Anne M Dorrance

List of Publications by Year
in descending order

71 papers	1,970 citations	279487 23 h-index	276539 41 g-index
107 all docs	107 docs citations	107 times ranked	2763 citing authors

#	Article	IF	Citations
1	The effects of hypertension on the cerebral circulation. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1598-H1614.	1.5	303
2	Direct regulation of blood pressure by smooth muscle cell mineralocorticoid receptors. Nature Medicine, 2012, 18, 1429-1433.	15.2	286
3	An Epoxide Hydrolase Inhibitor, 12-(3-Adamantan-1-yl-ureido)dodecanoic Acid (AUDA), Reduces Ischemic Cerebral Infarct Size in Stroke-Prone Spontaneously Hypertensive Rats. Journal of Cardiovascular Pharmacology, 2005, 46, 842-848.	0.8	117
4	Spironolactone reduces cerebral infarct size and EGF-receptor mRNA in stroke-prone rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R944-R950.	0.9	97
5	Spironolactone improves structure and increases tone in the cerebral vasculature of male spontaneously hypertensive stroke-prone rats. Microvascular Research, 2007, 73, 198-205.	1.1	77
6	Effects of Stroke on the Autonomic Nervous System. , 2015, 5, 1241-1263.		75
7	Diet-induced obesity causes cerebral vessel remodeling and increases the damage caused by ischemic stroke. Microvascular Research, 2009, 78, 100-106.	1.1	68
8	Doxycycline, a matrix metalloprotease inhibitor, reduces vascular remodeling and damage after cerebral ischemia in stroke-prone spontaneously hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H87-H97.	1.5	68
9	Mineralocorticoid Receptor Activation Causes Cerebral Vessel Remodeling and Exacerbates the Damage Caused by Cerebral Ischemia. Hypertension, 2006, 47, 590-595.	1.3	67
10	The Effects of Obesity on the Cerebral Vasculature. Current Vascular Pharmacology, 2014, 12, 462-472.	0.8	67
11	Regulation of myogenic tone and structure of parenchymal arterioles by hypertension and the mineralocorticoid receptor. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H127-H136.	1.5	57
12	Aging is associated with changes to the biomechanical properties of the posterior cerebral artery and parenchymal arterioles. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H365-H375.	1.5	54
13	Glucocorticoids Decrease GTP Cyclohydrolase and Tetrahydrobiopterin-dependent Vasorelaxation through Glucocorticoid Receptors. Journal of Cardiovascular Pharmacology, 2004, 43, 8-13.	0.8	39
14	Improvement in Middle Cerebral Artery Structure and Endothelial Function in Strokeâ€Prone Spontaneously Hypertensive Rats after Macrophage Depletion. Microcirculation, 2013, 20, 650-661.	1.0	39
15	Effects of Spironolactone on Cerebral Vessel Structure in Rats With Sustained Hypertension. American Journal of Hypertension, 2011, 24, 708-715.	1.0	38
16	Endothelial Mineralocorticoid Receptor Mediates Parenchymal Arteriole and Posterior Cerebral Artery Remodeling During Angiotensin IIâ€"Induced Hypertension. Hypertension, 2017, 70, 1113-1121.	1.3	36
17	Tumor necrosis factor-Î± inhibition attenuates middle cerebral artery remodeling but increases cerebral ischemic damage in hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H658-H669.	1.5	33
18	Mineralocorticoid receptor antagonism improves parenchymal arteriole dilation via a TRPV4-dependent mechanism and prevents cognitive dysfunction in hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1304-H1315.	1.5	31

