

Matthew A Bailey

List of Publications by Year in descending order

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109
papers

3,734
citations

94269

37
h-index

149479

56
g-index

118
all docs

118
docs citations

118
times ranked

4172
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of excessive salt intake on human health. <i>Nature Reviews Nephrology</i> , 2022, 18, 321-335.	4.1	46
2	Activation of the Sympathetic Nervous System Promotes Blood Pressure Salt-Sensitivity in C57BL6/J Mice. <i>Hypertension</i> , 2021, 77, 158-168.	1.3	19
3	Nondipping Blood Pressure: Predictive or Reactive Failure of Renal Sodium Handling?. <i>Physiology</i> , 2021, 36, 21-34.	1.6	8
4	Circulating argonaute-bound microRNA-126 reports vascular dysfunction and treatment response in acute and chronic kidney disease. <i>Science</i> , 2021, 24, 101937.	1.9	16
5	Purinergic signalling in the kidney: In physiology and disease. <i>Biochemical Pharmacology</i> , 2021, 187, 114389.	2.0	11
6	Salbutamol and salt-sensitive hypertension. <i>Kidney International</i> , 2021, 100, 272-275.	2.6	0
7	The acute pressure natriuresis response is suppressed by selective ETA receptor blockade. <i>Clinical Science</i> , 2021, , .	1.8	2
8	Exosomes in nephrology. , 2020, , 257-283.		3
9	Biological Context Linking Hypertension and Higher Risk for COVID-19 Severity. <i>Frontiers in Physiology</i> , 2020, 11, 599729.	1.3	9
10	Transfer of hepatocellular microRNA regulates cytochrome P450 2E1 in renal tubular cells. <i>EBioMedicine</i> , 2020, 62, 103092.	2.7	11
11	Endogenous Activation of Glucagon-Like Peptide-1 Receptor Contributes to Blood Pressure Control. <i>Hypertension</i> , 2020, 76, 839-848.	1.3	31
12	Deletion of the myeloid endothelin-B receptor confers long-term protection from angiotensin II-mediated kidney, eye and vessel injury. <i>Kidney International</i> , 2020, 98, 1193-1209.	2.6	8
13	Salt-sensitive hypertension and the immune system. <i>Experimental Physiology</i> , 2020, 105, 767-768.	0.9	0
14	Endothelin-1 Mediates the Systemic and Renal Hemodynamic Effects of GPR81 Activation. <i>Hypertension</i> , 2020, 75, 1213-1222.	1.3	15
15	Trichostatin blocks aldosterone-induced Na ⁺ transport and control of serum- and glucocorticoid-inducible kinase 1 in cortical collecting duct cells. <i>British Journal of Pharmacology</i> , 2019, 176, 4708-4719.	2.7	10
16	Glucocorticoid receptor activation stimulates the sodium-chloride cotransporter and influences the diurnal rhythm of its phosphorylation. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1536-F1548.	1.3	24
17	Refining the Mouse Subtotal Nephrectomy in Male 129S2/SV Mice for Consistent Modeling of Progressive Kidney Disease With Renal Inflammation and Cardiac Dysfunction. <i>Frontiers in Physiology</i> , 2019, 10, 1365.	1.3	11
18	Hyperkalemia: pathophysiology, risk factors and consequences. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, iii2-iii11.	0.4	102

