Matthew A Bailey

List of Publications by Year
in descending order

109	3,734	94269	149479
papers	citations	37 h-index	56 g-index

118	118	118	4172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantification of human urinary exosomes by nanoparticle tracking analysis. Journal of Physiology, 2013, 591, 5833-5842.	1.3	176
2	Maxi-K channels contribute to urinary potassium excretion in the ROMK-deficient mouse model of Type II Bartter's syndrome and in adaptation to a high-K diet. Kidney International, 2006, 70, 51-59.	2.6	161
3	Urinary exosomes: A reservoir for biomarker discovery and potential mediators of intrarenal signalling. Proteomics, 2013, 13, 1572-1580.	1.3	150
4	The B1-subunit of the H+ ATPase is required for maximal urinary acidification. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13616-13621.	3.3	126
5	Exosomal transmission of functional aquaporin 2 in kidney cortical collecting duct cells. Journal of Physiology, 2011, 589, 6119-6127.	1.3	123
6	Pressure natriuresis and the renal control of arterial blood pressure. Journal of Physiology, 2014, 592, 3955-3967.	1.3	121
7	Comprehensive microRNA profiling in acetaminophen toxicity identifies novel circulating biomarkers for human liver and kidney injury. Scientific Reports, 2015, 5, 15501.	1.6	114
8	Hyperkalemia: pathophysiology, risk factors and consequences. Nephrology Dialysis Transplantation, 2019, 34, iii2-iii11.	0.4	102
9	Hypertension, Kidney, and Transgenics: A Fresh Perspective. Physiological Reviews, 2006, 86, 709-746.	13.1	89
10	Purinergic signalling in the kidney in health and disease. Purinergic Signalling, 2014, 10, 71-101.	1.1	84
11	Axial distribution and characterization of basolateral P2Y receptors along the rat renal tubule. Kidney International, 2000, 58, 1893-1901.	2.6	78
12	Col4a1 mutation in mice causes defects in vascular function and low blood pressure associated with reduced red blood cell volume. Human Molecular Genetics, 2010, 19, 1119-1128.	1.4	75
13	Purinergic signaling in kidney disease. Kidney International, 2017, 91, 315-323.	2.6	72
14	Mineralocorticoid and Glucocorticoid Receptors Stimulate Epithelial Sodium Channel Activity in a Mouse Model of Cushing Syndrome. Hypertension, 2009, 54, 890-896.	1.3	66
15	Hyperglycemia-induced Renal P2X7 Receptor Activation Enhances Diabetes-related Injury. EBioMedicine, 2017, 19, 73-83.	2.7	64
16	Glucocorticoids Induce Nondipping Blood Pressure by Activating the Thiazide-Sensitive Cotransporter. Hypertension, 2016, 67, 1029-1037.	1.3	61
17	Conditional Deletion of Hsd11b2 in the Brain Causes Salt Appetite and Hypertension. Circulation, 2016, 133, 1360-1370.	1.6	60
18	A Switch in the Mechanism of Hypertension in the Syndrome of Apparent Mineralocorticoid Excess. Journal of the American Society of Nephrology: JASN, 2008, 19, 47-58.	3.0	58

