Carlos Labat

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4921350/publications.pdf

Version: 2024-02-01

109 papers	8,644 citations	57758 44 h-index	43889 91 g-index
114 all docs	114 docs citations	114 times ranked	10595 citing authors

#	Article	IF	Citations
1	Determinants of pulse wave velocity in healthy people and in the presence of cardiovascular risk factors: â€˜establishing normal and reference valuesâ€™. European Heart Journal, 2010, 31, 2338-2350.	2.2	1,637
2	Telomere Length as an Indicator of Biological Aging. Hypertension, 2001, 37, 381-385.	2.7	551
3	Determinants of Accelerated Progression of Arterial Stiffness in Normotensive Subjects and in Treated Hypertensive Subjects Over a 6-Year Period. Circulation, 2002, 105, 1202-1207.	1.6	508
4	Telomeres shorten at equivalent rates in somatic tissues of adults. Nature Communications, 2013, 4, 1597.	12.8	502
5	Short Telomeres Are Associated With Increased Carotid Atherosclerosis in Hypertensive Subjects. Hypertension, 2004, 43, 182-185.	2.7	306
6	Validation of a new non-invasive portable tonometer for determining arterial pressure wave and pulse wave velocity. Journal of Hypertension, 2004, 22, 2285-2293.	0.5	245
7	Reference intervals for common carotid intima-media thickness measured with echotracking: relation with risk factors. European Heart Journal, 2013, 34, 2368-2380.	2.2	228
8	Treatment With Multiple Blood Pressure Medications, Achieved Blood Pressure, and Mortality in Older Nursing Home Residents. JAMA Internal Medicine, 2015, 175, 989.	5.1	225
9	Increased Carotid Wall Elastic Modulus and Fibronectin in Aldosterone-Saltâ€“Treated Rats. Circulation, 2002, 106, 2848-2853.	1.6	221
10	Pulse Pressure Amplification. Journal of the American College of Cardiology, 2010, 55, 1032-1037.	2.8	198
11	Tracking and fixed ranking of leukocyte telomere length across the adult life course. Aging Cell, 2013, 12, 615-621.	6.7	197
12	Mortality and Cardiovascular Events Are Best Predicted by Low Central/Peripheral Pulse Pressure Amplification But Not by High Blood Pressure Levels in Elderly Nursing Home Subjects. Journal of the American College of Cardiology, 2012, 60, 1503-1511.	2.8	156
13	Prevention of aortic and cardiac fibrosis by spironolactone in old normotensive rats. Journal of the American College of Cardiology, 2001, 37, 662-667.	2.8	145
14	The endothelial mineralocorticoid receptor regulates vasoconstrictor tone and blood pressure. FASEB Journal, 2010, 24, 2454-2463.	0.5	135
15	Prostanoid receptors involved in the relaxation of human pulmonary vessels. British Journal of Pharmacology, 1999, 126, 859-866.	5.4	109
16	The actions of Paf-acether (platelet-activating factor) on guinea-pig isolated heart preparations. British Journal of Pharmacology, 1983, 80, 81-83.	5.4	108
17	Angiotensin II type 1 receptorâˆ’153A/G and 1166A/C gene polymorphisms and increase in aortic stiffness with age in hypertensive subjects. Journal of Hypertension, 2001, 19, 407-413.	0.5	108
18	Chronic oxidative stress induces a tissue-specific reduction in telomere length in CAST/Ei mice. Free Radical Biology and Medicine, 2008, 44, 1592-1598.	2.9	102

