Katherine Maude Denton

List of Publications by Year in descending order

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132 papers

4,086 citations

94269 37 h-index 58 g-index

133 all docs

133 docs citations

times ranked

133

4000 citing authors

#	Article	IF	CITATIONS
1	Adjustment for body mass index changes inverse associations of HDL-cholesterol with blood pressure and hypertension to positive associations. Journal of Human Hypertension, 2022, 36, 570-579.	1.0	8
2	Renal Denervation in Combination With Angiotensin Receptor Blockade Prolongs Blood Pressure Trough During Hemorrhage. Hypertension, 2022, 79, 261-270.	1.3	2
3	Brief Early Life Angiotensin Converting Enzyme Inhibition Offers Reno-Protection in Sheep with a Solitary Functioning Kidney at 8 Months of Age. Journal of the American Society of Nephrology: JASN, 2022, , ASN.2021111534.	3.0	4
4	Kidney Angiotensin in Cardiovascular Disease: Formation and Drug Targeting. Pharmacological Reviews, 2022, 74, 462-505.	7.1	18
5	GPCRs (G-Protein–Coupled Receptors) as Microprocessors. Hypertension, 2021, 77, 432-434.	1.3	3
6	Connecting Generations of Scientists in the Council on Hypertension Through Harriet Dustan. Hypertension, 2021, 77, 296-307.	1.3	0
7	Considering Sex as a Biological Variable in Basic and Clinical Studies: An Endocrine Society Scientific Statement. Endocrine Reviews, 2021, 42, 219-258.	8.9	61
8	Increase in Bioavailability of Nitric Oxide After Renal Denervation Improves Kidney Function in Sheep With Hypertensive Kidney Disease. Hypertension, 2021, 77, 1299-1310.	1.3	7
9	In Aged Females, the Enhanced Pressor Response to Angiotensin II Is Attenuated By Estrogen Replacement via an Angiotensin Type 2 Receptor-Mediated Mechanism. Hypertension, 2021, 78, 128-137.	1.3	9
10	Blunted natriuretic response to saline loading in sheep with hypertensive kidney disease following radiofrequency catheter-based renal denervation. Scientific Reports, 2021, 11, 14795.	1.6	1
11	Renal Deafferentation Prevents Progression of Hypertension and Changes to Sympathetic Reflexes in a Rabbit Model of Chronic Kidney Disease. Hypertension, 2021, 78, 1310-1321.	1.3	2
12	Relaxin Attenuates Organ Fibrosis via an Angiotensin Type 2 Receptor Mechanism in Aged Hypertensive Female Rats. Kidney360, 2021, 2, 1781-1792.	0.9	7
13	Fetal growth and wellâ€being in a study of maternal hypertension in rabbits. Anatomical Record, 2020, 303, 2646-2656.	0.8	3
14	Physiology and Pathophysiology of Compensatory Adaptations of a Solitary Functioning Kidney. Frontiers in Physiology, 2020, 11, 725.	1.3	37
15	Differential sympathetic response to lesion-induced chronic kidney disease in rabbits. Kidney International, 2020, 98, 906-917.	2.6	3
16	Contribution of the Renal Nerves to Hypertension in a Rabbit Model of Chronic Kidney Disease. Hypertension, 2020, 76, 1470-1479.	1.3	8
17	Serelaxin and the AT ₂ Receptor Agonist CGP42112 Evoked a Similar, Nonadditive, Cardiac Antifibrotic Effect in High Salt-Fed Mice That Were Refractory to Candesartan Cilexetil. ACS Pharmacology and Translational Science, 2020, 3, 76-87.	2.5	15
18	The antiâ€fibrotic actions of relaxin are mediated through AT ₂ Râ€associated protein phosphatases via RXFP1â€AT ₂ R functional crosstalk in human cardiac myofibroblasts. FASEB Journal, 2020, 34, 8217-8233.	0.2	18

