

Lisa de las Fuentes

List of Publications by Year in descending order

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98
papers

4,319
citations

136950

32
h-index

118850

62
g-index

101
all docs

101
docs citations

101
times ranked

7783
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Moderate and Subsequent Progressive Weight Loss on Metabolic Function and Adipose Tissue Biology in Humans with Obesity. <i>Cell Metabolism</i> , 2016, 23, 591-601.	16.2	592
2	Altered myocardial fatty acid and glucose metabolism in idiopathic dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2002, 40, 271-277.	2.8	432
3	Cardiovascular Phenotype in HFpEF Patients With or Without Diabetes. <i>Journal of the American College of Cardiology</i> , 2014, 64, 541-549.	2.8	157
4	Myocardial Fatty Acid Metabolism. <i>Hypertension</i> , 2003, 41, 83-87.	2.7	141
5	Metabolic syndrome is associated with abnormal left ventricular diastolic function independent of left ventricular mass. <i>European Heart Journal</i> , 2006, 28, 553-559.	2.2	140
6	Effect of Moderate Diet-Induced Weight Loss and Weight Regain on Cardiovascular Structure and Function. <i>Journal of the American College of Cardiology</i> , 2009, 54, 2376-2381.	2.8	130
7	A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. <i>American Journal of Human Genetics</i> , 2018, 102, 375-400.	6.2	123
8	Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. <i>Nature Genetics</i> , 2019, 51, 636-648.	21.4	112
9	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	6.2	106
10	Vitamin D Suppression of Endoplasmic Reticulum Stress Promotes an Antiatherogenic Monocyte/Macrophage Phenotype in Type 2 Diabetic Patients. <i>Journal of Biological Chemistry</i> , 2012, 287, 38482-38494.	3.4	96
11	Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. <i>PLoS ONE</i> , 2018, 13, e0198166.	2.5	94
12	Multiancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. <i>American Journal of Epidemiology</i> , 2019, 188, 1033-1054.	3.4	85
13	Insulin-like growth factor regulation of human endometrial stromal cell function: coordinate effects on insulin-like growth factor binding protein-1, cell proliferation and prolactin secretion. <i>Regulatory Peptides</i> , 1993, 48, 165-177.	1.9	84
14	Timing and Causes of Readmission After Acute Heart Failure Hospitalization—Insights From the Heart Failure Network Trials. <i>Journal of Cardiac Failure</i> , 2016, 22, 875-883.	1.7	78
15	Timing of cardiac transplantation in patients with heart failure receiving β -adrenergic blockers. <i>Journal of Heart and Lung Transplantation</i> , 2003, 22, 1141-1148.	0.6	74
16	Williams Syndrome Predisposes to Vascular Stiffness Modified by Antihypertensive Use and Copy Number Changes in <i>NCF1</i> . <i>Hypertension</i> , 2014, 63, 74-79.	2.7	69
17	Effects of Phosphate Binder Therapy on Vascular Stiffness in Early-Stage Chronic Kidney Disease. <i>American Journal of Nephrology</i> , 2013, 38, 158-167.	3.1	65
18	Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. <i>Nature Communications</i> , 2019, 10, 376.	12.8	64