#	Article	IF	Citations
19	Smooth Muscle Cell Mineralocorticoid Receptors Are Mandatory for Aldosteroneâ€“Salt to Induce Vascular Stiffness. Hypertension, 2014, 63, 520-526.	2.7	97
20	Leukocyte telomere length dynamics in women and men: menopause vs age effects. International Journal of Epidemiology, 2015, 44, 1688-1695.	1.9	87
21	Telomeres and the natural lifespan limit in humans. Aging, 2017, 9, 1130-1142.	3.1	82
22	Effects of metabolic syndrome on arterial function in different age groups. Journal of Hypertension, 2018, 36, 824-833.	0.5	79
23	Prostanoid receptors involved in the relaxation of human bronchial preparations. British Journal of Pharmacology, 1999, 126, 867-872.	5.4	78
24	Orthostatic hypotension in very old individuals living in nursing homes. Journal of Hypertension, 2012, 30, 53-60.	0.5	78
25	A short leucocyte telomere length is associated with development of insulin resistance. Diabetologia, 2016, 59, 1258-1265.	6.3	77
26	Short Leukocyte Telomere Length Precedes Clinical Expression of Atherosclerosis. Circulation Research, 2018, 122, 616-623.	4.5	74
27	M₁ and M₃ muscarinic receptors in human pulmonary arteries. British Journal of Pharmacology, 1996, 119, 149-157.	5.4	72
28	Role of Î±₁Î²₁-integrin in arterial stiffness and angiotensin-induced arterial wall hypertrophy in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2597-H2604.	3.2	65
29	Low salivary resolvin D1 to leukotriene B₄ ratio predicts carotid intima media thickness: A novel biomarker of non-resolving vascular inflammation. European Journal of Preventive Cardiology, 2017, 24, 903-906.	1.8	65
30	Pulse Wave Velocity is Associated With 1-Year Cognitive Decline in the Elderly Older than 80 Years: The PARTAGE Study. Journal of the American Medical Directors Association, 2012, 13, 239-243.	2.5	61
31	Effects of Valsartan on Mechanical Properties of the Carotid Artery in Spontaneously Hypertensive Rats Under High-Salt Diet. Hypertension, 2001, 38, 439-443.	2.7	60
32	Evidence that the histamine sensitivity and responsiveness of guineaâ€pig isolated trachea are modulated by epithelial prostaglandin E₂ production. British Journal of Pharmacology, 1988, 95, 300-308.	5.4	57
33	Leukotriene receptors on human pulmonary vascular endothelium. British Journal of Pharmacology, 1995, 115, 1382-1386.	5.4	55
34	Cardiotrophin 1 Is Involved in Cardiac, Vascular, and Renal Fibrosis and Dysfunction. Hypertension, 2012, 60, 563-573.	2.7	55
35	Evidence for a Prognostic Role of Orthostatic Hypertension on Survival in a Very Old Institutionalized Population. Hypertension, 2016, 67, 191-196.	2.7	55
36	Inflammatory mediators in saliva associated with arterial stiffness and subclinical atherosclerosis. Journal of Hypertension, 2013, 31, 2251-2258.	0.5	54

