Jorge F Giani

List of Publications by Year
in descending order

60 papers	2,093 citations	236925 25 h-index	254184 43 g-index
61 all docs	61 docs citations	61 times ranked	2997 citing authors

#	Article	IF	Citations
1	A Modern Understanding of the Traditional and Nontraditional Biological Functions of Angiotensin-Converting Enzyme. Pharmacological Reviews, 2013, 65, 1-46.	16.0	240
2	The absence of intrarenal ACE protects against hypertension. Journal of Clinical Investigation, 2013, 123, 2011-2023.	8.2	176
3	Angiotensin-converting enzyme in innate and adaptive immunity. Nature Reviews Nephrology, 2018, 14, 325-336.	9.6	166
4	Oral administration of angiotensin-(1â€“7) ameliorates type 2 diabetes in rats. Journal of Molecular Medicine, 2014, 92, 255-265.	3.9	74
5	Myeloid Suppressor Cells Accumulate and Regulate Blood Pressure in Hypertension. Circulation Research, 2015, 117, 858-869.	4.5	73
6	Burst pacemaker activity of the sinoatrial node in sodiumâ€“calcium exchanger knockout mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9769-9774.	7.1	71
7	Angiotensin-converting enzyme enhances the oxidative response and bactericidal activity of neutrophils. Blood, 2017, 130, 328-339.	1.4	68
8	Angiotensin-(1â€“7) reduces proteinuria and diminishes structural damage in renal tissue of stroke-prone spontaneously hypertensive rats. American Journal of Physiology - Renal Physiology, 2011, 300, F272-F282.	2.7	62
9	The Mas receptor mediates modulation of insulin signaling by angiotensin-(1â€“7). Regulatory Peptides, 2012, 177, 1-11.	1.9	60
10	Angiotensin-(1-7) stimulates the phosphorylation of Akt in rat extracardiac tissues in vivo via receptor Mas. Regulatory Peptides, 2010, 161, 1-7.	1.9	56
11	Angiotensin IIâ€“Induced End-Organ Damage in Mice Is Attenuated by Human Exosomes and by an Exosomal Y RNA Fragment. Hypertension, 2018, 72, 370-380.	2.7	49
12	Rediscovering ACE: novel insights into the many roles of the angiotensin-converting enzyme. Journal of Molecular Medicine, 2013, 91, 1143-1154.	3.9	48
13	Renal Angiotensin-Converting Enzyme Is Essential for the Hypertension Induced by Nitric Oxide Synthesis Inhibition. Journal of the American Society of Nephrology: JASN, 2014, 25, 2752-2763.	6.1	48
14	Modulation of the action of insulin by angiotensin-(1â€“7). Clinical Science, 2014, 126, 613-630.	4.3	46
15	TANK-binding kinase 1 mediates phosphorylation of insulin receptor at serine residue 994: a potential link between inflammation and insulin resistance. Journal of Endocrinology, 2009, 201, 185-197.	2.6	42
16	Long-term treatment with an angiotensin II receptor blocker decreases adipocyte size and improves insulin signaling in obese Zucker rats. Journal of Hypertension, 2009, 27, 2409-2420.	0.5	41
17	Angiotensinâ€converting enzyme inhibitor works as a scar formation inhibitor by downâ€regulating Smad and TGFâ€Î²â€activated kinase 1 (TAK1) pathways in mice. British Journal of Pharmacology, 2018, 175, 4239-4252.	5.4	41
18	ATP release drives heightened immune responses associated with hypertension. Science Immunology, 2019, 4, .	11.9	41