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19	Improvements in Left Ventricular Diastolic Function After Cardiac Resynchronization Therapy Are Coupled to Response in Systolic Performance. <i>Journal of the American College of Cardiology</i> , 2005, 46, 2244-2249.	2.8	62
20	Multi-ancestry sleep-by-SNP interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. <i>Nature Communications</i> , 2019, 10, 5121.	12.8	62
21	Growth Factors and Decidualization in Vitro. <i>Annals of the New York Academy of Sciences</i> , 1994, 734, 7-18.	3.8	56
22	Gene-Smoking Interactions Identify Several Novel Blood Pressure Loci in the Framingham Heart Study. <i>American Journal of Hypertension</i> , 2015, 28, 343-354.	2.0	52
23	Hypertensive left ventricular hypertrophy is associated with abnormal myocardial fatty acid metabolism and myocardial efficiency. <i>Journal of Nuclear Cardiology</i> , 2006, 13, 369-377.	2.1	50
24	Intensification of Medication Therapy for Cardiorenal Syndrome in Acute Decompensated Heart Failure. <i>Journal of Cardiac Failure</i> , 2016, 22, 26-32.	1.7	48
25	Effects of Sodium Thiosulfate on Vascular Calcification in End-Stage Renal Disease: A Pilot Study of Feasibility, Safety and Efficacy. <i>American Journal of Nephrology</i> , 2011, 33, 131-138.	3.1	45
26	Characterization of Left Ventricular Diastolic Function in Hypertension by Use of Doppler Tissue Imaging and Color M-Mode Techniques. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 872-879.	2.8	44
27	Cardiac resynchronization therapy acutely improves diastolic function. <i>Journal of the American Society of Echocardiography</i> , 2005, 18, 216-220.	2.8	43
28	Population sequencing data reveal a compendium of mutational processes in the human germ line. <i>Science</i> , 2021, 373, 1030-1035.	12.6	43
29	Plasma Triglyceride Level is an Independent Predictor of Altered Left Ventricular Relaxation. <i>Journal of the American Society of Echocardiography</i> , 2005, 18, 1285-1291.	2.8	41
30	Recent Innovations, Modifications, and Evolution of ACC/AHA Clinical Practice Guidelines: An Update for Our Constituencies: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. <i>Circulation</i> , 2019, 139, e879-e886.	1.6	41
31	Genes for left ventricular hypertrophy. <i>Current Hypertension Reports</i> , 2004, 6, 36-41.	3.5	40
32	Clinical Outcomes After Cardiac Resynchronization Therapy: Importance of Left Ventricular Diastolic Function and Origin of Heart Failure. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 307-313.	2.8	39
33	A Review of the Genetics of Hypertension with a Focus on Gene-Environment Interactions. <i>Current Hypertension Reports</i> , 2017, 19, 23.	3.5	39
34	A Custom Correlation Coefficient (CCC) Approach for Fast Identification of Multi-SNP Association Patterns in Genome-Wide SNPs Data. <i>Genetic Epidemiology</i> , 2014, 38, 610-621.	1.3	38
35	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential. <i>Science Advances</i> , 2022, 8, eabl6579.	10.3	36
36	An Overview of the Genomics of Metabolic Syndrome. <i>Journal of Nursing Scholarship</i> , 2013, 45, 52-59.	2.4	33

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37	Impaired cardiac and skeletal muscle bioenergetics in children, adolescents, and young adults with Barth syndrome. <i>Physiological Reports</i> , 2017, 5, e13130.	1.7	33
38	2020 AHA/ACC guideline for the diagnosis and treatment of patients with hypertrophic cardiomyopathy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, e23-e106.	0.8	33
39	Role of Serotonergic Pathways in Drug-Induced Valvular Heart Disease and Diagnostic Features by Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 883-889.	2.8	32
40	Nitrate's Effect on Activity Tolerance in Heart Failure With Preserved Ejection Fraction Trial. <i>Circulation: Heart Failure</i> , 2015, 8, 221-228.	3.9	31
41	Determinants of Diuretic Responsiveness and Associated Outcomes During Acute Heart Failure Hospitalization: An Analysis From the NHLBI Heart Failure Network Clinical Trials. <i>Journal of Cardiac Failure</i> , 2018, 24, 428-438.	1.7	31
42	A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. <i>Human Molecular Genetics</i> , 2019, 28, 2615-2633.	2.9	31
43	Left Ventricular Mass Progression despite Stable Blood Pressure and Kidney Function in Stage 3 Chronic Kidney Disease. <i>American Journal of Nephrology</i> , 2014, 39, 392-399.	3.1	30
44	Recent Innovations, Modifications, and Evolution of ACC/AHA Clinical Practice Guidelines: An Update for Our Constituencies. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1990-1998.	2.8	30
45	Insulin resistance predicts endothelial dysfunction and cardiovascular risk in HIV-infected persons on long-term highly active antiretroviral therapy. <i>Aids</i> , 2008, 22, 849-856.	2.2	29
46	Genetic determinants of telomere length from 109,122 ancestrally diverse whole-genome sequences in TOPMed. <i>Cell Genomics</i> , 2022, 2, 100084.	6.5	29
47	N-terminal Pro B-type Natriuretic Peptide Levels: Correlation with Echocardiographically Determined Left Ventricular Diastolic Function in an Ambulatory Cohort. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 1017-1025.	2.8	27
48	Pathway-based genome-wide association analysis of coronary heart disease identifies biologically important gene sets. <i>European Journal of Human Genetics</i> , 2012, 20, 1168-1173.	2.8	26
49	Osteopontin Promoter Polymorphism Is Associated With Increased Carotid Intima-Media Thickness. <i>Journal of the American Society of Echocardiography</i> , 2008, 21, 954-960.	2.8	25
50	Blunted fat oxidation upon submaximal exercise is partially compensated by enhanced glucose metabolism in children, adolescents, and young adults with Barth syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 480-493.	3.6	24
51	Alterations in Left Ventricular Structure and Function in Type-1 Diabetics: A Focus on Left Atrial Contribution to Function. <i>Journal of the American Society of Echocardiography</i> , 2006, 19, 749-755.	2.8	23
52	Doppler Echocardiographic Methods for Optimization of the Atrioventricular Delay during Cardiac Resynchronization Therapy. <i>Echocardiography</i> , 2008, 25, 1047-1055.	0.9	23
53	Relation of Serum Fetuin-A Levels to Coronary Artery Calcium in African-American Patients on Chronic Hemodialysis. <i>American Journal of Cardiology</i> , 2009, 103, 46-49.	1.6	23
54	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). <i>Ethnicity and Disease</i> , 2017, 27, 249.	2.3	23

