Eric D Lazartigues

List of Publications by Year in Descending Order

122 papers	5,090 citations	39 h-index	70 g-index
139 ext. papers	5,817 ext. citations	4.8 avg, IF	6.12 L-index

#	Paper	IF	Citations
122	Angiotensin II type 1 receptor mediates pulmonary hypertension and right ventricular remodeling induced by inhaled nicotine. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H1526-H1534	5.2	2
121	Angiotensin Type 1 Receptor-Dependent Internalization of SARS-CoV-2 by Angiotensin-Converting Enzyme 2. *Hypertension*, **2021**, 77, e42-e43	8.5	6
120	ADAM17-enriched Exosomes Contribute to Neuronal Activation in Hypertension. *FASEB Journal*, **2021**, 35,	0.9	1
119	Epigenetic Programming Reverses Cardiometabolic Dysfunctions and Modulates Hypothalamic Genes Involved in Oxidative Stress and Inflammation in Angiotensin II-Treated Male Mice. *Journal of the Endocrine Society*, **2021**, 5, A286-A286	0.4	78
118	Epigenetic modifications of the renin-angiotensin system in cardiometabolic diseases. *Clinical Science*, **2021**, 135, 127-142	6.5	4
117	Voltage-gated potassium channel dysfunction in dorsal root ganglia contributes to the exaggerated exercise pressor reflex in rats with chronic heart failure. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 321, H461-H474	5.2	1
116	SARS-CoV-2 infection of the pancreas promotes thrombofibrosis and is associated with new-onset diabetes. *JCI Insight*, **2021**, 6,	9.9	7
115	Effects of Chronic Nicotine Inhalation on Systemic and Pulmonary Blood Pressure and Right Ventricular Remodeling in Mice. *Hypertension*, **2020**, 75, 1305-1314	8.5	15
114	Expression of ACE2 in Human Neurons Supports the Neuro-Invasive Potential of COVID-19 Virus. *Cellular and Molecular Neurobiology*, **2020**, 1	4.6	43
113	Kinetensin is an Endogenous β-arrestin-biased Ligand of Angiotensin AT1 receptor. *FASEB Journal*, **2020**, 34, 1-1	0.9	
112	Brain angiotensin converting enzyme-2 in central cardiovascular regulation. *Clinical Science*, **2020**, 134, 2535-2547	6.5	8
111	Perinatal Epigenetic Modulation of the Brain Renin Angiotensin System Programs Cardiometabolic Diseases. *FASEB Journal*, **2020**, 34, 1-1	0.9	1
110	ACE2 mouse models: a toolbox for cardiovascular and pulmonary research. *Nature Communications*, **2020**, 11, 5165	17.4	31
109	Endocrine Significance of SARS-CoV-2's Reliance on ACE2. *Endocrinology*, **2020**, 161,	4.8	72
108	ADAM17-Mediated Shedding of Inflammatory Cytokines in Hypertension. *Frontiers in Pharmacology* , **2020**, 11, 1154	5.6	25
107	The Actin Bundling Protein Fascin-1 as an ACE2-Accessory Protein. *Cellular and Molecular Neurobiology*, **2020**, 1	4.6	3
106	Activation of ADAM17 (A Disintegrin and Metalloprotease 17) on Glutamatergic Neurons Selectively Promotes Sympathoexcitation. *Hypertension*, **2019**, 73, 1266-1274	8.5	17