#	Article	IF	Citations
37	Short Telomeres, but Not Telomere Attrition Rates, Are Associated With Carotid Atherosclerosis. Hypertension, 2017, 70, 420-425.	2.7	53
38	Degradation of acetylcholine in human airways: role of butyrylcholinesterase. British Journal of Pharmacology, 1993, 108, 914-919.	5.4	51
39	Left ventricular ejection time, not heart rate, is an independent correlate of aortic pulse wave velocity. Journal of Applied Physiology, 2013, 115, 1610-1617.	2.5	51
40	Endothelin gene variants and aortic and cardiac structure in never-treated hypertensives. American Journal of Hypertension, 2001, 14, 755-760.	2.0	50
41	Telomere length in vascular tissues from patients with atherosclerotic disease. Journal of Nutrition, Health and Aging, 2011, 15, 153-156.	3.3	50
42	Reference values of aortic pulse wave velocity in the elderly. Journal of Hypertension, 2008, 26, 2207-2212.	0.5	49
43	Inhibitory effects of BAY u3405 on prostanoidâ€induced contractions in human isolated bronchial and pulmonary arterial muscle preparations. British Journal of Pharmacology, 1991, 104, 591-595.	5.4	47
44	Blood pressure and pulse wave velocity values in the institutionalized elderly aged 80 and over: baseline of the PARTAGE study. Journal of Hypertension, 2010, 28, 41-50.	0.5	46
45	Telomere length dynamics in early life: the bloodâ€andâ€muscle model. FASEB Journal, 2018, 32, 529-534.	0.5	44
46	Inactivation of Serum Response Factor Contributes To Decrease Vascular Muscular Tone and Arterial Stiffness in Mice. Circulation Research, 2013, 112, 1035-1045.	4.5	43
47	Absence of Cardiotrophin 1 Is Associated With Decreased Age-Dependent Arterial Stiffness and Increased Longevity in Mice. Hypertension, 2013, 61, 120-129.	2.7	42
48	Telomere length tracking in children and their parents: implications for adult onset diseases. FASEB Journal, 2019, 33, 14248-14253.	0.5	42
49	Anaphylactic bronchoconstriction in BP2 mice: interactions between serotonin and acetylcholine. British Journal of Pharmacology, 1999, 126, 312-316.	5.4	41
50	Vimentin knockout results in increased expression of sub-endothelial basement membrane components and carotid stiffness in mice. Scientific Reports, 2017, 7, 11628.	3.3	40
51	Modifications of Arterial Phenotype in Response to Amine Oxidase Inhibition by Semicarbazide. Hypertension, 2007, 50, 234-241.	2.7	38
52	Relaxation of isolated human pulmonary muscle preparations with prostacyclin (PGI2) and its analogs. Prostaglandins, 1987, 33, 845-854.	1.2	36
53	Differences Between Cardiac and Arterial Fibrosis and Stiffness in Aldosterone-Salt Rats: Effect of Eplerenone. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2006, 7, 31-39.	1.7	36
54	Carotid arterial stiffness, elastic fibre network and vasoreactivity in semicarbazide-sensitive amine-oxidase null mouse. Cardiovascular Research, 2006, 72, 349-357.	3.8	35

#	Article	IF	Citations
55	Heart disease and changes in pulse wave velocity and pulse pressure amplification in the elderly over 80 years: the PARTAGE Study. Journal of Hypertension, 2010, 28, 2127-2133.	0.5	34
56	A model of canine leukocyte telomere dynamics. Aging Cell, 2011, 10, 991-995.	6.7	34
57	Prevalence and determinants of hypertension in the Algerian Sahara. Journal of Hypertension, 2007, 25, 2218-2226.	0.5	33
58	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. Royal Society Open Science, 2019, 6, 190420.	2.4	33
59	Aldosterone synthase gene polymorphism, stroke volume and age-related changes in aortic pulse wave velocity in subjects with hypertension. Journal of Hypertension, 2005, 23, 1159-1166.	0.5	32
60	Effects of lean and fat mass on bone mineral density and arterial stiffness in elderly men. Osteoporosis International, 2009, 20, 1385-1391.	3.1	32
61	Changes in aortic stiffness related to elastic fiber network anomalies in the Brown Norway rat during maturation and aging. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H144-H152.	3.2	31
62	Sex difference in leukocyte telomere length is ablated in opposite-sex co-twins. International Journal of Epidemiology, 2014, 43, 1799-1805.	1.9	31
63	Increased Microparticle Production and Impaired Microvascular Endothelial Function in Aldosterone-Salt-Treated Rats: Protective Effects of Polyphenols. PLoS ONE, 2012, 7, e39235.	2.5	29
64	Vasorelaxant effects of atrial peptide II on isolated human pulmonary muscle preparations. European Journal of Pharmacology, 1988, 150, 397-400.	3.5	28
65	Human isolated bronchial muscle preparations from asthmatic patients: Effects of indomethacin and contractile agonists. Prostaglandins, 1989, 37, 457-469.	1.2	28
66	Disseminated Arterial Calcification and Enhanced Myogenic Response Are Associated With Abcc6 Deficiency in a Mouse Model of Pseudoxanthoma Elasticum. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1045-1056.	2.4	26
67	Sodium, Arterial Stiffness, and Cardiovascular Mortality in Hypertensive Rats. American Journal of Hypertension, 2007, 20, 319-325.	2.0	25
68	The Nexus Between Telomere Length and Lymphocyte Count in Seniors Hospitalized With COVID-19. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, e97-e101.	3.6	25
69	Tissue Factor Pathway Inhibitor. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1226-1232.	2.4	24
70	The Oral Cavity and Age: A Site of Chronic Inflammation?. PLoS ONE, 2007, 2, e1351.	2.5	24
71	Selective reduction of heart rate by ivabradine. Journal of Hypertension, 2004, 22, 1739-1745.	0.5	23
72	Aldosterone and Telomere Length in White Blood Cells. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 1593-1596.	3.6	23