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19	Renal angiotensin-converting enzyme and blood pressure control. Current Opinion in Nephrology and Hypertension, 2014, 23, 106-112.	2.0	38
20	Antifibrotic Effects of Pioglitazone at Low Doses on the Diabetic Rat Kidney Are Associated with the Improvement of Markers of Cell Turnover, Tubular and Endothelial Integrity, and Angiogenesis. Kidney and Blood Pressure Research, 2011, 34, 20-33.	2.0	37
21	Angiotensin-(1-7) has a dual role on growth-promoting signalling pathways in rat heart in vivo by stimulating STAT3 and STAT5a/b phosphorylation and inhibiting angiotensin II-stimulated ERK1/2 and Rho kinase activity. Experimental Physiology, 2008, 93, 570-578.	2.0	35
22	Electrolyte and transporter responses to angiotensin II induced hypertension in female and male rats and mice. Acta Physiologica, 2020, 229, e13448.	3.8	34
23	Tumors exploit CXCR4 ^{hi} CD62L ^{lo} aged neutrophils to facilitate metastatic spread. OncoImmunology, 2021, 10, 1870811.	4.6	33
24	The Absence of the ACE N-Domain Decreases Renal Inflammation and Facilitates Sodium Excretion during Diabetic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2018, 29, 2546-2561.	6.1	30
25	Renal tubular ACE-mediated tubular injury is the major contributor to microalbuminuria in early diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2018, 314, F531-F542.	2.7	29
26	Role of angiotensin-converting enzyme in myeloid cell immune responses. Cellular and Molecular Biology Letters, 2020, 25, 31.	7.0	27
27	Renal Generation of Angiotensin II and the Pathogenesis of Hypertension. Current Hypertension Reports, 2014, 16, 477.	3.5	26
28	Markers of oxidative/nitrosative stress and inflammation in lung tissue of rats exposed to different intravenous iron compounds. Drug Design, Development and Therapy, 2017, Volume 11, 2251-2263.	4.3	24
29	Overexpression of the C-domain of angiotensin-converting enzyme reduces melanoma growth by stimulating M1 macrophage polarization. Journal of Biological Chemistry, 2019, 294, 4368-4380.	3.4	24
30	ACE overexpression in myeloid cells increases oxidative metabolism and cellular ATP. Journal of Biological Chemistry, 2020, 295, 1369-1384.	3.4	23
31	Salt Sensitivity in Response to Renal Injury Requires Renal Angiotensin-Converting Enzyme. Hypertension, 2015, 66, 534-542.	2.7	22
32	Intravenous iron sucrose reverses anemia-induced cardiac remodeling, prevents myocardial fibrosis, and improves cardiac function by attenuating oxidative/nitrosative stress and inflammation. International Journal of Cardiology, 2016, 212, 84-91.	1.7	22
33	Collecting Duct Nitric Oxide Synthase 1ÃŸ Activation Maintains Sodium Homeostasis During High Sodium Intake Through Suppression of Aldosterone and Renal Angiotensin II Pathways. Journal of the American Heart Association, 2017, 6, .	3.7	20
34	Novel roles of the renal angiotensin-converting enzyme. Molecular and Cellular Endocrinology, 2021, 529, 111257.	3.2	20
35	An ACE inhibitor reduces bactericidal activity of human neutrophils in vitro and impairs mouse neutrophil activity in vivo. Science Translational Medicine, 2021, 13, .	12.4	20
36	Renal Inflammation Induces Salt Sensitivity in Male db/db Mice through Dysregulation of ENaC. Journal of the American Society of Nephrology: JASN, 2021, 32, 1131-1149.	6.1	19