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19	Renal functional effects of the highly selective AT2R agonist, \hat{l}^2 -Pro7 Ang III, in normotensive rats. Clinical Science, 2020, 134, 871-884.	1.8	15
20	Insulin-regulated aminopeptidase deficiency impairs cardiovascular adaptations and placental development during pregnancy. Clinical Science, 2020, 134, 3213-3228.	1.8	5
21	"The more I learn, the more I realize how much I don't know.― The role of the renal nerves in hypertension. Hypertension, 2019, 74, 743-744.	1.3	1
22	Sustained Decrease in Blood Pressure and Reduced Anatomical and Functional Reinnervation of Renal Nerves in Hypertensive Sheep 30 Months After Catheter-Based Renal Denervation. Hypertension, 2019, 73, 718-727.	1.3	57
23	Renal Denervation Update From theÂlnternational Sympathetic NervousÂSystem Summit. Journal of the American College of Cardiology, 2019, 73, 3006-3017.	1.2	74
24	Chronic low alcohol intake during pregnancy programs sex-specific cardiovascular deficits in rats. Biology of Sex Differences, 2019, 10, 21.	1.8	11
25	Sex Differences in the Role of the Angiotensin Type 2 Receptor in the Regulation of Blood Pressure. , 2019, , 73-103.		4
26	AT1R-AT2R-RXFP1 Functional Crosstalk in Myofibroblasts: Impact on the Therapeutic Targeting of Renal and Cardiac Fibrosis. Journal of the American Society of Nephrology: JASN, 2019, 30, 2191-2207.	3.0	35
27	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. JCI Insight, 2019, 4, .	2.3	69
28	Sex, dietary salt and AT2R impact sodium transporters along the nephron. FASEB Journal, 2019, 33, 864.13.	0.2	0
29	Sex-specific differences in hypertension and associated cardiovascular disease. Nature Reviews Nephrology, 2018, 14, 185-201.	4.1	271
30	Renal Denervation. Hypertension, 2018, 72, 528-536.	1.3	24
31	Adenosine Receptors. Hypertension, 2018, 72, 283-284.	1.3	1
32	Role of the Sympathetic Nervous System and Its Modulation in Renal Hypertension. Frontiers in Medicine, 2018, 5, 82.	1.2	104
33	Perinatal Programming of Arterial Pressure. , 2018, , 135-158.		O
34	Antiâ€fibrotic actions of relaxin. British Journal of Pharmacology, 2017, 174, 962-976.	2.7	107
35	Effect of renal denervation on kidney function in patients with chronic kidney disease. International Journal of Cardiology, 2017, 232, 93-97.	0.8	56
36	Catheter-Based Renal Denervation Exacerbates Blood Pressure Fall DuringÂHemorrhage. Journal of the American College of Cardiology, 2017, 69, 951-964.	1.2	40

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37	Relaxin contributes to the regulation of arterial pressure in adult female mice. Clinical Science, 2017, 131, 2795-2805.	1.8	9
38	Anti-fibrotic Potential of AT2 Receptor Agonists. Frontiers in Pharmacology, 2017, 8, 564.	1.6	58
39	Editorial: Function of Renal Sympathetic Nerves. Frontiers in Physiology, 2017, 8, 642.	1.3	3
40	New insights on glomerular hyperfiltration: a Japanese autopsy study. JCI Insight, 2017, 2, .	2.3	57
41	Perinatal Programming of Arterial Pressure. , 2017, , 1-25.		O
42	" <i>You are what you drink!</i> Aise-Focus on "Rehydration with soft drink-like beverages exacerbates dehydration and worsens dehydration-associated renal injuryâ€. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R12-R13.	0.9	1
43	Sex- and age-related differences in arterial pressure and albuminuria in mice. Biology of Sex Differences, 2016, 7, 57.	1.8	41
44	Angiotensin AT2-receptor stimulation improves survival and neurological outcome after experimental stroke in mice. Journal of Molecular Medicine, 2016, 94, 957-966.	1.7	39
45	Placental Growth Factor. Hypertension, 2016, 67, 1114-1116.	1.3	O
46	Epochs in the depressor/pressor balance of the renin–angiotensin system. Clinical Science, 2016, 130, 761-771.	1.8	31
47	Renal Nitric Oxide Deficiency and Chronic Kidney Disease in Young Sheep Born with a Solitary Functioning Kidney. Scientific Reports, 2016, 6, 26777.	1.6	20
48	Chronic recurrent dehydration associated with periodic water intake exacerbates hypertension and promotes renal damage in male spontaneously hypertensive rats. Scientific Reports, 2016, 6, 33855.	1.6	19
49	Transcutaneous assessment of glomerular filtration rate in unanesthetized rats using a small animal imager: impact on arterial pressure, heart rate, and activity. Physiological Reports, 2016, 4, e12723.	0.7	4
50	Response to Letters Regarding Article, "Renal Dysfunction Is Associated With a Reduced Contribution of Nitric Oxide and Enhanced Vasoconstriction After a Congenital Renal Mass Reduction in Sheep― Circulation, 2015, 132, e195.	1.6	0
51	Accelerated age-related decline in renal and vascular function in female rats following early-life growth restriction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1153-R1161.	0.9	28
52	Sex Differences in AT2R Expression andÂAction. , 2015, , 125-130.		0
53	High-Dose Estradiol-Replacement Therapy Enhances the Renal Vascular Response to Angiotensin II via an AT ₂ -Receptor Dependent Mechanism. Advances in Pharmacological Sciences, 2015, 2015, 1-7.	3.7	10
54	Renal Dysfunction Is Associated With a Reduced Contribution of Nitric Oxide and Enhanced Vasoconstriction After a Congenital Renal Mass Reduction in Sheep. Circulation, 2015, 131, 280-288.	1.6	23

