

Eric J Belin De Chantemele

List of Publications by Year in descending order

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87
papers

2,300
citations

186265
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233421
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all docs

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docs citations

99
times ranked

3075
citing authors

#	ARTICLE	IF	CITATIONS
1	Adipocyte-Derived Hormone Leptin Is a Direct Regulator of Aldosterone Secretion, Which Promotes Endothelial Dysfunction and Cardiac Fibrosis. <i>Circulation</i> , 2015, 132, 2134-2145.	1.6	257
2	Leptin Induces Hypertension and Endothelial Dysfunction via Aldosterone-Dependent Mechanisms in Obese Female Mice. <i>Hypertension</i> , 2016, 67, 1020-1028.	2.7	129
3	Peroxynitrite Disrupts Endothelial Caveolae Leading to eNOS Uncoupling and Diminished Flow-Mediated Dilation in Coronary Arterioles of Diabetic Patients. <i>Diabetes</i> , 2014, 63, 1381-1393.	0.6	102
4	Paradoxical Activation of Endothelial Nitric Oxide Synthase by NADPH Oxidase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1627-1633.	2.4	93
5	Notch3 Is a Major Regulator of Vascular Tone in Cerebral and Tail Resistance Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 2216-2224.	2.4	93
6	Impact of Leptin-Mediated Sympatho-Activation on Cardiovascular Function in Obese Mice. <i>Hypertension</i> , 2011, 58, 271-279.	2.7	87
7	Sex Differences in Mechanisms of Hypertension Associated With Obesity. <i>Hypertension</i> , 2018, 71, 15-21.	2.7	87
8	Identification of novel macropinocytosis inhibitors using a rational screen of Food and Drug Administration-approved drugs. <i>British Journal of Pharmacology</i> , 2018, 175, 3640-3655.	5.4	77
9	Flow-Induced Remodeling in Resistance Arteries From Obese Zucker Rats Is Associated With Endothelial Dysfunction. <i>Hypertension</i> , 2007, 50, 248-254.	2.7	72
10	Deletion of Protein Tyrosine Phosphatase 1b Improves Peripheral Insulin Resistance and Vascular Function in Obese, Leptin-Resistant Mice via Reduced Oxidant Tone. <i>Circulation Research</i> , 2009, 105, 1013-1022.	4.5	71
11	Sex hormones, aging and cardiometabolic syndrome. <i>Biology of Sex Differences</i> , 2019, 10, 30.	4.1	65
12	Protein Tyrosine Phosphatase 1B, a Major Regulator of Leptin-Mediated Control of Cardiovascular Function. <i>Circulation</i> , 2009, 120, 753-763.	1.6	62
13	Long Term High Fat Diet Treatment: An Appropriate Approach to Study the Sex-Specificity of the Autonomic and Cardiovascular Responses to Obesity in Mice. <i>Frontiers in Physiology</i> , 2017, 8, 32.	2.8	56
14	The regulation of aldosterone secretion by leptin. <i>Current Opinion in Nephrology and Hypertension</i> , 2018, 27, 63-69.	2.0	53
15	Type 2 diabetes severely impairs structural and functional adaptation of rat resistance arteries to chronic changes in blood flow. <i>Cardiovascular Research</i> , 2009, 81, 788-796.	3.8	49
16	Progesterone Predisposes Females to Obesity-Associated Leptin-Mediated Endothelial Dysfunction via Upregulating Endothelial MR (Mineralocorticoid Receptor) Expression. <i>Hypertension</i> , 2019, 74, 678-686.	2.7	45
17	Influence of obesity and metabolic dysfunction on the endothelial control in the coronary circulation. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 840-847.	1.9	44
18	Reactive Oxygen Species and Cyclooxygenase 2-Derived Thromboxane A2 Reduce Angiotensin II Type 2 Receptor Vasorelaxation in Diabetic Rat Resistance Arteries. <i>Hypertension</i> , 2010, 55, 339-344.	2.7	39