#	Article	IF	Citations
73	Spironolactone improves carotid artery fibrosis and distensibility in rat post-ischaemic heart failure. Journal of Molecular and Cellular Cardiology, 2005, 39, 511-519.	1.9	23
74	Do Arterial Hemodynamic Parameters Predict Cognitive Decline Over a Period of 2ÂYears in Individuals Older Than 80ÂYears Living in Nursing Homes? The PARTAGE Study. Journal of the American Medical Directors Association, 2015, 16, 598-602.	2.5	23
75	Selective Reduction of Central Pulse Pressure Under Angiotensin Blockage in SHR: Role of the Fibronectin-Â5Â1 Integrin Complex. American Journal of Hypertension, 2009, 22, 711-717.	2.0	22
76	Role of smooth muscle cell mineralocorticoid receptor in vascular tone. Pflugers Archiv European Journal of Physiology, 2015, 467, 1643-1650.	2.8	20
77	EFFECTS OF VARIOUS PHARMACOLOGICAL AGENTS ON ISOLATED HUMAN BRONCHIAL AND PULMONARY ARTERIAL AND VENOUS MUSCLE PREPARATIONS CONTRACTED BY LEUKOTRIENE D₄. Fundamental and Clinical Pharmacology, 1987, 1, 433-444.	1.9	19
78	Arterial structural changes with verapamil in spontaneously hypertensive rats. American Journal of Hypertension, 1999, 12, 732-738.	2.0	19
79	Klotho KL-VS genotype is involved in blood pressure regulation. Clinica Chimica Acta, 2011, 412, 1773-1777.	1.1	19
80	Fatty Acids Impair Endothelium-Dependent Vasorelaxation: A Link Between Obesity and Arterial Stiffness in Very Old Zucker Rats. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67, 927-938.	3.6	18
81	Preventive and chronic mineralocorticoid receptor antagonism is highly beneficial in obese SHHF rats. British Journal of Pharmacology, 2016, 173, 1805-1819.	5.4	18
82	Hispidulin, a natural flavone, inhibits human platelet aggregation by increasing cAMP levels. European Journal of Pharmacology, 1988, 147, 1-6.	3.5	17
83	Association of Current Weight and Birth Weight With Blood Pressure Levels in Saharan and European Teenager Populations. American Journal of Hypertension, 2010, 23, 379-386.	2.0	17
84	Differential Associations for Salivary Sodium, Potassium, Calcium, and Phosphate Levels with Carotid Intima Media Thickness, Heart Rate, and Arterial Stiffness. Disease Markers, 2018, 2018, 1-12.	1.3	17
85	Influence of the AGTR1 A1166C Genotype on the Progression of Arterial Stiffness: A 16-Year Longitudinal Study. American Journal of Hypertension, 2013, 26, 1421-1427.	2.0	15
86	Cholinesterase activity in pig airways and epithelial cells. Fundamental and Clinical Pharmacology, 1997, 11, 201-205.	1.9	14
87	Respective contribution of age, mean arterial pressure, and body weight on central arterial distensibility in SHR. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1534-H1539.	3.2	14
88	Relationship between catalase haplotype and arterial aging. Atherosclerosis, 2013, 227, 100-105.	0.8	14
89	Response and sensitivity of guineaâ€pig airway muscle preparations to 5â€hydroxytryptamine during ontogenesis. British Journal of Pharmacology, 1985, 85, 569-574.	5.4	13
90	Semicarbazide-sensitive Amine Oxidase in Annulo-aortic Ectasia Disease: Relation to Elastic Lamellae-associated Proteins. Journal of Histochemistry and Cytochemistry, 2004, 52, 1459-1466.	2.5	13

