Daniela Carnevale

List of Publications by Year
in descending order

64 papers	2,228 citations	186265 28 h-index	233421 45 g-index
65 all docs	65 docs citations	65 times ranked	3590 citing authors

#	Article	IF	Citations
1	Activation of alpha7 nicotinic acetylcholine receptor by nicotine selectively up-regulates cyclooxygenase-2 and prostaglandin E2 in rat microglial cultures. Journal of Neuroinflammation, 2005, 2, 4.	7.2	209
2	Hypertension Induces Brain Î²-Amyloid Accumulation, Cognitive Impairment, and Memory Deterioration Through Activation of Receptor for Advanced Glycation End Products in Brain Vasculature. Hypertension, 2012, 60, 188-197.	2.7	199
3	Microglia-Neuron Interaction in Inflammatory and Degenerative Diseases: Role of Cholinergic and Noradrenergic Systems. CNS and Neurological Disorders - Drug Targets, 2007, 6, 388-397.	1.4	133
4	A cholinergic-sympathetic pathway primes immunity in hypertension and mediates brain-to-spleen communication. Nature Communications, 2016, 7, 13035.	12.8	103
5	The Angiogenic Factor PlGF Mediates a Neuroimmune Interaction in the Spleen to Allow the Onset of Hypertension. Immunity, 2014, 41, 737-752.	14.3	93
6	Neuroimmune cardiovascular interfaces control atherosclerosis. Nature, 2022, 605, 152-159.	27.8	86
7	Role of neuroinflammation in hypertension-induced brain amyloid pathology. Neurobiology of Aging, 2012, 33, 205.e19-205.e29.	3.1	83
8	IQGAP1 regulates ERK1/2 and AKT signalling in the heart and sustains functional remodelling upon pressure overload. Cardiovascular Research, 2011, 91, 456-464.	3.8	76
9	Identification of a brainstem locus that inhibits tumor necrosis factor. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29803-29810.	7.1	76
10	Tumor Necrosis Factor-Î± Mediates Hemolysis-Induced Vasoconstriction and the Cerebral Vasospasm Evoked by Subarachnoid Hemorrhage. Hypertension, 2009, 54, 150-156.	2.7	70
11	Pressure-Induced Vascular Oxidative Stress Is Mediated Through Activation of Integrin-Linked Kinase 1/Î²PIX/Rac-1 Pathway. Hypertension, 2009, 54, 1028-1034.	2.7	67
12	Distinct Effects of Leukocyte and Cardiac Phosphoinositide 3-Kinase Î³ Activity in Pressure Overloadâ€"Induced Cardiac Failure. Circulation, 2011, 123, 391-399.	1.6	65
13	Placental Growth Factor Regulates Cardiac Inflammation Through the Tissue Inhibitor of Metalloproteinases-3/Tumor Necrosis Factor-Î±â€"Converting Enzyme Axis. Circulation, 2011, 124, 1337-1350.	1.6	57
14	NGF promotes microglial migration through the activation of its high affinity receptor: Modulation by TGF-Î². Journal of Neuroimmunology, 2007, 190, 53-60.	2.3	51
15	Hypertension and Dementia: Epidemiological and Experimental Evidence Revealing a Detrimental Relationship. International Journal of Molecular Sciences, 2016, 17, 347.	4.1	51
16	Striatal 6-OHDA lesion in mice: Investigating early neurochemical changes underlying Parkinson's disease. Behavioural Brain Research, 2010, 208, 137-143.	2.2	45
17	PI3KÎ³ inhibition reduces blood pressure by a vasorelaxant Akt/L-type calcium channel mechanism. Cardiovascular Research, 2012, 93, 200-209.	3.8	43
18	Targeting Interleukin-1Î² Protects from Aortic Aneurysms Induced by Disrupted Transforming Growth Factor Î² Signaling. Immunity, 2017, 47, 959-973.e9.	14.3	43