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19	The Development of Hypertension and Hyperaldosteronism in a Rodent Model of Life-Long Obesity. Endocrinology, 2012, 153, 1764-1773.	1.4	29
20	Novel signaling pathways contributing to vascular changes in hypertension. Journal of Biomedical Science, 2000, 7, 431-443.	2.6	28
21	Mineralocorticoids upregulate arterial contraction to epidermal growth factor. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R878-R886.	0.9	26
22	Bilateral common carotid artery stenosis in normotensive rats impairs endothelium-dependent dilation of parenchymal arterioles. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1321-H1329.	1.5	26
23	Obesity-Induced Hypertension Develops in Young Rats Independently of the Renin-Angiotensin-Aldosterone System. Experimental Biology and Medicine, 2006, 231, 282-287.	1.1	25
24	Intact female stroke-prone hypertensive rats lack responsiveness to mineralocorticoid receptor antagonists. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1754-R1763.	0.9	25
25	Interleukin 1-beta (IL-1Î²) enhances contractile responses in endothelium-denuded aorta from hypertensive, but not normotensive, rats. Vascular Pharmacology, 2007, 47, 160-165.	1.0	25
26	Aldosterone: good guy or bad guy in cerebrovascular disease?. Trends in Endocrinology and Metabolism, 2005, 16, 401-406.	3.1	23
27	A high-potassium diet reduces infarct size and improves vascular structure in hypertensive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R415-R422.	0.9	21
28	Transient receptor potential vanilloid 4 channels are important regulators of parenchymal arteriole dilation and cognitive function. Microcirculation, 2019, 26, e12535.	1.0	18
29	Soluble epoxide hydrolase inhibition improves cognitive function and parenchymal artery dilation in a hypertensive model of chronic cerebral hypoperfusion. Microcirculation, 2021, 28, e12653.	1.0	16
30	Carotid artery stenosis in hypertensive rats impairs dilatory pathways in parenchymal arterioles. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H122-H130.	1.5	11
31	Mineralocorticoid receptor antagonism prevents obesityâ€induced cerebral artery remodeling and reduces white matter injury in rats. Microcirculation, 2018, 25, e12460.	1.0	11
32	Dietary potassium supplementation improves vascular structure and ameliorates the damage caused by cerebral ischemia in normotensive rats. Nutrition and Metabolism, 2008, 5, 3.	1.3	10
33	DOCAâ€salt hypertension impairs artery function in rat middle cerebral artery and parenchymal arterioles. Microcirculation, 2016, 23, 571-579.	1.0	8
34	Interfering with mineralocorticoid receptor activation: the past, present, and future. F1000prime Reports, 2014, 6, 61.	5.9	8
35	Stroke Therapy: Is Spironolactone the Holy Grail?. Endocrinology, 2008, 149, 3761-3763.	1.4	5
36	Regulation of ion channels in the microcirculation by mineralocorticoid receptor activation. Current Topics in Membranes, 2020, 85, 151-185.	0.5	5

#	ARTICLE	IF	CITATIONS
37	Sex differences in vascular expression and activation of STIMâ€1/Oraiâ€1 during hypertension: focus on calcium regulation. FASEB Journal, 2009, 23, .	0.2	3
38	Chronic cerebral hypoperfusion in male rats results in sustained HPA activation and hyperinsulinemia. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E24-E33.	1.8	3
39	The Effects of Hypertension and Stroke on the Cerebral Vasculature. , 2016, , 81-108.		2
40	Clopidogrel treatment inhibits P2Y2-Mediated constriction in the rabbit middle cerebral artery. European Journal of Pharmacology, 2021, 911, 174545.	1.7	2
41	Cerebral Small Vessel Disease and Vascular Cognitive Impairment: Preclinical Aspects. , 2019, , 275-285.		1
42	Rs10230207 genotype confers changes in HDAC9 and TWIST1, but not FERD3L in lymphoblasts from patients with intracranial aneurysm. Neurogenetics, 2019, 20, 83-89.	0.7	1
43	Tempol prevents vascular remodeling in stroke prone spontaneously hypertensive rats (SHRSP).. FASEB Journal, 2007, 21, A525.	0.2	1
44	Novel signaling pathways contributing to vascular changes in hypertension. , 2000, 7, 431.		1
45	Perivascular fat impairs contraction in aorta from obese but not lean adult rats. FASEB Journal, 2012, 26, 1115.4.	0.2	1
46	Endothelial P2Y ₂ â€mediated vasoconstriction is inhibited in middle cerebral arteries of rabbits treated with clopidogrel. FASEB Journal, 2021, 35, .	0.2	0
47	Sexual Dimorphisms in Hypertensionâ€Associated Cerebrovascular Damage. FASEB Journal, 2021, 35, .	0.2	0
48	Eplerenone Prevents Cerebral Vessel Remodeling in Male Hypertensive Rats. FASEB Journal, 2007, 21, .	0.2	0
49	Inhibition of 11HSD2 elevates blood pressure and increases infarct size after cerebral ischemia.. FASEB Journal, 2007, 21, A898.	0.2	0
50	Diabetes Increases Cerebrovascular Permeability: Relevance to Ischemia/Reperfusion Injury. FASEB Journal, 2008, 22, 1151.17.	0.2	0
51	Increases in blood pressure occur prior to significant elevations in weight in a dietâ€induced lifeâ€long obesity rat model. FASEB Journal, 2009, 23, 1017.20.	0.2	0
52	Entanercept reduces vessel remodeling in stroke prone spontaneously hypertensive rats. FASEB Journal, 2009, 23, 805.11.	0.2	0
53	Early sympathetic denervation of splanchnic organs significantly attenuates hypertension and stroke development in strokeâ€prone spontaneously hypertensive rats. FASEB Journal, 2009, 23, 967.4.	0.2	0
54	Antioxidant treatment with tempol prevents obesity induced remodeling of middle cerebral arteries in Spragueâ€Dawley rats. FASEB Journal, 2009, 23, 613.12.	0.2	0

