

Eric D Lazartigues

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Hypertension caused by angiotensin II infusion involves increased superoxide production in the central nervous system. <i>Circulation Research</i> , 2004 , 95, 210-6	15.7	371
121	Superoxide mediates the actions of angiotensin II in the central nervous system. <i>Circulation Research</i> , 2002 , 91, 1038-45	15.7	338
120	Differential expression of neuronal ACE2 in transgenic mice with overexpression of the brain renin-angiotensin system. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R373-81	3.2	280
119	Angiotensin-converting enzyme 2 in the brain: properties and future directions. <i>Journal of Neurochemistry</i> , 2008 , 107, 1482-94	6	222
118	ACE2/ANG-(1-7)/Mas pathway in the brain: the axis of good. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 300, R804-17	3.2	194
117	Angiotensin II mediates angiotensin converting enzyme type 2 internalization and degradation through an angiotensin II type I receptor-dependent mechanism. <i>Hypertension</i> , 2014 , 64, 1368-1375	8.5	173
116	Nicotine and the renin-angiotensin system. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 315, R895-R906	3.2	156
115	Brain-selective overexpression of human Angiotensin-converting enzyme type 2 attenuates neurogenic hypertension. <i>Circulation Research</i> , 2010 , 106, 373-82	15.7	155
114	The sweeter side of ACE2: physiological evidence for a role in diabetes. <i>Molecular and Cellular Endocrinology</i> , 2009 , 302, 193-202	4.4	155
113	Requirement for Rac1-dependent NADPH oxidase in the cardiovascular and dipsogenic actions of angiotensin II in the brain. <i>Circulation Research</i> , 2004 , 95, 532-9	15.7	152
112	Angiotensin I-converting enzyme type 2 (ACE2) gene therapy improves glycemic control in diabetic mice. <i>Diabetes</i> , 2010 , 59, 2540-8	0.9	151
111	ACE2 overexpression in the paraventricular nucleus attenuates angiotensin II-induced hypertension. <i>Cardiovascular Research</i> , 2011 , 92, 401-8	9.9	147
110	Brain angiotensin-converting enzyme type 2 shedding contributes to the development of neurogenic hypertension. <i>Circulation Research</i> , 2013 , 113, 1087-1096	15.7	127
109	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. <i>Circulation Research</i> , 2008 , 102, 729-36	15.7	117
108	Clinical Relevance and Role of Neuronal AT Receptors in ADAM17-Mediated ACE2 Shedding in Neurogenic Hypertension. <i>Circulation Research</i> , 2017 , 121, 43-55	15.7	114
107	Angiotensin-converting enzyme 2: central regulator for cardiovascular function. <i>Current Hypertension Reports</i> , 2010 , 12, 170-5	4.7	94
106	Angiotensin II type 1 receptor-mediated reduction of angiotensin-converting enzyme 2 activity in the brain impairs baroreflex function in hypertensive mice. <i>Hypertension</i> , 2009 , 53, 210-6	8.5	87

105	ACE2-mediated reduction of oxidative stress in the central nervous system is associated with improvement of autonomic function. <i>PLoS ONE</i> , 2011 , 6, e22682	3.7	86
104	Epigenetic Programming Reverses Cardiometabolic Dysfunctions and Modulates Hypothalamic Genes Involved in Oxidative Stress and Inflammation in Angiotensin II-Treated Male Mice. <i>Journal of the Endocrine Society</i> , 2021 , 5, A286-A286	0.4	78
103	Major role for ACE-independent intrarenal ANG II formation in type II diabetes. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, F37-48	4.3	72
102	Endocrine Significance of SARS-CoV-2's Reliance on ACE2. <i>Endocrinology</i> , 2020 , 161,	4.8	72
101	DOCA-Salt Hypertension: an Update. <i>Current Hypertension Reports</i> , 2017 , 19, 32	4.7	70
100	Neuronal over-expression of ACE2 protects brain from ischemia-induced damage. <i>Neuropharmacology</i> , 2014 , 79, 550-8	5.5	69
99	Brain-selective overexpression of angiotensin (AT1) receptors causes enhanced cardiovascular sensitivity in transgenic mice. <i>Circulation Research</i> , 2002 , 90, 617-24	15.7	69