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19	The Spleen: A Hub Connecting Nervous and Immune Systems in Cardiovascular and Metabolic Diseases. International Journal of Molecular Sciences, 2017, 18, 1216.	4.1	41
20	Pathophysiological Links Among Hypertension and Alzheimerâ€™s Disease. High Blood Pressure and Cardiovascular Prevention, 2016, 23, 3-7.	2.2	39
21	Lack of kinaseâ€independent activity of PI3KÎ³ in locus coeruleus induces ADHD symptoms through increased CREB signaling. EMBO Molecular Medicine, 2015, 7, 904-917.	6.9	38
22	Brain Functional Magnetic Resonance Imaging Highlights Altered Connections and Functional Networks in Patients With Hypertension. Hypertension, 2020, 76, 1480-1490.	2.7	38
23	Vascular Smooth Muscle Emilin-1 Is a Regulator of Arteriolar Myogenic Response and Blood Pressure. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2178-2184.	2.4	33
24	PI3KÂ in hypertension: a novel therapeutic target controlling vascular myogenic tone and target organ damage. Cardiovascular Research, 2012, 95, 403-408.	3.8	33
25	Deoxycorticosterone acetate-salt hypertension activates placental growth factor in the spleen to couple sympathetic drive and immune system activation. Cardiovascular Research, 2018, 114, 456-467.	3.8	33
26	PI3Kinases in Diabetes Mellitus and Its Related Complications. International Journal of Molecular Sciences, 2018, 19, 4098.	4.1	33
27	Combined inhibition of PI3KÎ² and PI3KÎ³ reduces fat mass by enhancing Î±-MSHâ€“dependent sympathetic drive. Science Signaling, 2014, 7, ra110.	3.6	31
28	Brain MRI fiber-tracking reveals white matter alterations in hypertensive patients without damage at conventional neuroimaging. Cardiovascular Research, 2018, 114, 1536-1546.	3.8	31
29	â€˜Alzheimer-likeâ€™ pathology in a murine model of arterial hypertension. Biochemical Society Transactions, 2011, 39, 939-944.	3.4	30
30	Angiotensin (1â€“7) counteracts the negative effect of angiotensin II on insulin signalling in HUVECs. Cardiovascular Research, 2013, 99, 129-136.	3.8	29
31	TIMP3 interplays with apelin to regulate cardiovascular metabolism in hypercholesterolemic mice. Molecular Metabolism, 2015, 4, 741-752.	6.5	23
32	Celiac Vagus Nerve Stimulation Recapitulates Angiotensin II-Induced Splenic Noradrenergic Activation, Driving Egress of CD8 Effector Cells. Cell Reports, 2020, 33, 108494.	6.4	22
33	Neuroimmune axis of cardiovascular control: mechanisms and therapeutic implications. Nature Reviews Cardiology, 2022, 19, 379-394.	13.7	21
34	Placental Growth Factor and Cardiac Inflammation. Trends in Cardiovascular Medicine, 2012, 22, 209-212.	4.9	19
35	Loss of EMILIN-1 Enhances Arteriolar Myogenic Tone Through TGF-Î² (Transforming Growth) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Hypertension in Mice and Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2484-2497.	2.4	19
36	Neural Control of Immunity in Hypertension: Council on Hypertension Mid Career Award for Research Excellence, 2019. Hypertension, 2020, 76, 622-628.	2.7	18