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55	Ischemia/Reperfusion Injury Causes an Outward Remodeling of the Middle Cerebral Artery.. FASEB Journal, 2010, 24, 604.2.	0.2	0
56	Impact of hypertension and hormonal status on relaxation of the pudendal vasculature in aging female rats. FASEB Journal, 2010, 24, 985.8.	0.2	0
57	Regional blood flow changes underlying the hypotensive action of 5â€HT:Studies using Doppler and Microsphere technologies. FASEB Journal, 2012, 26, 684.12.	0.2	0
58	Abstract W P395: Aging Alters Vascular Stiffness in the Posterior Cerebral Artery in C57bl/6 Mice. Stroke, 2015, 46, .	1.0	0
59	Abstract TP451: Age-associated Changes in the Structure and Biomechanical Properties of Parenchymal Arterioles. Stroke, 2016, 47, .	1.0	0
60	Abstract WP418: Mineralocorticoid Receptor Signaling is Associated With Neuroinflammation and Changes in Cognitive Function in Angiotensin II-Induced Hypertension. Stroke, 2018, 49, .	1.0	0
61	Mineralocorticoid Receptor Signaling Regulates Parenchymal Arteriole Vasodilation and Cognitive Function. FASEB Journal, 2018, 32, 711.14.	0.2	0
62	Mineralocorticoid Receptor Signaling Regulates Parenchymal Arteriole Vasodilation and Cognitive Function. FASEB Journal, 2018, 32, 843.32.	0.2	0
63	Abstract WP115: Association of HDAC9, TWIST1, and FERD3L Expression With the Risk of Intracranial Aneurysm. Stroke, 2019, 50, .	1.0	0
64	Endothelial Mineralocorticoid Receptor Mediates Cerebrovascular Dysfunction in Parenchymal Arterioles during Angiotensin IIâ€Hypertension. FASEB Journal, 2019, 33, 688.5.	0.2	0
65	Increased HDAC9 Expression is Associated with Decreased Estrogen in Female Patients with Intracranial Aneurysm. FASEB Journal, 2019, 33, 828.5.	0.2	0
66	High Fat Diet Consumption and its Association with Parenchymal Arteriole Structure and Cognition. FASEB Journal, 2019, 33, 688.3.	0.2	0
67	>Clopidogrel Rescues the Adverse Cerebral Vascular Effects Associated with Angiotensin IIâ€Induced Hypertension. FASEB Journal, 2022, 36, .	0.2	0
68	Abstract W P391: Obesity Causes Endothelium Dysfunction in Rat Cerebral Parenchymal Arterioles. Stroke, 2015, 46, .	1.0	0
69	Abstract T P416: Bilateral Common Carotid Artery Stenosis in Normotensive Rats Impairs Short-Term Memory and Dilation in Penetrating Arterioles. Stroke, 2015, 46, .	1.0	0
70	Abstract TP450: Angiotensin II-induced Hypertension is Associated With Parenchymal Arteriole and Posterior Cerebral Artery Remodeling and Reduced Cerebral Perfusion. Stroke, 2016, 47, .	1.0	0
71	Abstract TP455: Treatment With Trifluoromethoxyphenyl-3 (1propionylpiperidin-4-yl) Urea Improves Cognitive Functions and Endothelium Dependent Dilation in Penetrating Arterioles From Hypertensive Rats With Bilateral Common Carotid Stenosis. Stroke, 2016, 47, .	1.0	0