

# Eric Feraille

## List of Publications by Year in descending order

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75  
papers

4,111  
citations

87888

38  
h-index

114465

63  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sodium-Potassium-Adenosinetriphosphatase-Dependent Sodium Transport in the Kidney: Hormonal Control. <i>Physiological Reviews</i> , 2001, 81, 345-418.	28.8	422
2	Aldosterone induces rapid apical translocation of ENaC in early portion of renal collecting system: possible role of SGK. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, F675-F682.	2.7	320
3	Dopamine-induced Endocytosis of Na <sup>+</sup> ,K <sup>+</sup> -ATPase Is Initiated by Phosphorylation of Ser-18 in the Rat $\hat{\pm}$ Subunit and Is Responsible for the Decreased Activity in Epithelial Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 1920-1927.	3.4	190
4	Long Term Regulation of Aquaporin-2 Expression in Vasopressin-responsive Renal Collecting Duct Principal Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 10379-10386.	3.4	154
5	Phosphorylation of the Catalytic $\hat{\pm}$ -Subunit Constitutes a Triggering Signal for Na <sup>+</sup> ,K <sup>+</sup> -ATPase Endocytosis. <i>Journal of Biological Chemistry</i> , 1998, 273, 8814-8819.	3.4	146
6	NADPH-Oxidase 4 Protects against Kidney Fibrosis during Chronic Renal Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1967-1976.	6.1	131
7	Tonicity-Responsive Enhancer Binding Protein Is an Essential Regulator of Aquaporin-2 Expression in Renal Collecting Duct Principal Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 1521-1531.	6.1	118
8	Osmoprotective Transcription Factor NFAT5/TonEBP Modulates Nuclear Factor- $\hat{\pm}$ B Activity. <i>Molecular Biology of the Cell</i> , 2010, 21, 3459-3474.	2.1	98
9	Insulin-induced Stimulation of Na <sup>+</sup> ,K <sup>+</sup> -ATPase Activity in Kidney Proximal Tubule Cells Depends on Phosphorylation of the $\hat{\pm}$ -Subunit at Tyr-10. <i>Molecular Biology of the Cell</i> , 1999, 10, 2847-2859.	2.1	95
10	Aldosterone Activates NF- $\hat{\pm}$ B in the Collecting Duct. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 131-144.	6.1	95
11	Calcium-sensing Receptor Attenuates AVP-induced Aquaporin-2 Expression via a Calmodulin-dependent Mechanism. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 109-116.	6.1	93
12	Dual Effects of Hypertonicity on Aquaporin-2 Expression in Cultured Renal Collecting Duct Principal Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 1571-1582.	6.1	86
13	Altered proximal tubular cell glucose metabolism during acute kidney injury is associated with mortality. <i>Nature Metabolism</i> , 2020, 2, 732-743.	11.9	85
14	ERK1/2 Mediates Insulin Stimulation of Na,K-ATPase by Phosphorylation of the $\hat{\pm}$ -Subunit in Human Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 25211-25218.	3.4	83
15	Simultaneous Phosphorylation of Ser11 and Ser18 in the $\hat{\pm}$ -Subunit Promotes the Recruitment of Na <sup>+</sup> ,K <sup>+</sup> -ATPase Molecules to the Plasma Membrane. <i>Biochemistry</i> , 2000, 39, 9884-9892.	2.5	80
16	Cell Shrinkage Triggers the Activation of Mitogen-activated Protein Kinases by Hypertonicity in the Rat Kidney Medullary Thick Ascending Limb of the Henle's Loop. <i>Journal of Biological Chemistry</i> , 1999, 274, 34103-34110.	3.4	77
17	Inducible expression of Snail selectively increases paracellular ion permeability and differentially modulates tight junction proteins. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C1002-C1014.	4.6	71
18	Short Term Effect of Aldosterone on Na,K-ATPase Cell Surface Expression in Kidney Collecting Duct Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 47087-47093.	3.4	70