#	Article	IF	Citations
91	Non-Invasive Assessment of Arterial Stiffness: Pulse Wave Velocity, Pulse Wave Analysis and Carotid Cross-Sectional Distensibility: Comparison between Methods. Journal of Clinical Medicine, 2022, 11, 2225.	2.4	13
92	Simultaneous Characterization of Metabolic, Cardiac, Vascular and Renal Phenotypes of Lean and Obese SHHF Rats. PLoS ONE, 2014, 9, e96452.	2.5	11
93	Response to Anti-human IgE in Human Pulmonary Arteries: Regulation by Endothelium. The American Review of Respiratory Disease, 1993, 147, 1029-1033.	2.9	9
94	Number and Replating Capacity of Endothelial Colonyâ€Forming Cells are Telomere Length Dependent: Implication for Human Atherogenesis. Journal of the American Heart Association, 2021, 10, e020606.	3.7	8
95	Effects of Î²₂â€adrenoceptor agonists on antiâ€IgEâ€induced contraction and smooth muscle reactivity in human airways. British Journal of Pharmacology, 1995, 114, 935-940.	5.4	6
96	Telomere length and age-dependent telomere attrition: the blood-and-muscle model. Canadian Journal of Physiology and Pharmacology, 2019, 97, 328-334.	1.4	5
97	Telomere Length in Valve Tissue Is Shorter in Individuals With Aortic Stenosis and in Calcified Valve Areas. Frontiers in Cell and Developmental Biology, 2021, 9, 618335.	3.7	5
98	Antigenic Contraction of Guinea Pig Tracheal Preparations Passively Sensitized with Monoclonal IgE: Pharmacological Modulation. International Archives of Allergy and Immunology, 1988, 87, 342-348.	2.1	4
99	Endothelial dysfunction in venous pulmonary hypertension in the neonatal piglet. Annals of Thoracic Surgery, 1995, 59, 1155-1161.	1.3	4
100	Antagonism of leukotriene responses in human airways by BAY x7195. European Journal of Pharmacology, 1995, 275, 207-212.	3.5	4
101	Elderly Algerian women lose their sex-advantage in terms of arterial stiffness and cardiovascular profile. Journal of Hypertension, 2013, 31, 2244-2250.	0.5	3
102	TERC Variants Associated with Short Leukocyte Telomeres: Implication of Higher Early Life Leukocyte Telomere Attrition as Assessed by the Blood-and-Muscle Model. Cells, 2020, 9, 1360.	4.1	3
103	Prognostic Association of Major Frailty Domain Trajectories With 5-Year Mortality in Very Old Adults: Results From the PARTAGE Cohort Study. American Journal of Epidemiology, 2018, 187, 1678-1685.	3.4	2
104	A genetic determinant of VEGF-A levels is associated with telomere attrition. Aging, 2021, 13, 23517-23526.	3.1	2
105	Effects of Thiazinamium Chloride on Human Isolated Bronchial Muscle Preparations. Respiration, 1989, 55, 220-226.	2.6	1
106	Response to Lysyl Oxidase Inhibition Is Responsible for the Vascular Elastic Fiber Phenotype. Hypertension, 2008, 51, .	2.7	0
107	Interest of Combined Blood Pressure Measurements in Very Old Frail Subjects: The PARTAGE Study. American Journal of Hypertension, 2018, 31, 950-956.	2.0	0
108	Cysteinyl-Leukotrienes and the Human Lung. Advances in Experimental Medicine and Biology, 1999, 447, 171-179.	1.6	0

#	Article	IF	Citations
109	Leukotrienes as Biomarkers of Cardiovascular Disease. , 2016, , 449-466.		0