98	A Dynamic Variation of Pulmonary ACE2 Is Required to Modulate Neutrophilic Inflammation in Response to Lung Infection in Mice. <i>Journal of Immunology</i> , 2019 , 203, 3000-3012	5.3	62
97	DITPA stimulates arteriolar growth and modifies myocardial postinfarction remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H1994-2000	5.2	60
96	Chronic tempol prevents hypertension, proteinuria, and poor feto-placental outcomes in BPH/5 mouse model of preeclampsia. <i>Hypertension</i> , 2008 , 51, 1058-65	8.5	59
95	Brain-targeted angiotensin-converting enzyme 2 overexpression attenuates neurogenic hypertension by inhibiting cyclooxygenase-mediated inflammation. <i>Hypertension</i> , 2015 , 65, 577-86	8.5	57
94	ACE2 and ADAM17 Interaction Regulates the Activity of Presympathetic Neurons. <i>Hypertension</i> , 2019 , 74, 1181-1191	8.5	54
93	Brain-selective overexpression of angiotensin-converting enzyme 2 attenuates sympathetic nerve activity and enhances baroreflex function in chronic heart failure. <i>Hypertension</i> , 2011 , 58, 1057-65	8.5	53
92	Activator of G protein signaling 3 null mice: I. Unexpected alterations in metabolic and cardiovascular function. <i>Endocrinology</i> , 2008 , 149, 3842-9	4.8	50
91	Species-specific inhibitor sensitivity of angiotensin-converting enzyme 2 (ACE2) and its implication for ACE2 activity assays. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R1293-9	3.2	48
90	The two fACEs of the tissue renin-angiotensin systems: implication in cardiovascular diseases. <i>Current Pharmaceutical Design</i> , 2007 , 13, 1231-45	3.3	48
89	Pancreatic angiotensin-converting enzyme 2 improves glycemia in angiotensin II-infused mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E874-84	6	47
88	The transcription factor HNF1 β induces expression of angiotensin-converting enzyme 2 (ACE2) in pancreatic islets from evolutionarily conserved promoter motifs. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013 , 1829, 1225-35	6	45

87	Genetic ablation of angiotensinogen in the subfornical organ of the brain prevents the central angiotensinergic pressor response. <i>Circulation Research</i> , 2006 , 99, 1125-31	15.7	45
86	Expression of ACE2 in Human Neurons Supports the Neuro-Invasive Potential of COVID-19 Virus. <i>Cellular and Molecular Neurobiology</i> , 2020 , 1	4.6	43
85	A Disintegrin and Metalloprotease 17 in the Cardiovascular and Central Nervous Systems. <i>Frontiers in Physiology</i> , 2016 , 7, 469	4.6	41
84	Dynamics of ADAM17-Mediated Shedding of ACE2 Applied to Pancreatic Islets of Male db/db Mice. <i>Endocrinology</i> , 2015 , 156, 4411-25	4.8	40
83	Angiotensin converting enzyme 2/Ang-(1-7)/mas axis protects brain from ischemic injury with a tendency of age-dependence. <i>CNS Neuroscience and Therapeutics</i> , 2014 , 20, 452-9	6.8	37
82	Angiotensin-converting enzyme 2: a new target for neurogenic hypertension. <i>Experimental Physiology</i> , 2010 , 95, 601-6	2.4	37
81	Angiotensin-converting enzyme 2 over-expression in the central nervous system reduces angiotensin-II-mediated cardiac hypertrophy. <i>PLoS ONE</i> , 2012 , 7, e48910	3.7	36
80	Angiotensin converting enzyme 2: a new important player in the regulation of glycemia. <i>IUBMB Life</i> , 2013 , 65, 731-8	4.7	33
79	Rab1 GTPase and dimerization in the cell surface expression of angiotensin II type 2 receptor. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 330, 109-17	4.7	33
78	ACE2 mouse models: a toolbox for cardiovascular and pulmonary research. <i>Nature Communications</i> , 2020 , 11, 5165	17.4	31
77	Protective effects of PARP-1 knockout on dyslipidemia-induced autonomic and vascular dysfunction in ApoE mice: effects on eNOS and oxidative stress. <i>PLoS ONE</i> , 2009 , 4, e7430	3.7	30
76	Renovascular hypertension in mice with brain-selective overexpression of AT1a receptors is buffered by increased nitric oxide production in the periphery. <i>Circulation Research</i> , 2004 , 95, 523-31	15.7	29