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55	Role of the kidney in the fetal programming of adult cardiovascular disease: an update. Current Opinion in Pharmacology, 2015, 21, 53-59.	1.7	15
56	Angiotensin Type 2 Receptor. Hypertension, 2015, 66, 273-274.	1.3	1
57	AT2R, Vascular Effects, and Blood Pressure. , 2015, , 49-55.		O
58	Angiotensin-Based Peptides asÂAT2RÂAgonists. , 2015, , 141-147.		2
59	Pressor responsiveness to angiotensin II in female mice is enhanced with age: role of the angiotensin type 2 receptor. Biology of Sex Differences, 2014, 5, 13.	1.8	30
60	Reduced sensitivity of the renal vasculature to angiotensin II in young rats: the role of the angiotensin type 2 receptor. Pediatric Research, 2014, 76, 448-452.	1.1	7
61	Using stimulation of the diving reflex in humans to teach integrative physiology. American Journal of Physiology - Advances in Physiology Education, 2014, 38, 355-365.	0.8	8
62	Transgenerational programming of fetal nephron deficits and sex-specific adult hypertension in rats. Reproduction, Fertility and Development, 2014, 26, 1032.	0.1	35
63	Compensatory responses to nephron deficiency: Adaptive or maladaptive?. Nephrology, 2014, 19, 119-128.	0.7	39
64	Angiotensin Type 2 Receptor Stimulation Increases Renal Function in Female, but Not Male, Spontaneously Hypertensive Rats. Hypertension, 2014, 64, 378-383.	1.3	49
65	Impaired ability to modulate glomerular filtration rate in aged female sheep following fetal uninephrectomy. Physiological Reports, 2014, 2, e00208.	0.7	6
66	Sex- and age-related differences in the chronic pressure-natriuresis relationship: role of the angiotensin type 2 receptor. American Journal of Physiology - Renal Physiology, 2014, 307, F901-F907.	1.3	55
67	Role of Inflammation and the Angiotensin Type 2 Receptor in the Regulation of Arterial Pressure During Pregnancy in Mice. Hypertension, 2014, 64, 626-631.	1.3	20
68	Loss of a kidney during fetal life: long-term consequences and lessons learned. American Journal of Physiology - Renal Physiology, 2014, 306, F791-F800.	1.3	50
69	Update on the Angiotensin AT2 Receptor. Current Hypertension Reports, 2013, 15, 25-30.	1.5	51
70	The "His and Hers―of the Renin-Angiotensin System. Current Hypertension Reports, 2013, 15, 71-79.	1.5	188
71	Unmasking the potential of the angiotensin <scp>AT</scp> ₂ receptor as a therapeutic target in hypertension in men and women: What we know and what we still need to find out. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 542-550.	0.9	35
72	Sex-Related Differences in Hypertension. Hypertension, 2013, 62, 674-677.	1.3	32