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19	Perivascular Adipocytes in Vascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2220-2227.	2.4	39
20	Interplay Between Reactive Oxygen/Reactive Nitrogen Species and Metabolism in Vascular Biology and Disease. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1319-1354.	5.4	35
21	Lack of Suppression of Aldosterone Production Leads to Salt-Sensitive Hypertension in Female but Not Male Balb/C Mice. <i>Hypertension</i> , 2018, 72, 1397-1406.	2.7	33
22	Female Sex, a Major Risk Factor for Salt-Sensitive Hypertension. <i>Current Hypertension Reports</i> , 2020, 22, 99.	3.5	33
23	Effects of immersion in water containing high concentrations of CO ₂ (CO ₂ -water) at thermoneutral on thermoregulation and heart rate variability in humans. <i>International Journal of Biometeorology</i> , 2009, 53, 25-30.	3.0	31
24	Reactive Oxygen Species Are Necessary for High Flow (Shear Stress)-induced Diameter Enlargement of Rat Resistance Arteries. <i>Microcirculation</i> , 2009, 16, 391-402.	1.8	31
25	Does resistance exercise prevent body fluid changes after a 90-day bed rest?. <i>European Journal of Applied Physiology</i> , 2004, 92, 555-64.	2.5	30
26	Genetic Deletion of NADPH Oxidase 1 Rescues Microvascular Function in Mice With Metabolic Disease. <i>Circulation Research</i> , 2017, 121, 502-511.	4.5	30
27	Deletion of Protein Tyrosine Phosphatase 1B (PTP1B) Enhances Endothelial Cyclooxygenase 2 Expression and Protects Mice from Type 1 Diabetes-Induced Endothelial Dysfunction. <i>PLoS ONE</i> , 2015, 10, e0126866.	2.5	30
28	Cyclooxygenase-2 Inhibition Restored Endothelium-Mediated Relaxation in Old Obese Zucker Rat Mesenteric Arteries. <i>Frontiers in Physiology</i> , 2010, 1, 145.	2.8	29
29	The adipokine leptin mediates muscle- and liver-derived IGF-1 in aged mice. <i>Experimental Gerontology</i> , 2015, 70, 92-96.	2.8	29
30	Leptin Restores Endothelial Function via Endothelial PPAR δ -Nox1-Mediated Mechanisms in a Mouse Model of Congenital Generalized Lipodystrophy. <i>Hypertension</i> , 2019, 74, 1399-1408.	2.7	29
31	Calf venous volume during stand-test after a 90-day bed-rest study with or without exercise countermeasure. <i>Journal of Physiology</i> , 2004, 561, 611-622.	2.9	26
32	Atorvastatin inhibits pro-inflammatory actions of aldosterone in vascular smooth muscle cells by reducing oxidative stress. <i>Life Sciences</i> , 2019, 221, 29-34.	4.3	25
33	Increasing Peripheral Insulin Sensitivity by Protein Tyrosine Phosphatase 1B Deletion Improves Control of Blood Pressure in Obesity. <i>Hypertension</i> , 2012, 60, 1273-1279.	2.7	24
34	Cyclooxygenase-2 preserves flow-mediated remodelling in old obese Zucker rat mesenteric arteries. <i>Cardiovascular Research</i> , 2010, 86, 516-525.	3.8	23
35	Deletion of protein tyrosine phosphatase 1b in proopiomelanocortin neurons reduces neurogenic control of blood pressure and protects mice from leptin- and sympatho-mediated hypertension. <i>Pharmacological Research</i> , 2015, 102, 235-244.	7.1	23
36	New roles of aldosterone and mineralocorticoid receptors in cardiovascular disease: translational and sex-specific effects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H989-H999.	3.2	23

