Katherine Maude Denton

List of Publications by Year
in descending order

132	4,086	94269 37	138251 58
papers	citations	h-index	g-index

133	133	133	4000
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sex-specific differences in hypertension and associated cardiovascular disease. Nature Reviews Nephrology, 2018, 14, 185-201.	4.1	271
2	The â€œHis and Hersâ€•of the Renin-Angiotensin System. Current Hypertension Reports, 2013, 15, 71-79.	1.5	188
3	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
4	Renal programming: cause for concern?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R791-R803.	0.9	117
5	Mechanisms underlying the differential control of blood flow in the renal medulla and cortex. Journal of Hypertension, 2004, 22, 1439-1451.	0.3	112
6	Gender Differences in Pressure-Natriuresis and Renal Autoregulation. Hypertension, 2011, 57, 275-282.	1.3	112
7	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
8	Antiâ€fibrotic actions of relaxin. British Journal of Pharmacology, 2017, 174, 962-976.	2.7	107
9	Role of the Sympathetic Nervous System and Its Modulation in Renal Hypertension. Frontiers in Medicine, 2018, 5, 82.	1.2	104
10	Sex-Specific Influence of Angiotensin Type 2 Receptor Stimulation on Renal Function. Hypertension, 2012, 59, 409-414.	1.3	95
11	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
12	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
13	Sex Differences in the Pressor and Tubuloglomerular Feedback Response to Angiotensin II. Hypertension, 2012, 59, 129-135.	1.3	84
14	Renal Denervation Update From theÂInternational Sympathetic NervousÂSystem Summit. Journal of the American College of Cardiology, 2019, 73, 3006-3017.	1.2	74
15	mTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans. JCI Insight, 2019, 4, .	2.3	69
16	Postnatal Ontogeny of Angiotensin Receptors and ACE2 in Male and Female Rats. Gender Medicine, 2012, 9, 21-32.	1.4	63
17	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
18	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

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19	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
20	Anti-fibrotic Potential of AT2 Receptor Agonists. Frontiers in Pharmacology, 2017, 8, 564.	1.6	58
21	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
22	New insights on glomerular hyperfiltration: a Japanese autopsy study. JCI Insight, 2017, 2, .	2.3	57
23	Effect of renal denervation on kidney function in patients with chronic kidney disease. International Journal of Cardiology, 2017, 232, 93-97.	0.8	56
24	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
25	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
26	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
27	Update on the Angiotensin AT2 Receptor. Current Hypertension Reports, 2013, 15, 25-30.	1.5	51
28	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
29	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
30	Angiotensin Type 2 Receptor Stimulation Increases Renal Function in Female, but Not Male, Spontaneously Hypertensive Rats. Hypertension, 2014, 64, 378-383.	1.3	49
31	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
32	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
33	DIFFERENTIAL NEURAL CONTROL OF GLOMERULAR ULTRAFILTRATION. Clinical and Experimental Pharmacology and Physiology, 2004, 31, 380-386.	0.9	42
34	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
35	Sex- and age-related differences in arterial pressure and albuminuria in mice. Biology of Sex Differences, 2016, 7, 57.	1.8	41
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	Compensatory responses to nephron deficiency: Adaptive or maladaptive?. Nephrology, 2014, 19, 119-128.	0.7	39
38	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
39	Reduced nephron endowment due to fetal uninephrectomy impairs renal sodium handling in male sheep. Clinical Science, 2010, 118, 669-680.	1.8	38
40	Physiology and Pathophysiology of Compensatory Adaptations of a Solitary Functioning Kidney. Frontiers in Physiology, 2020, 11, 725.	1.3	37
41	Adult Rabbit Offspring of Mothers With Secondary Hypertension Have Increased Blood Pressure. Hypertension, 2003, 41, 634-639.	1.3	36
42	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
43	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
44	Transgenerational programming of fetal nephron deficits and sex-specific adult hypertension in rats. Reproduction, Fertility and Development, 2014, 26, 1032.	0.1	35
45	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
46	NEURAL CONTROL OF RENAL MEDULLARY PERFUSION. Clinical and Experimental Pharmacology and Physiology, 2004, 31, 387-396.	0.9	32
47	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
48	Sex-Related Differences in Hypertension. Hypertension, 2013, 62, 674-677.	1.3	32
49	Epochs in the depressor/pressor balance of the reninâ€“angiotensin system. Clinical Science, 2016, 130, 761-771.	1.8	31
50	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
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	Ontogeny of Placental Structural Development and Expression of the Reninâ€“Angiotensin System and 11Î²-HSD2 Genes in the Rabbit. Placenta, 2009, 30, 590-598.	0.7	27
53	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
54	Renal Denervation. Hypertension, 2018, 72, 528-536.	1.3	24