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55	Interatrial Conduction Time and Left Atrial Function in Patients With Left Ventricular Systolic Dysfunction: Effects of Cardiac Resynchronization Therapy. <i>Journal of the American Society of Echocardiography</i> , 2009, 22, 472-477.	2.8	21
56	Myocardial glucose and fatty acid metabolism is altered and associated with lower cardiac function in young adults with Barth syndrome. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1649-1659.	2.1	21
57	Gene-Education Interactions Identify Novel Blood Pressure Loci in the Framingham Heart Study. <i>American Journal of Hypertension</i> , 2014, 27, 431-444.	2.0	19
58	Relation of Left Ventricular Lead Placement in Cardiac Resynchronization Therapy to Left Ventricular Reverse Remodeling and to Diastolic Dyssynchrony. <i>American Journal of Cardiology</i> , 2007, 99, 239-241.	1.6	17
59	Influence of Smoking Status and Intensity on Discovery of Blood Pressure Loci Through Gene-Smoking Interactions. <i>Genetic Epidemiology</i> , 2015, 39, 480-488.	1.3	17
60	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. <i>Molecular Psychiatry</i> , 2020, 26, 2111-2125.	7.9	17
61	Abnormalities in Cardiac Structure and Function in Adults with Sickle Cell Disease are not Associated with Pulmonary Hypertension. <i>Journal of the American Society of Echocardiography</i> , 2011, 24, 1285-1290.	2.8	16
62	Central aortic pressure is independently associated with diastolic function. <i>American Heart Journal</i> , 2010, 159, 1081-1088.	2.7	15
63	Low dose chloroquine decreases insulin resistance in human metabolic syndrome but does not reduce carotid intima-media thickness. <i>Diabetology and Metabolic Syndrome</i> , 2019, 11, 61.	2.7	15
64	Variable set enrichment analysis in genome-wide association studies. <i>European Journal of Human Genetics</i> , 2011, 19, 893-900.	2.8	14
65	Whole genome sequence analyses of eGFR in 23,732 people representing multiple ancestries in the NHLBI trans-omics for precision medicine (TOPMed) consortium. <i>EBioMedicine</i> , 2021, 63, 103157.	6.1	14
66	Reduced Muscle Strength in Barth Syndrome May Be Improved by Resistance Exercise Training: A Pilot Study. <i>JIMD Reports</i> , 2018, 41, 63-72.	1.5	13
67	The TDR MOOC training in implementation research: evaluation of feasibility and lessons learned in Rwanda. <i>Pilot and Feasibility Studies</i> , 2020, 6, 66.	1.2	12
68	Left Ventricular Diastolic Filling Prior to Cardiac Resynchronization Therapy: Implications for Atrioventricular Delay Programming. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2008, 31, 838-844.	1.2	11
69	The role of SNP-loop diuretic interactions in hypertension across ethnic groups in HyperGEN. <i>Frontiers in Genetics</i> , 2013, 4, 304.	2.3	11
70	Development of a Health Information Technology Tool for Behavior Change to Address Obesity and Prevent Chronic Disease Among Adolescents: Designing for Dissemination and Sustainment Using the ORBIT Model. <i>Frontiers in Digital Health</i> , 2021, 3, 648777.	2.8	11
71	Obesity-insulin targeted genes in the 3p26-25 region in human studies and LG/J and SM/J mice. <i>Metabolism: Clinical and Experimental</i> , 2012, 61, 1129-1141.	3.4	9
72	Research Education and Mentoring Program in Cardiovascular Diseases for Under-Represented Junior Faculty From NHLBI SIPID/PRIDE. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1861-1865.	2.8	9