105	ACE2 and ADAM17 Interaction Regulates the Activity of Presympathetic Neurons. *Hypertension*, **2019**, 74, 1181-1191	8.5	54
104	Chronic Nicotine Inhalation Promotes the Development of Pulmonary Hypertension. *FASEB Journal*, **2019**, 33, 696.22	0.9	
103	ADAM17 on glutamatergic neurons contributes to peripheral immune activation through increasing sympathetic activity. *FASEB Journal*, **2019**, 33, 740.6	0.9	
102	A Dynamic Variation of Pulmonary ACE2 Is Required to Modulate Neutrophilic Inflammation in Response to Lung Infection in Mice. *Journal of Immunology*, **2019**, 203, 3000-3012	5.3	62
101	Next-Generation Tools to Study Autonomic Regulation In Vivo. *Neuroscience Bulletin*, **2019**, 35, 113-123	4.3	3
100	Nicotine Downregulates the Compensatory Angiotensin-Converting Enzyme 2/Angiotensin Type 2 Receptor of the Renin–Angiotensin System. *Annals of the American Thoracic Society*, **2018**, 15, S126-S127	4.7	18
99	Perinatal Exposure to Western Diet Programs Autonomic Dysfunction in the Male Offspring. *Cellular and Molecular Neurobiology*, **2018**, 38, 233-242	4.6	13
98	Nicotine and the renin-angiotensin system. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R895-R906	3.2	156
97	Central administration of TRV027 improves baroreflex sensitivity and vascular reactivity in spontaneously hypertensive rats. *Clinical Science*, **2018**, 132, 1513-1527	6.5	16
96	Association of Chronic Nicotine Inhalation with Hypertension in Mice. *FASEB Journal*, **2018**, 32, 918.7	0.9	1
95	Effects of Chronically Inhaled Nicotine on Cardiac Function. *FASEB Journal*, **2018**, 32, 901.8	0.9	
94	Glutamatergic neurons of the paraventricular nucleus are critical contributors to the development of neurogenic hypertension. *Journal of Physiology*, **2018**, 596, 6235-6248	3.9	29
93	Excessive Glutamate Stimulation Impairs ACE2 Activity Through ADAM17-Mediated Shedding in Cultured Cortical Neurons. *Cellular and Molecular Neurobiology*, **2018**, 38, 1235-1243	4.6	13
92	Clinical Relevance and Role of Neuronal AT Receptors in ADAM17-Mediated ACE2 Shedding in Neurogenic Hypertension. *Circulation Research*, **2017**, 121, 43-55	15.7	114
91	DOCA-Salt Hypertension: an Update. *Current Hypertension Reports*, **2017**, 19, 32	4.7	70
90	MicroRNA-125a-5p alleviates the deleterious effects of ox-LDL on multiple functions of human brain microvessel endothelial cells. *American Journal of Physiology - Cell Physiology*, **2017**, 312, C119-C130	5.4	26
89	Kinin B1 Receptor Promotes Neurogenic Hypertension Through Activation of Centrally Mediated Mechanisms. *Hypertension*, **2017**, 70, 1122-1131	8.5	11
88	Forkhead Box Transcription Factors of the FOXA Class Are Required for Basal Transcription of Angiotensin-Converting Enzyme 2. *Journal of the Endocrine Society*, **2017**, 1, 370-384	0.4	16

87	Determining the Enzymatic Activity of Angiotensin-Converting Enzyme 2 (ACE2) in Brain Tissue and Cerebrospinal Fluid Using a Quenched Fluorescent Substrate. *Methods in Molecular Biology*, **2017**, 1527, 117-126	1.4	7
86	Abstract 088: At 1 Receptor on Glutamatergic Neurons Regulate Autonomic Function Through Modulation of Neuronal Excitability and Sympathetic Outflow. *Hypertension*, **2017**, 70,	8.5	1
85	Microvesicles Derived from Inflammation-Challenged Endothelial Cells Modulate Vascular Smooth Muscle Cell Functions. *Frontiers in Physiology*, **2016**, 7, 692	4.6	11
84	A Disintegrin and Metalloprotease 17 in the Cardiovascular and Central Nervous Systems. *Frontiers in Physiology*, **2016**, 7, 469	4.6	41
83	High-fat diet-induced glucose dysregulation is independent of changes in islet ACE2 in mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 311, R1223-R1233	2.2	16
82	ACE2 and Glycemic Control **2015**, 219-223		
81	The compensatory renin-angiotensin system in the central regulation of arterial pressure: new avenues and new challenges. *Therapeutic Advances in Cardiovascular Disease*, **2015**, 9, 201-8	3.4	19
80	Dynamics of ADAM17-Mediated Shedding of ACE2 Applied to Pancreatic Islets of Male db/db Mice. *Endocrinology*, **2015**, 156, 4411-25	4.8	40
79	Brain-targeted angiotensin-converting enzyme 2 overexpression attenuates neurogenic hypertension by inhibiting cyclooxygenase-mediated inflammation. *Hypertension*, **2015**, 65, 577-86	8.5	57
78	α-Lipoic acid reduces neurogenic hypertension by blunting oxidative stress-mediated increase in ADAM17. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H926-34	5.2	21
77	Brain ACE2 overexpression reduces DOCA-salt hypertension independently of endoplasmic reticulum stress. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* , **2015**, 308, R370-8	3.2	28
76	Increased ADAM17 Expression in ACE2 Knockout Mice is Associated with Increased Excitability of Paraventricular Nucleus Pre-sympathetic Neurons. *FASEB Journal*, **2015**, 29, 984.16	0.9	
75	Neuronal over-expression of ACE2 protects brain from ischemia-induced damage. *Neuropharmacology*, **2014**, 79, 550-8	5.5	69
74	Angiotensin II mediates angiotensin converting enzyme type 2 internalization and degradation through an angiotensin II type I receptor-dependent mechanism. *Hypertension*, **2014**, 64, 1368-1375	8.5	173
73	Angiotensin converting enzyme 2/Ang-(1-7)/mas axis protects brain from ischemic injury with a tendency of age-dependence. *CNS Neuroscience and Therapeutics*, **2014**, 20, 452-9	6.8	37
72	Angiotensin converting enzyme 2: a new important player in the regulation of glycemia. *IUBMB Life*, **2013**, 65, 731-8	4.7	33
71	The transcription factor HNF1β induces expression of angiotensin-converting enzyme 2 (ACE2) in pancreatic islets from evolutionarily conserved promoter motifs. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2013**, 1829, 1225-35	6	45
70	Comment on: Takeda et al. Loss of ACE2 exaggerates high-calorie diet-induced insulin resistance by reduction of GLUT4 in mice. Diabetes 2013;62:223-233. *Diabetes*, **2013**, 62, e9	0.9	1