75	Glutamatergic neurons of the paraventricular nucleus are critical contributors to the development of neurogenic hypertension. <i>Journal of Physiology</i> , 2018 , 596, 6235-6248	3.9	29
74	Brain ACE2 overexpression reduces DOCA-salt hypertension independently of endoplasmic reticulum stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 308, R370-8	3.2	28
73	MicroRNA-125a-5p alleviates the deleterious effects of ox-LDL on multiple functions of human brain microvessel endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2017 , 312, C119-C130	5.4	26
72	ADAM17-Mediated Shedding of Inflammatory Cytokines in Hypertension. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1154	5.6	25
71	Pressor and bradycardic effects of tacrine and other acetylcholinesterase inhibitors in the rat. <i>European Journal of Pharmacology</i> , 1998 , 361, 61-71	5.3	23
70	Enhanced water and salt intake in transgenic mice with brain-restricted overexpression of angiotensin (AT1) receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R1539-45	3.2	23

69	Intact renal afferent arteriolar autoregulatory responsiveness in db/db mice. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F1504-11	4.3	23
68	Lipoic acid reduces neurogenic hypertension by blunting oxidative stress-mediated increase in ADAM17. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H926-34	5.2	21
67	Fluoxetine-induced pressor response in freely moving rats: a role for vasopressin and sympathetic tone. <i>Fundamental and Clinical Pharmacology</i> , 2000 , 14, 443-51	3.1	20
66	The compensatory renin-angiotensin system in the central regulation of arterial pressure: new avenues and new challenges. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2015 , 9, 201-8	3.4	19
65	Nicotine Downregulates the Compensatory Angiotensin-Converting Enzyme 2/Angiotensin Type 2 Receptor of the Renin-Angiotensin System. <i>Annals of the American Thoracic Society</i> , 2018 , 15, S126-S127	4.7	18
64	Opposing roles of PARP-1 in MMP-9 and TIMP-2 expression and mast cell degranulation in dyslipidemic dilated cardiomyopathy. <i>Cardiovascular Pathology</i> , 2011 , 20, e57-68	3.8	18
63	Activation of ADAM17 (A Disintegrin and Metalloprotease 17) on Glutamatergic Neurons Selectively Promotes Sympathoexcitation. <i>Hypertension</i> , 2019 , 73, 1266-1274	8.5	17
62	Central administration of TRV027 improves baroreflex sensitivity and vascular reactivity in spontaneously hypertensive rats. <i>Clinical Science</i> , 2018 , 132, 1513-1527	6.5	16
61	Forkhead Box Transcription Factors of the FOXA Class Are Required for Basal Transcription of Angiotensin-Converting Enzyme 2. <i>Journal of the Endocrine Society</i> , 2017 , 1, 370-384	0.4	16
60	High-fat diet-induced glucose dysregulation is independent of changes in islet ACE2 in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 311, R1223-R1233	3.2	16
59	Effects of Chronic Nicotine Inhalation on Systemic and Pulmonary Blood Pressure and Right Ventricular Remodeling in Mice. <i>Hypertension</i> , 2020 , 75, 1305-1314	8.5	15
58	Perinatal Exposure to Western Diet Programs Autonomic Dysfunction in the Male Offspring. <i>Cellular and Molecular Neurobiology</i> , 2018 , 38, 233-242	4.6	13
57	Excessive Glutamate Stimulation Impairs ACE2 Activity Through ADAM17-Mediated Shedding in Cultured Cortical Neurons. <i>Cellular and Molecular Neurobiology</i> , 2018 , 38, 1235-1243	4.6	13
56	Pleiotropic functions of TNF-alpha determine distinct IKKbeta-dependent hepatocellular fates in response to LPS. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G242-52	5.1	12
55	Kinin B1 Receptor Promotes Neurogenic Hypertension Through Activation of Centrally Mediated Mechanisms. <i>Hypertension</i> , 2017 , 70, 1122-1131	8.5	11