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55	Renal Blood Flow and Glomerular Filtration Rate in Renal Wrap Hypertension in Rabbits. Journal of Hypertension, 1983, 1, 351-355.	0.3	23
56	Sex differences in pressure diuresis/natriuresis in rabbits. Acta Physiologica Scandinavica, 2000, 169, 309-316.	2.3	23
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	The antiâ€fibrotic actions of relaxin are mediated through AT₂Râ€associated protein phosphatases via RXFP1â€AT₂R functional crosstalk in human cardiac myofibroblasts. FASEB Journal, 2020, 34, 8217-8233.	0.2	18
65	Kidney Angiotensin in Cardiovascular Disease: Formation and Drug Targeting. Pharmacological Reviews, 2022, 74, 462-505.	7.1	18
66	Glomerular ultrafiltration in rabbits with superficial glomeruli. Pflugers Archiv European Journal of Physiology, 1991, 419, 235-242.	1.3	17
67	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
68	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
69	Serelaxin and the AT₂ 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
70	Renal functional effects of the highly selective AT2R agonist, Î²-Pro7 Ang III, in normotensive rats. Clinical Science, 2020, 134, 871-884.	1.8	15
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	Paradoxical structural effects in the unilaterally denervated spontaneously hypertensive rat kidney. Journal of Hypertension, 2005, 23, 851-859.	0.3	12
79	Type 1 neuropeptide Y receptors and Î±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
80	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
81	Chronic low alcohol intake during pregnancy programs sex-specific cardiovascular deficits in rats. Biology of Sex Differences, 2019, 10, 21.	1.8	11
82	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
83	High-Dose Estradiol-Replacement Therapy Enhances the Renal Vascular Response to Angiotensin II via an AT₂-Receptor Dependent Mechanism. Advances in Pharmacological Sciences, 2015, 2015, 1-7.	3.7	10
84	Chronic maternal hypertension affects placental gene expression and differentiation in rabbits. Journal of Hypertension, 2010, 28, 959-968.	0.3	9
85	Relaxin contributes to the regulation of arterial pressure in adult female mice. Clinical Science, 2017, 131, 2795-2805.	1.8	9
86	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
87	Chronic angiotensin converting enzyme inhibition enhances renal vascular responsiveness to acetylcholine in anaesthetized rabbits. Journal of Hypertension, 2001, 19, 1497-1503.	0.3	8
88	Maternal Obesity. Hypertension, 2013, 62, 457-458.	1.3	8
89	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
90	Contribution of the Renal Nerves to Hypertension in a Rabbit Model of Chronic Kidney Disease. Hypertension, 2020, 76, 1470-1479.	1.3	8