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73	Dissemination and Implementation Program in Hypertension in Rwanda: Report on Initial Training and Evaluation. <i>Global Heart</i> , 2019, 14, 135.	2.3	9
74	A risk assessment tool for resumption of research activities during the COVID-19 pandemic for field trials in low resource settings. <i>BMC Medical Research Methodology</i> , 2021, 21, 68.	3.1	8
75	Enhanced detection of genetic association of hypertensive heart disease by analysis of latent phenotypes. <i>Genetic Epidemiology</i> , 2008, 32, 528-538.	1.3	7
76	Molecular Determinants of the Cardiometabolic Phenotype. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2010, 10, 109-123.	1.2	7
77	Are Normative Values for LV Geometry and Mass Based on Fundamental Imaging Valid with Use of Harmonic Imaging?. <i>Journal of the American Society of Echocardiography</i> , 2010, 23, 1317-1322.	2.8	6
78	Genetic association of left ventricular mass assessed by M-mode and two-dimensional echocardiography. <i>Journal of Hypertension</i> , 2016, 34, 88-96.	0.5	6
79	Identifying blood pressure loci whose effects are modulated by multiple lifestyle exposures. <i>Genetic Epidemiology</i> , 2020, 44, 629-641.	1.3	6
80	Association and interaction of PPAR-complex gene variants with latent traits of left ventricular diastolic function. <i>BMC Medical Genetics</i> , 2010, 11, 65.	2.1	5
81	Single Nucleotide Polymorphism-Single Nucleotide Polymorphism Interactions Among Inflammation Genes in the Genetic Architecture of Blood Pressure in the Framingham Heart Study. <i>American Journal of Hypertension</i> , 2015, 28, 248-255.	2.0	5
82	A Novel Method Combining Linkage Disequilibrium Information and Imputed Functional Knowledge for SNP Selection. <i>Human Heredity</i> , 2007, 64, 243-249.	0.8	4
83	The St. Louis African American health-heart study: methodology for the study of cardiovascular disease and depression in young-old African Americans. <i>BMC Cardiovascular Disorders</i> , 2013, 13, 66.	1.7	4
84	Genome-wide meta-analysis of variant-by-diuretic interactions as modulators of lipid traits in persons of European and African ancestry. <i>Pharmacogenomics Journal</i> , 2020, 20, 482-493.	2.0	4
85	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. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1506-1513.	1.5	4
86	Relationships Among HIV Infection, Metabolic Risk Factors, and Left Ventricular Structure and Function. <i>AIDS Research and Human Retroviruses</i> , 2013, 29, 1151-1160.	1.1	3
87	Whole-Exome Sequencing and hiPSC Cardiomyocyte Models Identify MYRIP, TRAPPC11, and SLC27A6 of Potential Importance to Left Ventricular Hypertrophy in an African Ancestry Population. <i>Frontiers in Genetics</i> , 2021, 12, 588452.	2.3	3
88	High rates of undiagnosed and uncontrolled hypertension upon a screening campaign in rural Rwanda: a cross-sectional study. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 197.	1.7	3
89	Adiposity and Cardiometabolic Risk in Children With and Without Antipsychotic Drug Treatment. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3418-3426.	3.6	2
90	Three Approaches to Modeling Gene-Environment Interactions in Longitudinal Family Data: Gene-Smoking Interactions in Blood Pressure. <i>Genetic Epidemiology</i> , 2016, 40, 73-80.	1.3	2

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91	Diagnostic accuracy of damage-associated molecular patterns (DAMPs) in patients with heart failure with a reduced ejection fraction. <i>Journal of Clinical and Translational Science</i> , 2017, 1, 208-209.	0.6	2
92	The Promise of Selecting Individuals from the Extremes of Exposure in the Analysis of Gene-Physical Activity Interactions. <i>Human Heredity</i> , 2018, 83, 315-332.	0.8	2
93	Multi-ancestry genome-wide association study accounting for gene-psychosocial factor interactions identifies novel loci for blood pressure traits. <i>Human Genetics and Genomics Advances</i> , 2021, 2, 100013.	1.7	2
94	Role of Tissue Doppler and Color M-Mode Imaging for Evaluation of Diastolic Function in Ambulatory Patients with LV Systolic Dysfunction. <i>Echocardiography</i> , 2007, 24, 478-484.	0.9	1
95	Resistance exercise training with protein supplementation improves skeletal muscle strength and improves quality of life in late adolescents and young adults with Barth syndrome: A pilot study. <i>JIMD Reports</i> , 2021, 62, 74-84.	1.5	1
96	Exploring contextual factors influencing the implementation of evidence-based care for hypertension in Rwanda: a cross-sectional study using the COACH questionnaire. <i>BMJ Open</i> , 2021, 11, e048425.	1.9	1
97	Aggregate blood pressure responses to serial dietary sodium and potassium intervention: defining responses using independent component analysis. <i>BMC Genetics</i> , 2015, 16, 64.	2.7	0
98	Lifestyle Risk Score: handling missingness of individual lifestyle components in meta-analysis of gene-by-lifestyle interactions. <i>European Journal of Human Genetics</i> , 2021, 29, 839-850.	2.8	0