54	Microvesicles Derived from Inflammation-Challenged Endothelial Cells Modulate Vascular Smooth Muscle Cell Functions. <i>Frontiers in Physiology</i> , 2016 , 7, 692	4.6	11
53	Inflammation and neurogenic hypertension: a new role for the circumventricular organs?. <i>Circulation Research</i> , 2010 , 107, 166-7	15.7	10
52	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". <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 297, R248-9	3.2	8

51	Brain angiotensin converting enzyme-2 in central cardiovascular regulation. <i>Clinical Science</i> , 2020 , 134, 2535-2547	6.5	8
50	Determining the Enzymatic Activity of Angiotensin-Converting Enzyme 2 (ACE2) in Brain Tissue and Cerebrospinal Fluid Using a Quenched Fluorescent Substrate. <i>Methods in Molecular Biology</i> , 2017 , 1527, 117-126	1.4	7
49	SARS-CoV-2 infection of the pancreas promotes thrombofibrosis and is associated with new-onset diabetes. <i>JCI Insight</i> , 2021 , 6,	9.9	7
48	Characterization of the central muscarinic cholinceptors involved in the cholinergic pressor response in anesthetized dogs. <i>European Journal of Pharmacology</i> , 1999 , 379, 117-24	5.3	6
47	Angiotensin Type 1 Receptor-Dependent Internalization of SARS-CoV-2 by Angiotensin-Converting Enzyme 2. <i>Hypertension</i> , 2021 , 77, e42-e43	8.5	6
46	Epigenetic modifications of the renin-angiotensin system in cardiometabolic diseases. <i>Clinical Science</i> , 2021 , 135, 127-142	6.5	4
45	Central AT1 receptor blockade restores baroreflex sensitivity and lowers blood pressure in ACE2 knockout mice. <i>FASEB Journal</i> , 2007 , 21,	0.9	3
44	The Actin Bundling Protein Fascin-1 as an ACE2-Accessory Protein. <i>Cellular and Molecular Neurobiology</i> , 2020 , 1	4.6	3
43	Next-Generation Tools to Study Autonomic Regulation In Vivo. <i>Neuroscience Bulletin</i> , 2019 , 35, 113-123	4.3	3
42	Central cardiovascular effects of tacrine in the conscious dog: a role for catecholamines and vasopressin release. <i>European Journal of Pharmacology</i> , 1998 , 348, 191-8	5.3	2
41	Pancreatic ACE2 shedding is associated with impaired glycemia in high fat diet-fed mice.. <i>FASEB Journal</i> , 2013 , 27, 1154.1	0.9	2
40	ACE2 gene therapy decreases fibrosis in the pancreas of high fat diet-fed mice. <i>FASEB Journal</i> , 2013 , 27, 1154.7	0.9	2
39	Angiotensin II type 1 receptor mediates pulmonary hypertension and right ventricular remodeling induced by inhaled nicotine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 320, H1526-H1534	5.2	2
38	Comment on: Takeda et al. Loss of ACE2 exaggerates high-calorie diet-induced insulin resistance by reduction of GLUT4 in mice. <i>Diabetes</i> 2013;62:223-233. <i>Diabetes</i> , 2013 , 62, e9	0.9	1
37	Abstract 79: Knockdown of ACE2 in the Paraventricular Nucleus Partially Reverses the Protective Effects of Brain ACE2 in DOCA-salt Hypertension. <i>Hypertension</i> , 2012 , 60,	8.5	1
36	Brain-Selective Expression of Exogenous Angiotensin (AT1) Receptors Causes Enhanced Cardiovascular Sensitivity.. <i>Hypertension</i> , 2000 , 36, 681-681	8.5	1
35	ACE2 prevention of oxidative stress in the brain is associated with a reduction in Angiotensin II-induced sympathetic vasomodulation. <i>FASEB Journal</i> , 2008 , 22, 1236.3	0.9	1
34	Neuron-targeted expression of ACE2 in the central nervous system prevents angiotensin-II-mediated hypertension. <i>FASEB Journal</i> , 2008 , 22, 741.1	0.9	1

33	Association of Chronic Nicotine Inhalation with Hypertension in Mice. <i>FASEB Journal</i> , 2018 , 32, 918.7	0.9	1
32	Perinatal Epigenetic Modulation of the Brain Renin Angiotensin System Programs Cardiometabolic Diseases. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	1
31	Abstract 088: At 1 Receptor on Glutamatergic Neurons Regulate Autonomic Function Through Modulation of Neuronal Excitability and Sympathetic Outflow. <i>Hypertension</i> , 2017 , 70,	8.5	1
30	ACE2 Shedding: A New Mechanism For Neurogenic Hypertension. <i>FASEB Journal</i> , 2012 , 26, 893.1	0.9	1