69	Brain angiotensin-converting enzyme type 2 shedding contributes to the development of neurogenic hypertension. *Circulation Research*, **2013**, 113, 1087-1096	15.7	127
68	Determination of sex differences in activities of angiotensin-converting enzyme 2 (ACE2) requires an activity assay that doesnR underestimate ACE2. *American Journal of Hypertension*, **2013**, 26, 1172	2.3	
67	Pancreatic angiotensin-converting enzyme 2 improves glycemia in angiotensin II-infused mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E874-84	6	47
66	ACE2 inhibits Endoplasmic Reticulum stress and autophagy associated to neurogenic hypertension. *FASEB Journal*, **2013**, 27, 929.1	0.9	
65	Hepatocyte nuclear factor 1stimulates the compensatory axis of the renin-angiotensin system in the pancreatic islet by specific induction of angiotensin-converting enzyme 2 (ACE2). *FASEB Journal* , **2013**, 27, 1154.15	0.9	
64	Pancreatic ACE2 shedding is associated with impaired glycemia in high fat diet-fed mice.. *FASEB Journal*, **2013**, 27, 1154.1	0.9	2
63	ACE2 gene therapy decreases fibrosis in the pancreas of high fat diet-fed mice. *FASEB Journal*, **2013** , 27, 1154.7	0.9	2
62	Angiotensin-converting enzyme 2 over-expression in the central nervous system reduces angiotensin-II-mediated cardiac hypertrophy. *PLoS ONE*, **2012**, 7, e48910	3.7	36
61	Abstract 79: Knockdown of ACE2 in the Paraventricular Nucleus Partially Reverses the Protective Effects of Brain ACE2 in DOCA-salt Hypertension. *Hypertension*, **2012**, 60,	8.5	1
60	ACE2 Shedding: A New Mechanism For Neurogenic Hypertension. *FASEB Journal*, **2012**, 26, 893.1	0.9	1
59	Angiotensin converting enzyme 2 attenuates angiotensin II-mediated phosphorylation of MAP kinase and Akt in neurons. *FASEB Journal*, **2012**, 26, 703.21	0.9	
58	The PPAR-agonist Rosiglitazone increases angiotensin-converting enzyme 2 (ACE2) promoter activity in neurons. *FASEB Journal*, **2012**, 26, 875.13	0.9	1
57	ACE2 reduces hyperglycemia by preventing pancreatic renin angiotensin system over-activation in high fat diet-fed mice. *FASEB Journal*, **2012**, 26, 1093.11	0.9	
56	Tissue-specific expression of angiotensin-converting enzyme 2 (ACE2) from two promoter regions is unaffected by elevated levels of renin and angiotensinogen. *FASEB Journal*, **2012**, 26, 1134.9	0.9	1
55	Hepatocyte nuclear factors 1and 1(HNF1and HNF1)are powerful inducers of the enzymatic activity of angiotensin-converting enzyme 2 (ACE2) in insulin-secreting cells. *FASEB Journal*, **2012**, 26, 713.3	0.9	
54	Development of a radioligand for angiotensin-converting enzyme-2 (ACE-2). *FASEB Journal*, **2012**, 26, 1105.6	0.9	
53	Opposing roles of PARP-1 in MMP-9 and TIMP-2 expression and mast cell degranulation in dyslipidemic dilated cardiomyopathy. *Cardiovascular Pathology*, **2011**, 20, e57-68	3.8	18
52	ACE2/ANG-(1-7)/Mas pathway in the brain: the axis of good. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 300, R804-17	3.2	194