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37	Neuroimmune interactions in cardiovascular diseases. Cardiovascular Research, 2021, 117, 402-410.	3.8	18
38	Greater resistance to inflammation at adulthood could contribute to extended life span of p66Shcâˆ'/âˆ' mice. Experimental Gerontology, 2010, 45, 343-350.	2.8	16
39	Chronic Type A aortic dissection: could surgical intervention be guided by molecular markers?. Journal of Cellular and Molecular Medicine, 2011, 15, 1615-1619.	3.6	14
40	The Multifaceted Roles of PI3KÎ³ in Hypertension, Vascular Biology, and Inflammation. International Journal of Molecular Sciences, 2016, 17, 1858.	4.1	14
41	Heart, Spleen, Brain. Circulation, 2018, 138, 1917-1919.	1.6	14
42	The Interactions of the Immune System and the Brain in Hypertension. Current Hypertension Reports, 2018, 20, 7.	3.5	9
43	PI3KÎ³ Inhibition Protects Against Diabetic Cardiomyopathy in Mice. Revista Espanola De Cardiologia (English Ed), 2017, 70, 16-24.	0.6	8
44	Mechanical stretch on endothelial cells interconnects innate and adaptive immune response in hypertension. Cardiovascular Research, 2018, 114, 1432-1434.	3.8	7
45	Chronic 3D Vascular-Immune Interface Established by Coculturing Pressurized Resistance Arteries and Immune Cells. Hypertension, 2021, 78, 1648-1661.	2.7	7
46	Immunological Aspects of Hypertension. High Blood Pressure and Cardiovascular Prevention, 2016, 23, 91-95.	2.2	6
47	The Fourth Bioelectronic Medicine Summit â€œTechnology Targeting Molecular Mechanismsâ€: current progress, challenges, and charting the future. Bioelectronic Medicine, 2021, 7, 7.	2.3	5
48	Brain Areas Involved in Modulating the Immune Response Participating in Hypertension and Its Target Organ Damage. Antioxidants and Redox Signaling, 2021, 35, 1515-1530.	5.4	5
49	Hypertension and Cerebrovascular Dysfunction. High Blood Pressure and Cardiovascular Prevention, 2010, 17, 191-200.	2.2	4
50	Hemorrhagic transformation of acute ischemic stroke is limited in hypertensive patients with cardiac hypertrophy. International Journal of Cardiology, 2016, 219, 362-366.	1.7	4
51	The â€œhidden side of the moonâ€•in hypertension: When and why is dangerous low diastolic blood pressure?. International Journal of Cardiology, 2019, 276, 268-270.	1.7	2
52	Ultrasound-guided catheter implantation improves conscious radiotelemetric blood pressure measurement in mice. Cardiovascular Research, 2021, 117, 661-662.	3.8	2
53	PlGF, immune system and hypertension. Oncotarget, 2015, 6, 18246-18247.	1.8	2
54	G-Protein-Coupled Receptor Kinases in Hypertension. High Blood Pressure and Cardiovascular Prevention, 2013, 20, 3-4.	2.2	0

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55	A neurohumoral activation of renin-angiotensin-aldosterone system in endothelial dysfunction modulating immunity in heart failure. Cardiovascular Research, 2021, 117, 9-10.	3.8	0
56	Editorial: Involvement of Blood Brain Barrier Efficacy, Neurovascular Coupling and Angiogenesis in the Healthy and Diseased Brain. Frontiers in Physiology, 2021, 12, 771069.	2.8	0
57	Could the Hispanic Population Benefit More of Intensive Blood Pressure Control to Reduce the Occurrence of Dementia?. Hypertension, 2021, 78, 1667-1668.	2.7	0
58	Abstract 562: Plgf is Crucial for the Hypertensive Response and T Cells Infiltration in Target Organs Induced by Angii. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
59	Abstract 19932: A Neuroimmune Drive Activates Plgf to Control an Epigenetic Mechanism in the Spleen That Allows T Cells Activation in Hypertension. Circulation, 2014, 130, .	1.6	0
60	Abstract 300: Pathogenetic Mechanisms of Thoracic Aortic Aneurysm in a Smad4 Mutant Mouse Model: Identification of New Molecular Targets for Pharmacological Therapy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
61	Abstract 169: Hypertension Down Regulates Emilin1 in the Extracellular Matrix of Resistance Arteries in Humans and Mice, in Order to Increase the Myogenic Tone Through Overactive TGFÎ², Thus Contributing to Blood Pressure Regulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
62	Editorial: Involvement of Blood Brain Barrier Efficacy, Neurovascular Coupling, and Angiogenesis in the Healthy and Diseased Brain, Volume II. Frontiers in Physiology, 2022, 13, 829901.	2.8	0
63	Abstract 511: Emilin1 Controls Myogenic Response of Resistance Arteries by Modulation of TRPC6 Through the TGFÃŸ/ALK5/ADAM17/EGFR Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	2.4	0
64	Abstract 251: Selective Deletion of Smad4 in Smooth Muscle Cells Causes Thoracic Aortic Aneurysm in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0