29	The PPAR- γ agonist Rosiglitazone increases angiotensin-converting enzyme 2 (ACE2) promoter activity in neurons. <i>FASEB Journal</i> , 2012 , 26, 875.13	0.9	1
28	Tissue-specific expression of angiotensin-converting enzyme 2 (ACE2) from two promoter regions is unaffected by elevated levels of renin and angiotensinogen. <i>FASEB Journal</i> , 2012 , 26, 1134.9	0.9	1
27	ADAM17-enriched Exosomes Contribute to Neuronal Activation in Hypertension. <i>FASEB Journal</i> , 2021 , 35,	0.9	1
26	Voltage-gated potassium channel dysfunction in dorsal root ganglia contributes to the exaggerated exercise pressor reflex in rats with chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H461-H474	5.2	1
25	ACE2 and Glycemic Control 2015 , 219-223		
24	Determination of sex differences in activities of angiotensin-converting enzyme 2 (ACE2) requires an activity assay that doesn't underestimate ACE2. <i>American Journal of Hypertension</i> , 2013 , 26, 1172	2.3	
23	Kinetensin is an Endogenous β arrestin-biased Ligand of Angiotensin AT1 receptor. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
22	In-vitro and in-vivo ACE2 gene delivery: evidence for a role in the central regulation of blood pressure. <i>FASEB Journal</i> , 2007 , 21, A889	0.9	
21	ACE2 over-expression ameliorates glycemic homeostasis in diabetic mice. <i>FASEB Journal</i> , 2008 , 22, 12362.9		
20	Activator of G-protein Signaling 3 null mice: unexpected alterations in metabolic and cardiovascular function. <i>FASEB Journal</i> , 2008 , 22, 908.1	0.9	
19	Effects of Chronically Inhaled Nicotine on Cardiac Function. <i>FASEB Journal</i> , 2018 , 32, 901.8	0.9	
18	Chronic Nicotine Inhalation Promotes the Development of Pulmonary Hypertension. <i>FASEB Journal</i> , 2019 , 33, 696.22	0.9	
17	ADAM17 on glutamatergic neurons contributes to peripheral immune activation through increasing sympathetic activity. <i>FASEB Journal</i> , 2019 , 33, 740.6	0.9	
16	V1A-vasopressin receptor blockade reduces the fluoxetine-induced pressor response in freely moving rats. <i>Journal of Hypertension</i> , 1999 , 17, 853-854	1.9	

- 15 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
- 14 Central ACE2 reduces blood pressure and restores baroreflex and autonomic functions in chronically hypertensive mice. *FASEB Journal*, **2009**, 23, 607.1 0.9
- 13 ACE2 gene therapy leads to Ang-(1-7)-mediated restoration of glucose metabolism in diabetic mice. *FASEB Journal*, **2009**, 23, 991.9 0.9
- 12 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
- 11 Selective over expression of central ACE2 prevents baroreflex dysfunction in the chronic heart failure. *FASEB Journal*, **2009**, 23, 610.2 0.9
- 10 ACE2 over-expression regulates oxidative stress gene expression in the brainstem. *FASEB Journal*, **2010**, 24, 1036.7 0.9
- 9 ACE2 Inhibits Angiotensin-II Mediated NADPH Oxidase Activation In The Central Nervous System. *FASEB Journal*, **2010**, 24, 1018.3 0.9
- 8 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
- 7 Stimulation of angiotensin-converting enzyme 2 promoter activity by hepatocyte nuclear factor 1 β (HNF1 β) in insulinoma cells. *FASEB Journal*, **2011**, 25, 1063.5 0.9
- 6 Angiotensin converting enzyme 2 attenuates angiotensin II-mediated phosphorylation of MAP kinase and Akt in neurons. *FASEB Journal*, **2012**, 26, 703.21 0.9
- 5 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
- 4 Hepatocyte nuclear factors 1 α and 1 β (HNF1 α and HNF1 β) 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
- 3 Development of a radioligand for angiotensin-converting enzyme-2 (ACE-2). *FASEB Journal*, **2012**, 26, 1105.6 0.9
- 2 ACE2 inhibits Endoplasmic Reticulum stress and autophagy associated to neurogenic hypertension. *FASEB Journal*, **2013**, 27, 929.1 0.9
- 1 Hepatocyte nuclear factor 1 β stimulates 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