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37	Hormonal changes during long-term isolation. <i>European Journal of Applied Physiology</i> , 2004, 91, 508-515.	2.5	19
38	Vascular effects of deletion of melanocortin-4 receptors in rats. <i>Physiological Reports</i> , 2013, 1, e00146.	1.7	19
39	HIV Protease Inhibitor Ritonavir Impairs Endothelial Function Via Reduction in Adipose Mass and Endothelial Leptin Receptor-Dependent Increases in NADPH Oxidase 1 (Nox1), C&C Chemokine Receptor Type 5 (CCR5), and Inflammation. <i>Journal of the American Heart Association</i> , 2020, 9, e018074.	3.7	19
40	Obesity induced-insulin resistance causes endothelial dysfunction without reducing the vascular response to hindlimb ischemia. <i>Basic Research in Cardiology</i> , 2009, 104, 707-717.	5.9	17
41	Leptin and Aldosterone. <i>Vitamins and Hormones</i> , 2019, 109, 265-284.	1.7	17
42	Sex Differences in Leptin Control of Cardiovascular Function in Health and Metabolic Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1043, 87-111.	1.6	16
43	Mineralocorticoid Receptor and Endothelial Dysfunction in Hypertension. <i>Current Hypertension Reports</i> , 2019, 21, 78.	3.5	16
44	Selective deficiency in endothelial PTP1B protects from diabetes and endoplasmic reticulum stress-associated endothelial dysfunction via preventing endothelial cell apoptosis. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110200.	5.6	15
45	HIV, Combination Antiretroviral Therapy, and Vascular Diseases in Men and Women. <i>JACC Basic To Translational Science</i> , 2022, 7, 410-421.	4.1	15
46	Blood volume measurement: The comparison of pulse dye densitometry and Dill and Costill's methods. <i>Life Sciences</i> , 2006, 78, 1564-1569.	4.3	14
47	Ptp1b deletion in pro-opiomelanocortin neurons increases energy expenditure and impairs endothelial function via TNF- α dependent mechanisms. <i>Clinical Science</i> , 2016, 130, 881-893.	4.3	14
48	Structural Remodeling in the Limb Circulation: Impact of Obesity and Diabetes. <i>Microcirculation</i> , 2007, 14, 311-316.	1.8	13
49	Recent advances in understanding lipodystrophy: a focus on lipodystrophy-associated cardiovascular disease and potential effects of leptin therapy on cardiovascular function. <i>F1000Research</i> , 2019, 8, 1756.	1.6	13
50	Selective deletion of endothelial mineralocorticoid receptor protects from vascular dysfunction in sodium-restricted female mice. <i>Biology of Sex Differences</i> , 2020, 11, 64.	4.1	11
51	Dietary sodium restriction sex specifically impairs endothelial function via mineralocorticoid receptor-dependent reduction in NO bioavailability in Balb/C mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H211-H220.	3.2	10
52	Cyclooxygenase-2-derived prostanoids reduce inward arterial remodeling induced by blood flow reduction in old obese Zucker rat mesenteric arteries. <i>Vascular Pharmacology</i> , 2013, 58, 356-362.	2.1	9
53	CCR5 antagonist treatment inhibits vascular injury by regulating NADPH oxidase 1. <i>Biochemical Pharmacology</i> , 2022, 195, 114859.	4.4	8
54	Midgestation Leptin Infusion Induces Characteristics of Clinical Preeclampsia in Mice, Which Is Ablated by Endothelial Mineralocorticoid Receptor Deletion. <i>Hypertension</i> , 2022, 79, 1536-1547.	2.7	8

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55	Reviving the use of aldosterone inhibitors in treating hypertension in obesity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1065-R1067.	1.8	7
56	Nf1 heterozygous mice recapitulate the anthropometric and metabolic features of human neurofibromatosis type 1. Translational Research, 2021, 228, 52-63.	5.0	7
57	Reduced Endothelial Leptin Signaling Increases Vascular Adrenergic Reactivity in a Mouse Model of Congenital Generalized Lipodystrophy. International Journal of Molecular Sciences, 2021, 22, 10596.	4.1	7
58	Chronic Exposure to HIV-Derived Protein Tat Impairs Endothelial Function via Indirect Alteration in Fat Mass and Nox1-Mediated Mechanisms in Mice. International Journal of Molecular Sciences, 2021, 22, 10977.	4.1	6
59	Endothelial AMPK α 1/PRKAA1 exacerbates inflammation in HFD-fed mice. British Journal of Pharmacology, 2021, , .	5.4	4
60	CGP12177-induced haemodynamic and vascular effects in normotensive and hypertensive rats. European Journal of Pharmacology, 2008, 591, 196-202.	3.5	3
61	Deletion of protein tyrosine phosphatase 1B (PTP1B) prevents type 1 diabetes-induced endothelial dysfunction.. FASEB Journal, 2010, 24, 1037.7.	0.5	1
62	PTP1B in Obesity-Related Cardiovascular Function. , 2013, , 129-145.		1
63	HIV Increases Basal Metabolic Rate, Impairs Endothelial Function and Elevates Blood Pressure in Male and Female Mice. FASEB Journal, 2020, 34, 1-1.	0.5	1
64	Obesity-induced insulin resistance causes endothelial dysfunction without reducing the vascular response to hindlimb ischemia. Basic Research in Cardiology, 2009, 104, 707.	5.9	1
65	Abstract P242: Perivascular Adipose Tissue Regulates Endothelial Function And Glucose Disposal Via Leptin Control Of The 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 / NADPH Oxidase 1 Pathways. Hypertension, 2020, 76, .	2.7	1
66	The Effect of Selective Deletion of Leptin Receptor in Endothelial Cells on High-Fat-Diet-Induced Vascular Endothelial Function. Arsenal Augusta University's Undergraduate Research Journal, 2021, 4, 25-25.	0.0	0
67	Endothelial Mineralocorticoid Receptor Deletion Ablates Leptin-Induced Preeclampsia Characteristics in Pregnancy. Arsenal Augusta University's Undergraduate Research Journal, 2021, 4, 42-42.	0.0	0
68	Obesity induced insulin resistance causes endothelial dysfunction without reducing the vascular response to hindlimb ischemia.. FASEB Journal, 2009, 23, 592.3.	0.5	0
69	Deletion of myostatin improves cardiac and vascular function in mice.. FASEB Journal, 2010, 24, 976.18.	0.5	0
70	Deletion of protein tyrosine phosphatase 1B (PTP1B) prevents type 1 diabetes-induced vascular dysfunction. FASEB Journal, 2012, 26, 866.18.	0.5	0
71	INCREASING LEPTIN SENSITIVITY VIA PTP1B DELETION DOES NOT INCREASE BLOOD PRESSURE THROUGH AN INCREASED SYMPATHETIC TONE IN MICE ON A BALB/C BACKGROUND. FASEB Journal, 2013, 27, 1118.30.	0.5	0
72	Antagonistic effects of mineralocorticoid receptor (MR) blockade on the vascular reactivity of male and female leptinsensitized mice. FASEB Journal, 2013, 27, 1131.16.	0.5	0