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7 3	Maternal Obesity. Hypertension, 2013, 62, 457-458.	1.3	8
74	Control of salt and volume retention cannot be ruled out as a mechanism underlying the blood pressure-lowering effect of renal denervation. Hypertension Research, 2013, 36, 1006-1007.	1.5	4
7 5	Improvement in Renal Hemodynamics following Combined Angiotensin II Infusion and AT1R Blockade in Aged Female Sheep following Fetal Unilateral Nephrectomy. PLoS ONE, 2013, 8, e68036.	1.1	13
76	The arterial depressor response to chronic low-dose angiotensin II infusion in female rats is estrogen dependent. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R159-R165.	0.9	60
77	Renal responses to furosemide are significantly attenuated in male sheep at 6 months of age following fetal uninephrectomy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R868-R875.	0.9	4
78	Sex Differences in the Pressor and Tubuloglomerular Feedback Response to Angiotensin II. Hypertension, 2012, 59, 129-135.	1.3	84
79	The angiotensin type 2 receptor weighs in on obesity: a promising therapeutic target?. Hypertension Research, 2012, 35, 582-584.	1.5	1
80	Long-Term Alteration in Maternal Blood Pressure and Renal Function After Pregnancy in Normal and Growth-Restricted Rats. Hypertension, 2012, 60, 206-213.	1.3	24
81	Sex-Specific Influence of Angiotensin Type 2 Receptor Stimulation on Renal Function. Hypertension, 2012, 59, 409-414.	1.3	95
82	In the arms of Morpheus. American Journal of Physiology - Renal Physiology, 2012, 302, F234-F235.	1.3	3
83	Sex differences in the renal vascular response to angiotensin <scp>II</scp> involves the <scp>M</scp> as receptor. Acta Physiologica, 2012, 206, 150-156.	1.8	42
84	Effects of tempol and candesartan on neural control of the kidney. Autonomic Neuroscience: Basic and Clinical, 2012, 168, 48-57.	1.4	3
85	Increased Cardiovascular and Renal Risk Is Associated with Low Nephron Endowment in Aged Females: An Ovine Model of Fetal Unilateral Nephrectomy. PLoS ONE, 2012, 7, e42400.	1.1	16
86	Blunted Sodium Excretion in Response to a Saline Load in 5 Year Old Female Sheep Following Fetal Uninephrectomy. PLoS ONE, 2012, 7, e47528.	1,1	14
87	Postnatal Ontogeny of Angiotensin Receptors and ACE2 in Male and Female Rats. Gender Medicine, 2012, 9, 21-32.	1.4	63
88	Gender Differences in Pressure-Natriuresis and Renal Autoregulation. Hypertension, 2011, 57, 275-282.	1.3	112
89	The renin–angiotensin system. Journal of Hypertension, 2011, 29, 1857-1858.	0.3	1
90	Fetal uninephrectomy in male sheep alters the systemic and renal responses to angiotensin II infusion and AT1R blockade. American Journal of Physiology - Renal Physiology, 2011, 301, F319-F326.	1.3	13

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91	Renal programming: cause for concern?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R791-R803.	0.9	117
92	Urine-concentrating defects exacerbate with age in male offspring with a low-nephron endowment. American Journal of Physiology - Renal Physiology, 2011, 301, F1168-F1176.	1.3	18
93	Induction of hyperglycemia in adult intrauterine growth-restricted rats: effects on renal function. American Journal of Physiology - Renal Physiology, 2011, 301, F288-F294.	1.3	14
94	Chronic maternal hypertension affects placental gene expression and differentiation in rabbits. Journal of Hypertension, 2010, 28, 959-968.	0.3	9
95	Prenatal Exposure to Alcohol Reduces Nephron Number and Raises Blood Pressure in Progeny. Journal of the American Society of Nephrology: JASN, 2010, 21, 1891-1902.	3.0	110
96	Reduced nephron endowment due to fetal uninephrectomy impairs renal sodium handling in male sheep. Clinical Science, 2010, 118, 669-680.	1.8	38
97	Chronic maternal hypertension characterized by renal dysfunction is associated with reduced placental blood flow during late gestation in rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1043-R1049.	0.9	10
98	High-salt diet reveals the hypertensive and renal effects of reduced nephron endowment. American Journal of Physiology - Renal Physiology, 2010, 298, F1384-F1392.	1.3	47
99	Glomerular surface area is normalized in mice born with a nephron deficit: no role for AT1 receptors. American Journal of Physiology - Renal Physiology, 2009, 296, F583-F589.	1.3	11
100	Developmental programming of a reduced nephron endowment: more than just a baby's birth weight. American Journal of Physiology - Renal Physiology, 2009, 296, F1-F9.	1.3	90
101	Ontogeny of Placental Structural Development and Expression of the Renin–Angiotensin System and 11β-HSD2 Genes in the Rabbit. Placenta, 2009, 30, 590-598.	0.7	27
102	Development of cardiovascular disease due to renal insufficiency in male sheep following fetal unilateral nephrectomy. Journal of Hypertension, 2009, 27, 386-396.	0.3	36
103	SEXâ€DIFFERENCES IN CIRCADIAN BLOOD PRESSURE VARIATIONS IN RESPONSE TO CHRONIC ANGIOTENSIN II INFUSION IN RATS. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 391-395.	0.9	19
104	Enhanced Angiotensin II Type 2 Receptor Mechanisms Mediate Decreases in Arterial Pressure Attributable to Chronic Low-Dose Angiotensin II in Female Rats. Hypertension, 2008, 52, 666-671.	1.3	143
105	Response to Can the Study of Female Rats Help Our Understanding of Women?. Hypertension, 2008, 52, .	1.3	0
106	Postnatal growth and the tracking of blood pressure. Journal of Hypertension, 2008, 26, 392-393.	0.3	3
107	Can adult cardiovascular disease be programmed in utero?. Journal of Hypertension, 2006, 24, 1245-1247.	0.3	4
108	Lack of contribution of P2X receptors to neurally mediated vasoconstriction in the rabbit kidney in vivo. Acta Physiologica, 2006, 186, 197-207.	1.8	13

