Structure and Function in Type-1 Diabetics: A Focus on Left Atrial Contribution to Function. Journal of the American Society of Echocardiography, 2006, 19, 749-755.	2.8	23
80	Clinical Outcomes After Cardiac Resynchronization Therapy: Importance of Left Ventricular Diastolic Function and Origin of Heart Failure. Journal of the American Society of Echocardiography, 2006, 19, 307-313.	2.8	39
81	Hypertensive left ventricular hypertrophy is associated with abnormal myocardial fatty acid metabolism and myocardial efficiency. Journal of Nuclear Cardiology, 2006, 13, 369-377.	2.1	50
82	Metabolic syndrome is associated with abnormal left ventricular diastolic function independent of left ventricular mass. European Heart Journal, 2006, 28, 553-559.	2.2	140
83	Aortic Valve Replacement for Aortic Insufficiency: Valve Type as a Determinant of Systolic Strain Recovery. Journal of Cardiac Surgery, 2005, 20, 524-529.	0.7	5
84	Cardiac resynchronization therapy acutely improves diastolic function. Journal of the American Society of Echocardiography, 2005, 18, 216-220.	2.8	43
85	Plasma Triglyceride Level is an Independent Predictor of Altered Left Ventricular Relaxation. Journal of the American Society of Echocardiography, 2005, 18, 1285-1291.	2.8	41
86	Myocardial Systolic Strain is Decreased After Aortic Valve Replacement in Patients With Aortic Insufficiency. Annals of Thoracic Surgery, 2005, 80, 2186-2192.	1.3	19
87	The Effects of Plasma Insulin and Glucose on Myocardial Blood Flow in Patients With Type 1 Diabetes Mellitus. Journal of the American College of Cardiology, 2005, 46, 42-48.	2.8	59
88	Improvements in Left Ventricular Diastolic Function After Cardiac Resynchronization Therapy Are Coupled to Response in Systolic Performance. Journal of the American College of Cardiology, 2005, 46, 2244-2249.	2.8	62
89	Alterations in left ventricular structure and function in young healthy obese women. Journal of the American College of Cardiology, 2004, 43, 1399-1404.	2.8	403
90	Prevalence and severity of paravalvular regurgitation in the Artificial Valve Endocarditis Reduction Trial (AVERT) echocardiography study. Journal of the American College of Cardiology, 2004, 44, 1467-1472.	2.8	115

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91	The Ross procedure: Long-term clinical and echocardiographic follow-up. Annals of Thoracic Surgery, 2004, 78, 773-781.	1.3	199
92	Severe aortic insufficiency and normal systolic function: determining regional left ventricular wall stress by finite-element analysis. Annals of Thoracic Surgery, 2003, 76, 668-675.	1.3	24
93	Myocardial Fatty Acid Metabolism. Hypertension, 2003, 41, 83-87.	2.7	141
94	The Importance of Prior Stroke for the Adjusted Risk of Neurologic Injury after Cardiac Surgery for Women and Men. Anesthesiology, 2003, 98, 823-829.	2.5	35
95	Prevalence of Depression in Hospitalized Patients With Congestive Heart Failure. Psychosomatic Medicine, 2003, 65, 119-128.	2.0	332
96	Altered myocardial fatty acid and glucose metabolism in idiopathic dilated cardiomyopathy. Journal of the American College of Cardiology, 2002, 40, 271-277.	2.8	432
97	Adaptations in Î²-adrenergic cardiovascular responses to training in older women. Journal of Applied Physiology, 2000, 89, 2300-2305.	2.5	22
98	Stroke Reduction: Diagnosis and Management of the Atherosclerotic Ascending Aorta During Cardiac Surgery. Seminars in Cardiothoracic and Vascular Anesthesia, 1999, 3, 17-24.	1.0	1
99	Neurological Complications of Cardiac Surgery: The Need for New Paradigms in Prevention and Treatment. Seminars in Thoracic and Cardiovascular Surgery, 1999, 11, 105-115.	0.6	29
100	Atherosclerosis of the ascending aorta is a predictor of renal dysfunction after cardiac operations. Journal of Thoracic and Cardiovascular Surgery, 1999, 117, 111-116.	0.8	79
101	MRI-Radiofrequency Tissue Tagging in Patients With Aortic Insufficiency Before and After Operation. Annals of Thoracic Surgery, 1998, 65, 943-950.	1.3	21