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73	DELETION OF PROTEIN TYROSINE PHOSPHATASE 1B PROTECTS AGAINST ENDOPLASMIC RETICULUM STRESS-INDUCED ENDOTHELIAL DYSFUNCTION. <i>FASEB Journal</i> , 2013, 27, 929.5.	0.5	0
74	Leptin-Induced Endothelial Dysfunction is Mediated by Endothelial Mineralocorticoid Receptor Epithelial Sodium Channel Activation in Female Mice. <i>FASEB Journal</i> , 2018, 32, 704.7.	0.5	0
75	Female Balb/C Mice Develop Salt-sensitive Hypertension and Endothelial Dysfunction in Association with Activation of the Renin-Angiotensin Aldosterone System. <i>FASEB Journal</i> , 2018, 32, 904.5.	0.5	0
76	Abstract 096: Progesterone Upregulates Endothelial Mineralocorticoid Receptor Expression Which Predisposes Female Mice to Obesity-Induced Endothelial Dysfunction. <i>Hypertension</i> , 2018, 72, .	2.7	0
77	Reduction in Endothelial Leptin Signaling in Congenital Generalized Lipodystrophy Leads to Endothelial Dysfunction via PPAR γ -Mediated Increases in Nox1 in the Vasculature. <i>FASEB Journal</i> , 2019, 33, 828.9.	0.5	0
78	Leptin-Induced Endothelial Dysfunction is Mediated by Endothelial Mineralocorticoid Receptor Activation in Premenopausal and Pregnant Females. <i>FASEB Journal</i> , 2019, 33, 830.3.	0.5	0
79	Leptin Replacement Therapy Improves Endothelial Function and Vascular Inflammation in a Mouse Model of Acquired Lipodystrophy Associated with Antiretroviral Treatment by Regulating Nox1-Derived ROS and CCR5 Chemokine Receptor Type 5. <i>FASEB Journal</i> , 2019, 33, 836.9.	0.5	0
80	Abstract 007: Endothelial Mineralocorticoid Receptors are Increased by Pregnancy in Mice and Mediate Obesity-Associated, Leptin-Induced Endothelial Dysfunction in Pregnancy. <i>Hypertension</i> , 2019, 74, .	2.7	0
81	Abstract 121: Leptin Restores Endothelial Function, Diminishes Vascular Adrenergic Contractility, but Does Not Alter Arterial Stiffness and Blood Pressure, in a Mouse Model of Congenital Generalized Lipodystrophy. <i>Hypertension</i> , 2019, 74, .	2.7	0
82	Low Salt Diet Elevates Aldosterone Levels and Induces Endothelial Impairment in a Sex- and Strain-Dependent Manner in Mice. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
83	Endothelial Mineralocorticoid Receptor Deletion Abrogates Leptin-Induced Endothelial Dysfunction in Pregnant Mice. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
84	Abstract MP40: Hiv Impairs Endothelial Function And Elevates Blood Pressure Via Tnfa Dependent Mechanisms In Male And Female Mice.. <i>Hypertension</i> , 2020, 76, .	2.7	0
85	The protease inhibition with Ritonavir impairs endothelial function and promotes vascular smooth cell proliferation via RANTES/CCR5 chemokine receptor type 5 and Nox1-derived reactive oxygen species pathway.. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
86	Abstract MP14: Endothelial Mineralocorticoid Receptor Deletion Abrogates Leptin-induced Endothelial Dysfunction And Fetal Growth Restriction In Pregnant Mice. <i>Hypertension</i> , 2020, 76, .	2.7	0
87	Impairment in endothelial bioenergetics contributes to diabetes-induced vascular dysfunction. <i>FASEB Journal</i> , 2022, 36, .	0.5	0