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19	Glucocorticoids and renal Na⁺ transport: implications for hypertension and salt sensitivity. Journal of Physiology, 2014, 592, 1731-1744.	1.3	58
20	P2 receptors in the kidney. Journal of the Autonomic Nervous System, 2000, 81, 264-270.	1.9	57
21	Foot-and-Mouth Disease Virus 2C Is a Hexameric AAA+ Protein with a Coordinated ATP Hydrolysis Mechanism. Journal of Biological Chemistry, 2010, 285, 24347-24359.	1.6	57
22	Purinergic Signaling Along the Renal Tubule: The Current State of Play. Physiology, 2003, 18, 237-241.	1.6	56
23	Acute inhibition of NCC does not activate distal electrogenic Na⁺reabsorption or kaliuresis. American Journal of Physiology - Renal Physiology, 2014, 306, F457-F467.	1.3	56
24	In vivo stimulation of apical P2 receptors in collecting ducts: evidence for inhibition of sodium reabsorption. American Journal of Physiology - Renal Physiology, 2005, 288, F1243-F1248.	1.3	54
25	Inhibition of bicarbonate reabsorption in the rat proximal tubule by activation of luminal P2Y1 receptors. American Journal of Physiology - Renal Physiology, 2004, 287, F789-F796.	1.3	49
26	P2Y Receptors Present in the Native and Isolated Rat Glomerulus. Nephron Physiology, 2004, 96, p79-p90.	1.5	49
27	Inhibition of the purinergic P2X7 receptor improves renal perfusion in angiotensin-II-infused rats. Kidney International, 2015, 88, 1079-1087.	2.6	48
28	Vasopressin Regulates Extracellular Vesicle Uptake by Kidney Collecting Duct Cells. Journal of the American Society of Nephrology: JASN, 2016, 27, 3345-3355.	3.0	48
29	The impact of excessive salt intake on human health. Nature Reviews Nephrology, 2022, 18, 321-335.	4.1	46
30	Renal P2 receptors and hypertension. Acta Physiologica, 2015, 213, 232-241.	1.8	45
31	Glucocorticoids and 11Î²-hydroxysteroid dehydrogenases: mechanisms for hypertension. Current Opinion in Pharmacology, 2015, 21, 105-114.	1.7	43
32	Renal extracellular vesicles: from physiology to clinical application. Journal of Physiology, 2016, 594, 5735-5748.	1.3	43
33	Role of luminal anion and pH in distal tubule potassium secretion. American Journal of Physiology - Renal Physiology, 2003, 284, F381-F388.	1.3	42
34	NHE2-mediated bicarbonate reabsorption in the distal tubule of NHE3 null mice. Journal of Physiology, 2004, 561, 765-775.	1.3	41
35	Hsd11b2 Haploinsufficiency in Mice Causes Salt Sensitivity of Blood Pressure. Hypertension, 2011, 57, 515-520.	1.3	41
36	Hyperglycemia and Renin-Dependent Hypertension Synergize to Model Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2012, 23, 405-411.	3.0	40