102	Detection of myocardial ischemia by transesophageal echocardiographically determined changes in left ventricular area in patients undergoing coronary artery bypass surgery. Journal of Clinical Anesthesia, 1997, 9, 388-393.	1.6	7
103	Transient Right but Not Left Ventricular Dysfunction After Strenuous Exercise at High Altitude. Journal of the American College of Cardiology, 1997, 30, 468-473.	2.8	89
104	Transesophageal Echocardiographic Evaluation of Patients Receiving Mechanical Assistance from Ventricular Assist Devices. Echocardiography, 1997, 14, 505-511.	0.9	8
105	A121 PREDICTORS OF STROKE OCCURRING AFTER INITIAL UNEVENTFUL RECOVERY FROM CARDIAC SURGERY. Anesthesiology, 1997, 87, 121A.	2.5	2
106	Improved detection of cardiac confusion with cardiac troponin I. American Heart Journal, 1996, 131, 308-312.	2.7	209
107	Intraoperative Transesophageal Echocardiography and Epiaortic Ultrasound for Assessment of Atherosclerosis of the Thoracic Aorta11This study was supported in part by a Minority Scientist Development Award from the American Heart Association, Dallas, Texas, to Dr. DÃ¡vila-RomÃ¡n.. Journal of the American College of Cardiology, 1996, 28, 942-947.	2.8	158
108	Diminished contractile reserve in patients with left ventricular hypertrophy and increased end-systolic stress during dobutamine stress echocardiography. American Journal of Cardiology, 1996, 78, 1029-1035.	1.6	16

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109	Stress echocardiography in the diagnosis of coronary artery disease and in the detection of viable myocardium. Coronary Artery Disease, 1995, 6, 10-17.	0.7	1
110	A Randomized Comparison of Intravenous Amrinone Versus Dobutamine in Older Patients with Decompensated Congestive Heart Failure. Journal of the American Geriatrics Society, 1995, 43, 271-274.	2.6	26
111	Multiplane Transesophageal Echocardiographic Doppler Imaging Accurately Determines Cardiac Output Measurements in Critically Ill Patients. Chest, 1995, 107, 769-773.	0.8	101
112	Transesophageal Echocardiography in the Detection of Cardiovascular Sources of Peripheral Vascular Embolism. Annals of Vascular Surgery, 1995, 9, 252-260.	0.9	21
113	Right ventricular dysfunction in low output syndrome after cardiac operations: Assessment by transesophageal echocardiography. Annals of Thoracic Surgery, 1995, 60, 1081-1086.	1.3	95
114	Replacement of the Aortic Root with a Pulmonary Autograft in Children and Young Adults with Aortic-Valve Disease. New England Journal of Medicine, 1994, 330, 1-6.	27.0	287
115	Diagnosis of Perioperative Myocardial Infarction with Measurement of Cardiac Troponin I. New England Journal of Medicine, 1994, 330, 670-674.	27.0	535
116	Quantification of Left Ventricular Dimensions On Line with Biplane Transesophageal Echocardiography and Lateral Gain Compensation. Echocardiography, 1994, 11, 119-125.	0.9	5
117	Successful Withdrawal of Biventricular Assist Devices After Assessment of Left Ventricular Function by Transesophageal Echocardiography and Automatic Border Detection. Echocardiography, 1994, 11, 575-578.	0.9	3
118	Dobutamine stress echocardiography predicts surgical outcome in patients with an aortic aneurysm and peripheral vascular disease. Journal of the American College of Cardiology, 1993, 21, 957-963.	2.8	185
119	Echocardiographic characterization of the improvement in right ventricular function in patients with severe pulmonary hypertension after single-lung transplantation. Journal of the American College of Cardiology, 1993, 22, 1170-1174.	2.8	85
120	Strategy for the reduction of stroke incidence in cardiac surgical patients. Annals of Thoracic Surgery, 1993, 55, 1400-1408.	1.3	231
121	Transesophageal echocardiography predicts successful withdrawal of ventricular assist devices. Journal of Thoracic and Cardiovascular Surgery, 1992, 104, 1410-1416.	0.8	29
122	Management of the severely atherosclerotic ascending aorta during cardiac operations. Journal of Thoracic and Cardiovascular Surgery, 1992, 103, 453-462.	0.8	336