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19	Urinary Extracellular Vesicle Protein Profiling and Endogenous Lithium Clearance Support Excessive Renal Sodium Wasting and Water Reabsorption in Thiazide-Induced Hyponatremia. <i>Kidney International Reports</i> , 2019, 4, 139-147.	0.4	8
20	A novel role for myeloid endothelin-B receptors in hypertension. <i>European Heart Journal</i> , 2019, 40, 768-784.	1.0	31
21	Prevalence and antimicrobial resistance of <i>Campylobacter</i> from antibiotic-free broilers during organic and conventional processing. <i>Poultry Science</i> , 2019, 98, 1447-1454.	1.5	35
22	Impaired pressure natriuresis and non-dipping blood pressure in rats with early type 1 diabetes mellitus. <i>Journal of Physiology</i> , 2019, 597, 767-780.	1.3	11
23	Mechanisms of Salt-Sensitive Hypertension in a Mouse Model of ACTH-Dependent Cushing Syndrome. <i>FASEB Journal</i> , 2019, 33, .	0.2	0
24	The Role of the Endothelin System in the Progression of Acute Kidney Injury to Chronic Kidney Disease. <i>FASEB Journal</i> , 2019, 33, 748.12.	0.2	0
25	Corticosteroid Regulation of ENaC-Mediated Na ⁺ Transport in a Cellular Model of the Cortical Collecting Duct. <i>FASEB Journal</i> , 2019, 33, .	0.2	0
26	High Sodium Diet in 11 β Hydroxysteroid Dehydrogenase Type 2 CNS Knockout Mice Induces a Proinflammatory Phenotype of Perivascular Adipose Tissue and Alterations in Arterial Reactivity. <i>FASEB Journal</i> , 2019, 33, 866.8.	0.2	0
27	Comparison of processing parameters in small and very small beef processing plants and their impact on <i>Escherichia coli</i> prevalence. <i>LWT - Food Science and Technology</i> , 2018, 95, 92-98.	2.5	0
28	Thermal Inactivation of Shiga Toxin-Producing <i>Escherichia coli</i> in Ground Beef with Varying Fat Content. <i>Journal of Food Protection</i> , 2018, 81, 986-992.	0.8	7
29	The renal and blood pressure response to low sodium diet in P2X4 receptor knockout mice. <i>Physiological Reports</i> , 2018, 6, e13899.	0.7	8
30	Renal and Blood Pressure Response to a High-Salt Diet in Mice With Reduced Global Expression of the Glucocorticoid Receptor. <i>Frontiers in Physiology</i> , 2018, 9, 848.	1.3	22
31	Prevalence, Persistence, and Antimicrobial Resistance of <i>Campylobacter</i> spp. from Eggs and Laying Hens Housed in Five Commercial Housing Systems. <i>Foodborne Pathogens and Disease</i> , 2018, 15, 506-516.	0.8	13
32	First-in-Man Demonstration of Direct Endothelin-Mediated Natriuresis and Diuresis. <i>Hypertension</i> , 2017, 70, 192-200.	1.3	7
33	Hyperglycemia-induced Renal P2X7 Receptor Activation Enhances Diabetes-related Injury. <i>EBioMedicine</i> , 2017, 19, 73-83.	2.7	64
34	Transcription controls growth, cell kinetics and cholesterol supply to sustain ACTH responses. <i>Endocrine Connections</i> , 2017, 6, 446-457.	0.8	7
35	11 β -Hydroxysteroid Dehydrogenases and Hypertension in the Metabolic Syndrome. <i>Current Hypertension Reports</i> , 2017, 19, 100.	1.5	34
36	Purinergic signaling in kidney disease. <i>Kidney International</i> , 2017, 91, 315-323.	2.6	72

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37	11 β -HSD2 SUMOylation Modulates Cortisol-Induced Mineralocorticoid Receptor Nuclear Translocation Independently of Effects on Transactivation. <i>Endocrinology</i> , 2017, 158, 4047-4063.	1.4	14
38	Renal extracellular vesicles: from physiology to clinical application. <i>Journal of Physiology</i> , 2016, 594, 5735-5748.	1.3	43
39	Dexamethasone and insulin activate serum and glucocorticoid-inducible kinase 1 (SGK1) via different molecular mechanisms in cortical collecting duct cells. <i>Physiological Reports</i> , 2016, 4, e12792.	0.7	21
40	Vasopressin Regulates Extracellular Vesicle Uptake by Kidney Collecting Duct Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3345-3355.	3.0	48
41	ISN Forefronts Symposium 2015: The Evolution of Hypertension "Old Genes, New Concepts. <i>Kidney International Reports</i> , 2016, 1, 197-203.	0.4	6
42	ER stress and basement membrane defects combine to cause glomerular and tubular renal disease resulting from <i>Col4a1</i> mutations in mice. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 165-176.	1.2	34
43	Conditional Deletion of <i>Hsd11b2</i> in the Brain Causes Salt Appetite and Hypertension. <i>Circulation</i> , 2016, 133, 1360-1370.	1.6	60
44	Glucocorticoids Induce Nondipping Blood Pressure by Activating the Thiazide-Sensitive Cotransporter. <i>Hypertension</i> , 2016, 67, 1029-1037.	1.3	61
45	Comprehensive microRNA profiling in acetaminophen toxicity identifies novel circulating biomarkers for human liver and kidney injury. <i>Scientific Reports</i> , 2015, 5, 15501.	1.6	114
46	Sodium homeostasis is preserved in a global 11 β -hydroxysteroid dehydrogenase type 1 knockout mouse model. <i>Experimental Physiology</i> , 2015, 100, 1362-1378.	0.9	3
47	Vascular and inflammatory actions of P2X receptors in renal injury. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015, 191, 135-140.	1.4	15
48	Mineralocorticoid Excess or Glucocorticoid Insufficiency. <i>Hypertension</i> , 2015, 66, 667-673.	1.3	25
49	Glucocorticoids and 11 β -hydroxysteroid dehydrogenases: mechanisms for hypertension. <i>Current Opinion in Pharmacology</i> , 2015, 21, 105-114.	1.7	43
50	Fetal brain 11 β -hydroxysteroid dehydrogenase type 2 selectively determines programming of adult depressive-like behaviors and cognitive function, but not anxiety behaviors in male mice. <i>Psychoneuroendocrinology</i> , 2015, 59, 59-70.	1.3	32
51	Inhibition of the purinergic P2X7 receptor improves renal perfusion in angiotensin-II-infused rats. <i>Kidney International</i> , 2015, 88, 1079-1087.	2.6	48
52	Renal P2 receptors and hypertension. <i>Acta Physiologica</i> , 2015, 213, 232-241.	1.8	45
53	Hypertrophy in the Distal Convoluted Tubule of an 11 β -Hydroxysteroid Dehydrogenase Type 2 Knockout Model. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1537-1548.	3.0	27
54	Glucocorticoids and renal Na ⁺ transport: implications for hypertension and salt sensitivity. <i>Journal of Physiology</i> , 2014, 592, 1731-1744.	1.3	58