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37	Evidence for Basolateral P2Y6 Receptors along the Rat Proximal Tubule. Journal of the American Society of Nephrology: JASN, 2001, 12, 1640-1647.	3.0	40
38	Techniques for the in vivo assessment of cardioâ€renal function in zebrafish (Danio rerio) larvae. Journal of Physiology, 2012, 590, 1803-1809.	1.3	38
39	Retro-Orbital Blood Acquisition Facilitates Circulating microRNA Measurement in Zebrafish with Paracetamol Hepatotoxicity. Zebrafish, 2014, 11, 219-226.	0.5	37
40	Prevalence and antimicrobial resistance of Campylobacterfrom antibiotic-free broilers during organic and conventional processing. Poultry Science, 2019, 98, 1447-1454.	1.5	35
41	ER stress and basement membrane defects combine to cause glomerular and tubular renal disease resulting from Col4a1 mutations in mice. DMM Disease Models and Mechanisms, 2016, 9, 165-176.	1.2	34
42	11Î²-Hydroxysteroid Dehydrogenases and Hypertension in the Metabolic Syndrome. Current Hypertension Reports, 2017, 19, 100.	1.5	34
43	Effect of P2X4 and P2X7 receptor antagonism on the pressure diuresis relationship in rats. Frontiers in Physiology, 2013, 4, 305.	1.3	33
44	Fetal brain 11Î²-hydroxysteroid dehydrogenase type 2 selectively determines programming of adult depressive-like behaviors and cognitive function, but not anxiety behaviors in male mice. Psychoneuroendocrinology, 2015, 59, 59-70.	1.3	32
45	A novel role for myeloid endothelin-B receptors in hypertension. European Heart Journal, 2019, 40, 768-784.	1.0	31
46	Endogenous Activation of Glucagon-Like Peptide-1 Receptor Contributes to Blood Pressure Control. Hypertension, 2020, 76, 839-848.	1.3	31
47	Effects of extracellular nucleotides on renal tubular solute transport. Purinergic Signalling, 2009, 5, 473-480.	1.1	30
48	Inhibition of heme oxygenase decreases sodium and fluid absorption in the loop of Henle. American Journal of Physiology - Renal Physiology, 2003, 285, F484-F490.	1.3	29
49	Hypertrophy in the Distal Convoluted Tubule of an 11Î²-Hydroxysteroid Dehydrogenase Type 2 Knockout Model. Journal of the American Society of Nephrology: JASN, 2015, 26, 1537-1548.	3.0	27
50	Failure to Downregulate the Epithelial Sodium Channel Causes Salt Sensitivity in Hsd11b2 Heterozygote Mice. Hypertension, 2012, 60, 684-690.	1.3	26
51	Mineralocorticoid Excess or Glucocorticoid Insufficiency. Hypertension, 2015, 66, 667-673.	1.3	25
52	In silico structure-function analysis of pathological variation in the HSD11B2 gene sequence. Physiological Genomics, 2010, 42, 319-330.	1.0	24
53	Activation of Thiazide-Sensitive Co-Transport by Angiotensin II in the cyp1a1-Ren2 Hypertensive Rat. PLoS ONE, 2012, 7, e36311.	1.1	24
54	Glucocorticoid receptor activation stimulates the sodium-chloride cotransporter and influences the diurnal rhythm of its phosphorylation. American Journal of Physiology - Renal Physiology, 2019, 317, F1536-F1548.	1.3	24

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55	Development of a highly sensitive ELISA for aldosterone in mouse urine: Validation in physiological and pathophysiological states of aldosterone excess and depletion. Steroids, 2009, 74, 456-462.	0.8	23
56	Physiological and pathophysiological applications of sensitive ELISA methods for urinary deoxycorticosterone and corticosterone in rodents. Steroids, 2009, 74, 938-944.	0.8	23
57	Renal and Blood Pressure Response to a High-Salt Diet in Mice With Reduced Global Expression of the Glucocorticoid Receptor. Frontiers in Physiology, 2018, 9, 848.	1.3	22
58	Effects of Changes in Dietary Intake of Sodium and Potassium and of Metabolic Acidosis on 11Î²-Hydroxysteroid Dehydrogenase Activities in Rat Kidney. Nephron Experimental Nephrology, 2000, 8, 44-51.	2.4	21
59	Transcriptional and physiological responses to chronic ACTH treatment by the mouse kidney. Physiological Genomics, 2010, 40, 158-166.	1.0	21
60	Dexamethasone and insulin activate serum and glucocorticoid-inducible kinase 1 (SGK1) via different molecular mechanisms in cortical collecting duct cells. Physiological Reports, 2016, 4, e12792.	0.7	21
61	Angiotensin-converting Enzyme Is a Modifier of Hypertensive End Organ Damage. Journal of Biological Chemistry, 2009, 284, 15564-15572.	1.6	20
62	Activation of the Sympathetic Nervous System Promotes Blood Pressure Salt-Sensitivity in C57BL6/J Mice. Hypertension, 2021, 77, 158-168.	1.3	19
63	Role of Endothelin Receptors for Renal Protection and Survival in Hypertension. Hypertension, 2006, 48, 834-837.	1.3	18
64	RAPID COMMUNICATIONIn vivo inhibition of renal 11Î²-hydroxysteroid dehydrogenase in the rat stimulates collecting duct sodium reabsorption. Clinical Science, 2001, 101, 195-198.	1.8	17
65	ETA receptor-mediated Ca2+ signaling in thin descending limbs of Henle's loop: Impairment in genetic hypertension. Kidney International, 2003, 63, 1276-1284.	2.6	16
66	Circulating argonaute-bound microRNA-126 reports vascular dysfunction and treatment response in acute and chronic kidney disease. IScience, 2021, 24, 101937.	1.9	16
67	Upregulation of H+-ATPase in the distal nephron during potassium depletion: structural and functional evidence. American Journal of Physiology - Renal Physiology, 1998, 275, F878-F884.	1.3	15
68	Vascular and inflammatory actions of P2X receptors in renal injury. Autonomic Neuroscience: Basic and Clinical, 2015, 191, 135-140.	1.4	15
69	Endothelin-1 Mediates the Systemic and Renal Hemodynamic Effects of GPR81 Activation. Hypertension, 2020, 75, 1213-1222.	1.3	15
70	A urine-concentrating defect in 11Î²-hydroxysteroid dehydrogenase type 2 null mice. American Journal of Physiology - Renal Physiology, 2012, 303, F494-F502.	1.3	14
71	11Î²-HSD2 SUMOylation Modulates Cortisol-Induced Mineralocorticoid Receptor Nuclear Translocation Independently of Effects on Transactivation. Endocrinology, 2017, 158, 4047-4063.	1.4	14
72	Regulation of K+ Excretion. , 2013, , 1659-1715.		13