51	ACE2-mediated reduction of oxidative stress in the central nervous system is associated with improvement of autonomic function. *PLoS ONE*, **2011**, 6, e22682	3.7	86
50	Species-specific inhibitor sensitivity of angiotensin-converting enzyme 2 (ACE2) and its implication for ACE2 activity assays. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 301, R1293-9	3.2	48
49	Brain-selective overexpression of angiotensin-converting enzyme 2 attenuates sympathetic nerve activity and enhances baroreflex function in chronic heart failure. *Hypertension*, **2011**, 58, 1057-65	8.5	53
48	ACE2 overexpression in the paraventricular nucleus attenuates angiotensin II-induced hypertension. *Cardiovascular Research*, **2011**, 92, 401-8	9.9	147
47	Stimulation of angiotensin-converting enzyme 2 promoter activity by hepatocyte nuclear factor 1 (HNF1) in insulinoma cells. *FASEB Journal*, **2011**, 25, 1063.5	0.9	
46	Angiotensin-converting enzyme 2: a new target for neurogenic hypertension. *Experimental Physiology*, **2010**, 95, 601-6	2.4	37
45	Inflammation and neurogenic hypertension: a new role for the circumventricular organs?. *Circulation Research*, **2010**, 107, 166-7	15.7	10
44	Brain-selective overexpression of human Angiotensin-converting enzyme type 2 attenuates neurogenic hypertension. *Circulation Research*, **2010**, 106, 373-82	15.7	155
43	Angiotensin I-converting enzyme type 2 (ACE2) gene therapy improves glycemic control in diabetic mice. *Diabetes*, **2010**, 59, 2540-8	0.9	151
42	Major role for ACE-independent intrarenal ANG II formation in type II diabetes. *American Journal of Physiology - Renal Physiology*, **2010**, 298, F37-48	4.3	72
41	Angiotensin-converting enzyme 2: central regulator for cardiovascular function. *Current Hypertension Reports*, **2010**, 12, 170-5	4.7	94
40	ACE2 over-expression regulates oxidative stress gene expression in the brainstem. *FASEB Journal*, **2010**, 24, 1036.7	0.9	
39	ACE2 Inhibits Angiotensin-II Mediated NADPH Oxidase Activation In The Central Nervous System. *FASEB Journal*, **2010**, 24, 1018.3	0.9	
38	Central angiotensin-converting enzyme 2 overexpression decreases blood pressure and enhances baroreflex function in mice with chronic heart failure. *FASEB Journal*, **2010**, 24, 809.20	0.9	
37	Angiotensin II type 1 receptor-mediated reduction of angiotensin-converting enzyme 2 activity in the brain impairs baroreflex function in hypertensive mice. *Hypertension*, **2009**, 53, 210-6	8.5	87
36	Rab1 GTPase and dimerization in the cell surface expression of angiotensin II type 2 receptor. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 330, 109-17	4.7	33
35	The sweeter side of ACE2: physiological evidence for a role in diabetes. *Molecular and Cellular Endocrinology*, **2009**, 302, 193-202	4.4	155
34	A map and new directions for the (pro)renin receptor in the brain: focus on "A role of the (pro)renin receptor in neuronal cell differentiation". *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 297, R248-9	3.2	8