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109	A developmental nephron deficit in rats is associated with increased susceptibility to a secondary renal injury due to advanced glycation end-products. Diabetologia, 2006, 49, 801-810.	2.9	62
110	Type 1 neuropeptide Y receptors and $\hat{l}\pm 1$ -adrenoceptors in the neural control of regional renal perfusion. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R331-R340.	0.9	12
111	Programming Hypertension—Animal Models. , 2006, , 103-120.		7
112	Paradoxical structural effects in the unilaterally denervated spontaneously hypertensive rat kidney. Journal of Hypertension, 2005, 23, 851-859.	0.3	12
113	Predominant postglomerular vascular resistance response to reflex renal sympathetic nerve activation during ANG II clamp in rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 287, R780-R786.	0.9	5
114	DIFFERENTIAL NEURAL CONTROL OF GLOMERULAR ULTRAFILTRATION. Clinical and Experimental Pharmacology and Physiology, 2004, 31, 380-386.	0.9	42
115	NEURAL CONTROL OF RENAL MEDULLARY PERFUSION. Clinical and Experimental Pharmacology and Physiology, 2004, 31, 387-396.	0.9	32
116	EFFECT OF ENDOTHELIN-1 ON REGIONAL KIDNEY BLOOD FLOW AND RENAL ARTERIOLE CALIBRE IN RABBITS. Clinical and Experimental Pharmacology and Physiology, 2004, 31, 494-501.	0.9	32
117	Prostaglandins and nitric oxide in regional kidney blood flow responses to renal nerve stimulation. Pflugers Archiv European Journal of Physiology, 2004, 449, 143-149.	1.3	14
118	Effects of early carvedilol treatment and withdrawal on the development of hypertension and renal vascular narrowing. American Journal of Hypertension, 2004, 17, 161-166.	1.0	6
119	Mechanisms underlying the differential control of blood flow in the renal medulla and cortex. Journal of Hypertension, 2004, 22, 1439-1451.	0.3	112
120	Nitric oxide in responses of regional kidney perfusion to renal nerve stimulation and renal ischaemia. Pflugers Archiv European Journal of Physiology, 2003, 447, 205-213.	1.3	45
121	Adult Rabbit Offspring of Mothers With Secondary Hypertension Have Increased Blood Pressure. Hypertension, 2003, 41, 634-639.	1.3	36
122	Preglomerular and Postglomerular Resistance Responses to Different Levels of Sympathetic Activation by Hypoxia. Journal of the American Society of Nephrology: JASN, 2002, 13, 27-34.	3.0	50
123	Differential control of intrarenal blood flow during reflex increases in sympathetic nerve activity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 280, R62-R68.	0.9	52
124	Effects of activation of vasopressin-V1-receptors on regional kidney blood flow and glomerular arteriole diameters. Journal of Hypertension, 2001, 19, 649-657.	0.3	22
125	Glomerular hypertension and hyperfiltration in adrenocorticotrophin-induced hypertension in rats: the role of nitric oxide. Journal of Hypertension, 2001, 19, 327-334.	0.3	12
126	Chronic angiotensin converting enzyme inhibition enhances renal vascular responsiveness to acetylcholine in anaesthetized rabbits. Journal of Hypertension, 2001, 19, 1497-1503.	0.3	8

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127	Metalloendopeptidases EC 3.4.24.15 and EC 3.4.24.16 And Bradykinin B2 Receptors Do Not Play Important Roles In Renal Wrap Hypertension In Rabbits. Clinical and Experimental Pharmacology and Physiology, 2001, 28, 836-841.	0.9	6
128	Diversity of responses of renal cortical and medullary blood flow to vasoconstrictors in conscious rabbits. Acta Physiologica Scandinavica, 2000, 169, 297-308.	2.3	53
129	Sex differences in pressure diuresis/natriuresis in rabbits. Acta Physiologica Scandinavica, 2000, 169, 309-316.	2.3	23
130	Effects of angiotensin II on regional afferent and efferent arteriole dimensions and the glomerular pole. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R629-R638.	0.9	86
131	Glomerular ultrafiltration in rabbits with superficial glomeruli. Pflugers Archiv European Journal of Physiology, 1991, 419, 235-242.	1.3	17
132	Renal Blood Flow and Glomerular Filtration Rate in Renal Wrap Hypertension in Rabbits. Journal of Hypertension, 1983, 1, 351-355.	0.3	23