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91	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
92	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
93	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
94	Relaxin Attenuates Organ Fibrosis via an Angiotensin Type 2 Receptor Mechanism in Aged Hypertensive Female Rats. Kidney360, 2021, 2, 1781-1792.	0.9	7
95	Programming Hypertensionâ€"Animal Models. , 2006, , 103-120.		7
96	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
97	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
98	Impaired ability to modulate glomerular filtration rate in aged female sheep following fetal uninephrectomy. Physiological Reports, 2014, 2, e00208.	0.7	6
99	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
100	Insulin-regulated aminopeptidase deficiency impairs cardiovascular adaptations and placental development during pregnancy. Clinical Science, 2020, 134, 3213-3228.	1.8	5
101	Can adult cardiovascular disease be programmed in utero?. Journal of Hypertension, 2006, 24, 1245-1247.	0.3	4
102	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
103	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
104	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
105	Sex Differences in the Role of the Angiotensin Type 2 Receptor in the Regulation of Blood Pressure. , 2019, , 73-103.		4
106	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
107	Postnatal growth and the tracking of blood pressure. Journal of Hypertension, 2008, 26, 392-393.	0.3	3
108	In the arms of Morpheus. American Journal of Physiology - Renal Physiology, 2012, 302, F234-F235.	1.3	3

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109	Effects of tempol and candesartan on neural control of the kidney. Autonomic Neuroscience: Basic and Clinical, 2012, 168, 48-57.	1.4	3
110	Editorial: Function of Renal Sympathetic Nerves. Frontiers in Physiology, 2017, 8, 642.	1.3	3
111	Fetal growth and wellâ€being in a study of maternal hypertension in rabbits. Anatomical Record, 2020, 303, 2646-2656.	0.8	3
112	Differential sympathetic response to lesion-induced chronic kidney disease in rabbits. Kidney International, 2020, 98, 906-917.	2.6	3
113	GPCRs (G-Proteinâ€“Coupled Receptors) as Microprocessors. Hypertension, 2021, 77, 432-434.	1.3	3
114	Angiotensin-Based Peptides asÂAT2RÂAgonists. , 2015, , 141-147.		2
115	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
116	Renal Denervation in Combination With Angiotensin Receptor Blockade Prolongs Blood Pressure Trough During Hemorrhage. Hypertension, 2022, 79, 261-270.	1.3	2
117	The reninâ€“angiotensin system. Journal of Hypertension, 2011, 29, 1857-1858.	0.3	1
118	The angiotensin type 2 receptor weighs in on obesity: a promising therapeutic target?. Hypertension Research, 2012, 35, 582-584.	1.5	1
119	Angiotensin Type 2 Receptor. Hypertension, 2015, 66, 273-274.	1.3	1
120	â€œYou are what you drink!â€•Focus on â€œRehydration 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
121	Adenosine Receptors. Hypertension, 2018, 72, 283-284.	1.3	1
122	â€œThe more I learn, the more I realize how much I donâ€™t know.â€• The role of the renal nerves in hypertension. Hypertension, 2019, 74, 743-744.	1.3	1
123	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
124	Response to Can the Study of Female Rats Help Our Understanding of Women?. Hypertension, 2008, 52, .	1.3	0
125	Response to Letters Regarding Article, â€œRenal Dysfunction Is Associated With a Reduced Contribution of Nitric Oxide and Enhanced Vasoconstriction After a Congenital Renal Mass Reduction in Sheepâ€• Circulation, 2015, 132, e195.	1.6	0
126	Sex Differences in AT2R Expression andÂAction. , 2015, , 125-130.		0

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127	AT2R, Vascular Effects, and Blood Pressure. , 2015, , 49-55.		0
128	Placental Growth Factor. Hypertension, 2016, 67, 1114-1116.	1.3	0
129	Connecting Generations of Scientists in the Council on Hypertension Through Harriet Dustan. Hypertension, 2021, 77, 296-307.	1.3	0
130	Perinatal Programming of Arterial Pressure. , 2017, , 1-25.		0
131	Perinatal Programming of Arterial Pressure. , 2018, , 135-158.		0
132	Sex, dietary salt and AT2R impact sodium transporters along the nephron. FASEB Journal, 2019, 33, 864.13.	0.2	0