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73	Prevalence, Persistence, and Antimicrobial Resistance ofCampylobacterspp. from Eggs and Laying Hens Housed in Five Commercial Housing Systems. Foodborne Pathogens and Disease, 2018, 15, 506-516.	0.8	13
74	The influence of cardiovascular and antiinflammatory drugs on thiazide-induced hemodynamic and saluretic effects. European Journal of Clinical Pharmacology, 2006, 62, 885-892.	0.8	11
75	Refining the Mouse Subtotal Nephrectomy in Male 129S2/SV Mice for Consistent Modeling of Progressive Kidney Disease With Renal Inflammation and Cardiac Dysfunction. Frontiers in Physiology, 2019, 10, 1365.	1.3	11
76	Impaired pressure natriuresis and nonâ€dipping blood pressure in rats with early type 1 diabetes mellitus. Journal of Physiology, 2019, 597, 767-780.	1.3	11
77	Transfer of hepatocellular microRNA regulates cytochrome P450 2E1 in renal tubular cells. EBioMedicine, 2020, 62, 103092.	2.7	11
78	Purinergic signalling in the kidney: In physiology and disease. Biochemical Pharmacology, 2021, 187, 114389.	2.0	11
79	Trichostatin <scp>A</scp> blocks aldosteroneâ€induced Na⁺ transport and control of serumâ€and glucocorticoidâ€inducible kinase 1 in cortical collecting duct cells. British Journal of Pharmacology, 2019, 176, 4708-4719.	2.7	10
80	Biological Context Linking Hypertension and Higher Risk for COVID-19 Severity. Frontiers in Physiology, 2020, 11, 599729.	1.3	9
81	The renal and blood pressure response to low sodium diet in P2X4 receptor knockout mice. Physiological Reports, 2018, 6, e13899.	0.7	8
82	Urinary Extracellular Vesicle Protein Profiling and Endogenous Lithium Clearance Support Excessive Renal Sodium Wasting and Water Reabsorption inÂThiazide-Induced Hyponatremia. Kidney International Reports, 2019, 4, 139-147.	0.4	8
83	Deletion of the myeloid endothelin-B receptor confers long-term protection from angiotensin II-mediated kidney, eye and vessel injury. Kidney International, 2020, 98, 1193-1209.	2.6	8
84	Nondipping Blood Pressure: Predictive or Reactive Failure of Renal Sodium Handling?. Physiology, 2021, 36, 21-34.	1.6	8
85	In vivo inhibition of renal 11beta-hydroxysteroid dehydrogenase in the rat stimulates collecting duct sodium reabsorption. Clinical Science, 2001, 101, 195-8.	1.8	8
86	Quantitative analysis of RU38486 (mifepristone) by HPLC triple quadrupole mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 497-501.	1.2	7
87	P2X receptors and kidney function. Environmental Sciences Europe, 2012, 1, 503-511.	2.6	7
88	First-in-Man Demonstration of Direct Endothelin-Mediated Natriuresis and Diuresis. Hypertension, 2017, 70, 192-200.	1.3	7
89	Transcription controls growth, cell kinetics and cholesterol supply to sustain ACTH responses. Endocrine Connections, 2017, 6, 446-457.	0.8	7
90	Thermal Inactivation of Shiga Toxinâ€“Producing Escherichia coli in Ground Beef with Varying Fat Content. Journal of Food Protection, 2018, 81, 986-992.	0.8	7