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55	Purinergic signalling in the kidney in health and disease. <i>Purinergic Signalling</i> , 2014, 10, 71-101.	1.1	84
56	Retro-Orbital Blood Acquisition Facilitates Circulating microRNA Measurement in Zebrafish with Paracetamol Hepatotoxicity. <i>Zebrafish</i> , 2014, 11, 219-226.	0.5	37
57	Pressure natriuresis and the renal control of arterial blood pressure. <i>Journal of Physiology</i> , 2014, 592, 3955-3967.	1.3	121
58	Acute inhibition of NCC does not activate distal electrogenic Na ⁺ reabsorption or kaliuresis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F457-F467.	1.3	56
59	Urinary exosomes: A reservoir for biomarker discovery and potential mediators of intrarenal signalling. <i>Proteomics</i> , 2013, 13, 1572-1580.	1.3	150
60	Extracellular Nucleotides and Renal Function. , 2013, , 511-537.		5
61	Regulation of K ⁺ Excretion. , 2013, , 1659-1715.		13
62	Quantification of human urinary exosomes by nanoparticle tracking analysis. <i>Journal of Physiology</i> , 2013, 591, 5833-5842.	1.3	176
63	Effect of P2X4 and P2X7 receptor antagonism on the pressure diuresis relationship in rats. <i>Frontiers in Physiology</i> , 2013, 4, 305.	1.3	33
64	An anatomically unbiased approach for analysis of renal BOLD magnetic resonance images. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F845-F852.	1.3	6
65	Abnormal regulation of NCC in glucocorticoid receptor haploinsufficient mice. <i>FASEB Journal</i> , 2013, 27, 911.11.	0.2	0
66	Hyperglycemia and Renin-Dependent Hypertension Synergize to Model Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 405-411.	3.0	40
67	A urine-concentrating defect in 11 β -hydroxysteroid dehydrogenase type 2 null mice. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F494-F502.	1.3	14
68	Failure to Downregulate the Epithelial Sodium Channel Causes Salt Sensitivity in <i>Hsd11b2</i> Heterozygote Mice. <i>Hypertension</i> , 2012, 60, 684-690.	1.3	26
69	Techniques for the <i>in vivo</i> assessment of cardio-renal function in zebrafish (<i>Danio rerio</i>) larvae. <i>Journal of Physiology</i> , 2012, 590, 1803-1809.	1.3	38
70	Activation of Thiazide-Sensitive Co-Transport by Angiotensin II in the <i>cyp1a1-Ren2</i> Hypertensive Rat. <i>PLoS ONE</i> , 2012, 7, e36311.	1.1	24
71	P2X receptors and kidney function. <i>Environmental Sciences Europe</i> , 2012, 1, 503-511.	2.6	7
72	Exosomal transmission of functional aquaporin 2 in kidney cortical collecting duct cells. <i>Journal of Physiology</i> , 2011, 589, 6119-6127.	1.3	123