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37	Chronic administration of the angiotensin type 2 receptor agonist C21 improves insulin sensitivity in C57BL/6 mice.. Physiological Reports, 2018, 6, e13824.	1.7	18
38	ACE overexpression in myeloid cells increases oxidative metabolism and cellular ATP. Journal of Biological Chemistry, 2020, 295, 1369-1384.	3.4	18
39	Tubular IL-1Î² Induces Salt Sensitivity in Diabetes by Activating Renal Macrophages. Circulation Research, 2022, 131, 59-73.	4.5	18
40	Angiotensin-converting enzyme overexpression in myelocytes enhances the immune response. Biological Chemistry, 2014, 395, 1173-1178.	2.5	17
41	Upregulation of the angiotensin-converting enzyme 2/angiotensin-(1â€“7)/Mas receptor axis in the heart and the kidney of growth hormone receptor knock-out mice. Growth Hormone and IGF Research, 2012, 22, 224-233.	1.1	16
42	The intrarenal generation of angiotensin II is required for experimental hypertension. Current Opinion in Pharmacology, 2015, 21, 73-81.	3.5	14
43	Renal tubular angiotensin converting enzyme isÂresponsible for nitro-L-arginine methyl esterÂ(L-NAME)-induced salt sensitivity. Kidney International, 2017, 91, 856-867.	5.2	12
44	Overexpression of ACE in Myeloid Cells Increases Immune Effectiveness and Leads to a New Way of Considering Inflammation in Acute and Chronic Diseases. Current Hypertension Reports, 2020, 22, 4.	3.5	11
45	Overexpression of myeloid angiotensin-converting enzyme (ACE) reduces atherosclerosis. Biochemical and Biophysical Research Communications, 2019, 520, 573-579.	2.1	10
46	Female Mice Exposed to Postnatal Neglect Display Angiotensin IIâ€“Dependent Obesityâ€Induced Hypertension. Journal of the American Heart Association, 2019, 8, e012309.	3.7	10
47	Activation of AT₂ receptors prevents diabetic complications in female db/db mice by NOâ€mediated mechanisms. British Journal of Pharmacology, 2020, 177, 4766-4781.	5.4	10
48	Ames dwarf (Prop1df/Prop1df) mice display increased sensitivity of the major GH-signaling pathways in liver and skeletal muscle. Growth Hormone and IGF Research, 2010, 20, 118-126.	1.1	9
49	Ischemic Postconditioning Reduces Infarct Size Through the Î±1-Adrenergic Receptor Pathway. Journal of Cardiovascular Pharmacology, 2014, 63, 504-511.	1.9	9
50	Centrally administered insulin potentiates the pressor response to angiotensin II. Regulatory Peptides, 2010, 163, 57-61.	1.9	8
51	Mice lacking angiotensin type 2 receptor exhibit a sex-specific attenuation of insulin sensitivity. Molecular and Cellular Endocrinology, 2019, 498, 110587.	3.2	8
52	Overexpression of angiotensin-converting enzyme in myelomonocytic cells enhances the immune response. F1000Research, 2016, 5, 393.	1.6	7
53	Local and downstream actions of proximal tubule angiotensin II signaling on Na+ transporters in the mouse nephron. American Journal of Physiology - Renal Physiology, 2021, 321, F69-F81.	2.7	5
54	The non-cardiovascular actions of ACE. Peptides, 2022, 152, 170769.	2.4	5

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55	Intrarenal Renin Angiotensin System Imbalance During Postnatal Life Is Associated With Increased Microvascular Density in the Mature Kidney. Frontiers in Physiology, 2020, 11, 1046.	2.8	2
56	Angiotensin II Type 1 Receptorâ€“associated Protein. Hypertension, 2013, 61, 1150-1152.	2.7	1
57	Abstract MP32: Renal Tubular Epithelial Cell-derived IL-1Î² Triggers The Inflammatory Response That Induces Salt Sensitivity In Diabetes. Hypertension, 2021, 78, .	2.7	0
58	Abstract P197: Increased Serotonin In Visceral Adipose Tissue May Contribute To Stimulate Sensory Neurons Mediating Obesity Hypertension In Mice Exposed To Early Life Stress. Hypertension, 2021, 78, .	2.7	0
59	Increased activity of the angiotensin converting enzyme Câ€domain reduces melanoma growth by stimulating M1 macrophage polarization. FASEB Journal, 2019, 33, 576.5.	0.5	0
60	Renal Tubular ILâ€1Î² Induces Salt Sensitivity in Diabetes by Activating Renal Macrophages. FASEB Journal, 2022, 36, .	0.5	0