33	Protective effects of PARP-1 knockout on dyslipidemia-induced autonomic and vascular dysfunction in ApoE mice: effects on eNOS and oxidative stress. *PLoS ONE*, **2009**, 4, e7430	3.7	30
32	Central ACE2 reduces blood pressure and restores baroreflex and autonomic functions in chronically hypertensive mice. *FASEB Journal*, **2009**, 23, 607.1	0.9	
31	ACE2 gene therapy leads to Ang-(1-7)-mediated restoration of glucose metabolism in diabetic mice. *FASEB Journal*, **2009**, 23, 991.9	0.9	
30	ACE2 expression in the central nervous system reduces angiotensin-II-mediated hypertension and cardiac hypertrophy in transgenic mice.. *FASEB Journal*, **2009**, 23, 802.1	0.9	
29	Selective over expression of central ACE2 prevents baroreflex dysfunction in the chronic heart failure. *FASEB Journal*, **2009**, 23, 610.2	0.9	
28	Angiotensin-converting enzyme 2 in the brain: properties and future directions. *Journal of Neurochemistry*, **2008**, 107, 1482-94	6	222
27	Chronic tempol prevents hypertension, proteinuria, and poor feto-placental outcomes in BPH/5 mouse model of preeclampsia. *Hypertension*, **2008**, 51, 1058-65	8.5	59
26	Enhanced water and salt intake in transgenic mice with brain-restricted overexpression of angiotensin (AT1) receptors. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R1539-45	3.2	23
25	Angiotensin-converting enzyme 2 overexpression in the subfornical organ prevents the angiotensin II-mediated pressor and drinking responses and is associated with angiotensin II type 1 receptor downregulation. *Circulation Research*, **2008**, 102, 729-36	15.7	117
24	Intact renal afferent arteriolar autoregulatory responsiveness in db/db mice. *American Journal of Physiology - Renal Physiology*, **2008**, 295, F1504-11	4.3	23
23	Activator of G protein signaling 3 null mice: I. Unexpected alterations in metabolic and cardiovascular function. *Endocrinology*, **2008**, 149, 3842-9	4.8	50
22	ACE2 over-expression ameliorates glycemic homeostasis in diabetic mice. *FASEB Journal*, **2008**, 22, 1236.2	0.9	
21	ACE2 prevention of oxidative stress in the brain is associated with a reduction in Angiotensin II-induced sympathetic vasomodulation. *FASEB Journal*, **2008**, 22, 1236.3	0.9	1
20	Neuron-targeted expression of ACE2 in the central nervous system prevents angiotensin-II-mediated hypertension. *FASEB Journal*, **2008**, 22, 741.1	0.9	1
19	Activator of G-protein Signaling 3 null mice: unexpected alterations in metabolic and cardiovascular function. *FASEB Journal*, **2008**, 22, 908.1	0.9	
18	Pleiotropic functions of TNF-alpha determine distinct IKKbeta-dependent hepatocellular fates in response to LPS. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G242-52	5.1	12
17	The two fACEs of the tissue renin-angiotensin systems: implication in cardiovascular diseases. *Current Pharmaceutical Design*, **2007**, 13, 1231-45	3.3	48
16	Differential expression of neuronal ACE2 in transgenic mice with overexpression of the brain renin-angiotensin system. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 292, R373-81	3.2	280

15	Central AT1 receptor blockade restores baroreflex sensitivity and lowers blood pressure in ACE2 knockout mice. *FASEB Journal*, **2007**, 21,	0.9	3
14	In-vitro and in-vivo ACE2 gene delivery: evidence for a role in the central regulation of blood pressure. *FASEB Journal*, **2007**, 21, A889	0.9	
13	Genetic ablation of angiotensinogen in the subfornical organ of the brain prevents the central angiotensinergic pressor response. *Circulation Research*, **2006**, 99, 1125-31	15.7	45
12	Requirement for Rac1-dependent NADPH oxidase in the cardiovascular and dipsogenic actions of angiotensin II in the brain. *Circulation Research*, **2004**, 95, 532-9	15.7	152
11	Renovascular hypertension in mice with brain-selective overexpression of AT1a receptors is buffered by increased nitric oxide production in the periphery. *Circulation Research*, **2004**, 95, 523-31	15.7	29
10	Hypertension caused by angiotensin II infusion involves increased superoxide production in the central nervous system. *Circulation Research*, **2004**, 95, 210-6	15.7	371
9	DITPA stimulates arteriolar growth and modifies myocardial postinfarction remodeling. *American Journal of Physiology - Heart and Circulatory Physiology*, **2004**, 286, H1994-2000	5.2	60
8	Superoxide mediates the actions of angiotensin II in the central nervous system. *Circulation Research*, **2002**, 91, 1038-45	15.7	338
7	Brain-selective overexpression of angiotensin (AT1) receptors causes enhanced cardiovascular sensitivity in transgenic mice. *Circulation Research*, **2002**, 90, 617-24	15.7	69
6	Fluoxetine-induced pressor response in freely moving rats: a role for vasopressin and sympathetic tone. *Fundamental and Clinical Pharmacology*, **2000**, 14, 443-51	3.1	20
5	Brain-Selective Expression of Exogenous Angiotensin (AT1) Receptors Causes Enhanced Cardiovascular Sensitivity.. *Hypertension*, **2000**, 36, 681-681	8.5	1
4	Characterization of the central muscarinic cholinoceptors involved in the cholinergic pressor response in anesthetized dogs. *European Journal of Pharmacology*, **1999**, 379, 117-24	5.3	6
3	V1A-vasopressin receptor blockade reduces the fluoxetine-induced pressor response in freely moving rats. *Journal of Hypertension*, **1999**, 17, 853-854	1.9	
2	Pressor and bradycardic effects of tacrine and other acetylcholinesterase inhibitors in the rat. *European Journal of Pharmacology*, **1998**, 361, 61-71	5.3	23
1	Central cardiovascular effects of tacrine in the conscious dog: a role for catecholamines and vasopressin release. *European Journal of Pharmacology*, **1998**, 348, 191-8	5.3	2