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91	An anatomically unbiased approach for analysis of renal BOLD magnetic resonance images. American Journal of Physiology - Renal Physiology, 2013, 305, F845-F852.	1.3	6
92	ISN Forefronts Symposium 2015: TheÂEvolution of Hypertensionâ€“Old Genes, NewÂConcepts. Kidney International Reports, 2016, 1, 197-203.	0.4	6
93	Extracellular Nucleotides and Renal Function. , 2013, , 511-537.		5
94	Glucocorticoids and Mineralocorticoids. , 0, , 1-37.		4
95	Extracellular Nucleotides and Renal Function. , 2008, , 425-442.		3
96	Sodium homeostasis is preserved in a global 11Î²â€hydroxysteroid dehydrogenase type 1 knockout mouse model. Experimental Physiology, 2015, 100, 1362-1378.	0.9	3
97	Exosomes in nephrology. , 2020, , 257-283.		3
98	The natriuretic effect of glibenclamide: evidence for a non-luminal site of action. Pflugers Archiv European Journal of Physiology, 2002, 444, 777-784.	1.3	2
99	The acute pressure natriuresis response is suppressed by selective ETA receptor blockade. Clinical Science, 2021, , .	1.8	2
100	NOTE ON AMERICAN GOOSEBERRY MILDEW. Annals of Applied Biology, 1915, 2, 162-165.	1.3	0
101	Purinergic (P2) Receptors in the Kidney. Current Topics in Membranes, 2003, 54, 369-394.	0.5	0
102	Comparison of processing parameters in small and very small beef processing plants and their impact on Escherichia coli prevalence. LWT - Food Science and Technology, 2018, 95, 92-98.	2.5	0
103	Saltâ€sensitive hypertension and the immune system. Experimental Physiology, 2020, 105, 767-768.	0.9	0
104	Salbutamol and salt-sensitive hypertension. Kidney International, 2021, 100, 272-275.	2.6	0
105	Abnormal regulation of NCC in glucocorticoid receptor haploinsufficient mice. FASEB Journal, 2013, 27, 911.11.	0.2	0
106	Mechanisms of Saltâ€Sensitive Hypertension in a Mouse Model of ACTHâ€Dependent Cushing Syndrome. FASEB Journal, 2019, 33, .	0.2	0
107	The Role of the Endothelin System in the Progression of Acute Kidney Injury to Chronic Kidney Disease. FASEB Journal, 2019, 33, 748.12.	0.2	0
108	Corticosteroid Regulation of ENaCâ€Mediated Na + Transport in a Cellular Model of the Cortical Collecting Duct. FASEB Journal, 2019, 33, .	0.2	0

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109	High Sodium Diet in 11Î² Hydroxysteroid Dehydrogenase Type 2 CNS Knockout Mice Induces a Proinflammatory Phenotype of Perivascular Adipose Tissue and Alterations in Arterial Reactivity. FASEB Journal, 2019, 33, 866.8.	0.2	0