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73	<i>Hsd11b2</i> Haploinsufficiency in Mice Causes Salt Sensitivity of Blood Pressure. <i>Hypertension</i> , 2011, 57, 515-520.	1.3	41
74	In silico structure-function analysis of pathological variation in the <i>HSD11B2</i> gene sequence. <i>Physiological Genomics</i> , 2010, 42, 319-330.	1.0	24
75	Transcriptional and physiological responses to chronic ACTH treatment by the mouse kidney. <i>Physiological Genomics</i> , 2010, 40, 158-166.	1.0	21
76	Col4a1 mutation in mice causes defects in vascular function and low blood pressure associated with reduced red blood cell volume. <i>Human Molecular Genetics</i> , 2010, 19, 1119-1128.	1.4	75
77	Foot-and-Mouth Disease Virus 2C Is a Hexameric AAA+ Protein with a Coordinated ATP Hydrolysis Mechanism. <i>Journal of Biological Chemistry</i> , 2010, 285, 24347-24359.	1.6	57
78	Angiotensin-converting Enzyme Is a Modifier of Hypertensive End Organ Damage. <i>Journal of Biological Chemistry</i> , 2009, 284, 15564-15572.	1.6	20
79	Mineralocorticoid and Glucocorticoid Receptors Stimulate Epithelial Sodium Channel Activity in a Mouse Model of Cushing Syndrome. <i>Hypertension</i> , 2009, 54, 890-896.	1.3	66
80	Effects of extracellular nucleotides on renal tubular solute transport. <i>Purinergic Signalling</i> , 2009, 5, 473-480.	1.1	30
81	Quantitative analysis of RU38486 (mifepristone) by HPLC triple quadrupole mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 497-501.	1.2	7
82	Development of a highly sensitive ELISA for aldosterone in mouse urine: Validation in physiological and pathophysiological states of aldosterone excess and depletion. <i>Steroids</i> , 2009, 74, 456-462.	0.8	23
83	Physiological and pathophysiological applications of sensitive ELISA methods for urinary deoxycorticosterone and corticosterone in rodents. <i>Steroids</i> , 2009, 74, 938-944.	0.8	23
84	A Switch in the Mechanism of Hypertension in the Syndrome of Apparent Mineralocorticoid Excess. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 47-58.	3.0	58
85	Extracellular Nucleotides and Renal Function. , 2008, , 425-442.		3
86	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. <i>Kidney International</i> , 2006, 70, 51-59.	2.6	161
87	The influence of cardiovascular and antiinflammatory drugs on thiazide-induced hemodynamic and saluretic effects. <i>European Journal of Clinical Pharmacology</i> , 2006, 62, 885-892.	0.8	11
88	Role of Endothelin Receptors for Renal Protection and Survival in Hypertension. <i>Hypertension</i> , 2006, 48, 834-837.	1.3	18
89	Hypertension, Kidney, and Transgenics: A Fresh Perspective. <i>Physiological Reviews</i> , 2006, 86, 709-746.	13.1	89
90	In vivo stimulation of apical P2 receptors in collecting ducts: evidence for inhibition of sodium reabsorption. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, F1243-F1248.	1.3	54

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91	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
92	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
93	P2Y Receptors Present in the Native and Isolated Rat Glomerulus. Nephron Physiology, 2004, 96, p79-p90.	1.5	49
94	NHE2-mediated bicarbonate reabsorption in the distal tubule of NHE3 null mice. Journal of Physiology, 2004, 561, 765-775.	1.3	41
95	ETA receptor-mediated Ca ²⁺ signaling in thin descending limbs of Henle's loop: Impairment in genetic hypertension. Kidney International, 2003, 63, 1276-1284.	2.6	16
96	Purinergic Signaling Along the Renal Tubule: The Current State of Play. Physiology, 2003, 18, 237-241.	1.6	56
97	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
98	Purinergic (P2) Receptors in the Kidney. Current Topics in Membranes, 2003, 54, 369-394.	0.5	0
99	Role of luminal anion and pH in distal tubule potassium secretion. American Journal of Physiology - Renal Physiology, 2003, 284, F381-F388.	1.3	42
100	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
101	RAPID COMMUNICATION In vivo inhibition of renal 11 β -hydroxysteroid dehydrogenase in the rat stimulates collecting duct sodium reabsorption. Clinical Science, 2001, 101, 195-198.	1.8	17
102	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
103	In vivo inhibition of renal 11 β -hydroxysteroid dehydrogenase in the rat stimulates collecting duct sodium reabsorption. Clinical Science, 2001, 101, 195-8.	1.8	8
104	Axial distribution and characterization of basolateral P2Y receptors along the rat renal tubule. Kidney International, 2000, 58, 1893-1901.	2.6	78
105	Effects of Changes in Dietary Intake of Sodium and Potassium and of Metabolic Acidosis on 11 β -Hydroxysteroid Dehydrogenase Activities in Rat Kidney. Nephron Experimental Nephrology, 2000, 8, 44-51.	2.4	21
106	P2 receptors in the kidney. Journal of the Autonomic Nervous System, 2000, 81, 264-270.	1.9	57
107	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
108	NOTE ON AMERICAN GOOSEBERRY MILDEW. Annals of Applied Biology, 1915, 2, 162-165.	1.3	0

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109	Glucocorticoids and Mineralocorticoids. , 0, , 1-37.		4