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19	NF- $\kappa$ B Modulates Aquaporin-2 Transcription in Renal Collecting Duct Principal Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 28095-28105.	3.4	68
20	Cyclic AMP Increases Cell Surface Expression of Functional Na,K-ATPase Units in Mammalian Cortical Collecting Duct Principal Cells. <i>Molecular Biology of the Cell</i> , 2001, 12, 255-264.	2.1	66
21	Protein kinase A induces recruitment of active Na <sup>+</sup> ,K <sup>+</sup> -ATPase units to the plasma membrane of rat proximal convoluted tubule cells. <i>Journal of Physiology</i> , 1998, 511, 235-243.	2.9	64
22	Hyperaldosteronemia and Activation of the Epithelial Sodium Channel Are Not Required for Sodium Retention in Puromycin-Induced Nephrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 3642-3650.	6.1	64
23	Inhibition of basal p38 or JNK activity enhances epithelial barrier function through differential modulation of claudin expression. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C775-C787.	4.6	64
24	Intracellular Na <sup>+</sup> Controls Cell Surface Expression of Na,K-ATPase via a cAMP-independent PKA Pathway in Mammalian Kidney Collecting Duct Cells. <i>Molecular Biology of the Cell</i> , 2003, 14, 2677-2688.	2.1	60
25	Insulin potentiates AVP-induced AQP2 expression in cultured renal collecting duct principal cells. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 288, F334-F344.	2.7	58
26	Aquaporin-2 abundance in the renal collecting duct: new insights from cultured cell models. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F10-F18.	2.7	58
27	Hypertonic stress promotes autophagy and microtubule-dependent autophagosomal clusters. <i>Autophagy</i> , 2013, 9, 550-567.	9.1	56
28	Effect of cAMP on the activity and the phosphorylation of Na <sup>+</sup> ,K <sup>+</sup> -ATPase in rat thick ascending limb of Henle. <i>Kidney International</i> , 1999, 55, 1819-1831.	5.2	53
29	Proteinuria Increases Plasma Phosphate by Altering Its Tubular Handling. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 1608-1618.	6.1	53
30	Insulin- and Glucose-Induced Phosphorylation of the Na <sup>+</sup> ,K <sup>+</sup> -Adenosine Triphosphatase $\alpha$ -Subunits in Rat Skeletal Muscle. <i>Endocrinology</i> , 2001, 142, 3474-3482.	2.8	51
31	Albuminuria induces a proinflammatory and profibrotic response in cortical collecting ducts via the 24p3 receptor. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F1053-F1063.	2.7	51
32	Dual Influence of Aldosterone on AQP2 Expression in Cultured Renal Collecting Duct Principal Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 21639-21648.	3.4	50
33	Regulatory volume increase is associated with p38 kinase-dependent actin cytoskeleton remodeling in rat kidney MTAL. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, F336-F347.	2.7	48
34	Coordinated Control of ENaC and Na <sup>+</sup> ,K <sup>+</sup> -ATPase in Renal Collecting Duct. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2554-2563.	6.1	48
35	Posttranscriptional control of aquaporin-2 abundance by vasopressin in renal collecting duct principal cells. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F177-F187.	2.7	44
36	Ionic imbalance, in addition to molecular crowding, abates cytoskeletal dynamics and vesicle motility during hypertonic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3104-13.	7.1	42

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37	NF- $\kappa$ B Inhibits Sodium Transport via Down-regulation of SGK1 in Renal Collecting Duct Principal Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 25671-25681.	3.4	41
38	Arginine vasopressin modulates expression of neuronal NOS in rat renal medulla. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F559-F568.	2.7	40
39	Mechanism of Control of Na,K-ATPase in Principal Cells of the Mammalian Collecting Duct. <i>Annals of the New York Academy of Sciences</i> , 2003, 986, 570-578.	3.8	40
40	Short-Term Aldosterone Action on Na,K-ATPase Surface Expression. <i>Annals of the New York Academy of Sciences</i> , 2003, 986, 554-561.	3.8	38
41	Sodium Transport Is Modulated by p38 Kinase-Dependent Cross-Talk between ENaC and Na,K-ATPase in Collecting Duct Principal Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 250-259.	6.1	36
42	Differential role of nicotinamide adenine dinucleotide deficiency in acute and chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, 60-68.	0.7	35
43	Dietary sodium induces a redistribution of the tubular metabolic workload. <i>Journal of Physiology</i> , 2017, 595, 6905-6922.	2.9	34
44	Increased Synthesis and AVP Unresponsiveness of Na,K-ATPase in Collecting Duct from Nephrotic Rats. <i>Journal of the American Society of Nephrology: JASN</i> , 2001, 12, 2241-2252.	6.1	30
45	Cytokines and Sodium Induce Protein Kinase A-Dependent Cell-Surface Na,K-ATPase Recruitment via Dissociation of NF- $\kappa$ B/I $\kappa$ B/Protein Kinase A Catalytic Subunit Complex in Collecting Duct Principal Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2576-2585.	6.1	29
46	cAMP-dependent chloride secretion mediates tubule enlargement and cyst formation by cultured mammalian collecting duct cells. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F446-F457.	2.7	29
47	Stimulation of ouabain-sensitive Rb <sup>+</sup> uptake and Na <sup>+</sup> ,K <sup>+</sup> -ATPase $\beta$ -subunit phosphorylation by a cAMP-dependent signalling pathway in intact cells from rat kidney cortex. <i>FEBS Letters</i> , 1996, 396, 309-314.	2.8	28
48	Is Phosphorylation of the $\beta$ 1 Subunit at Ser-16 Involved in the Control of Na,K-ATPase Activity by Phorbol Ester-activated Protein Kinase C?. <i>Molecular Biology of the Cell</i> , 2000, 11, 39-50.	2.1	28
49	Hormonal and Nonhormonal Mechanisms of Regulation of the Na,K-Pump in Collecting Duct Principal Cells. <i>Seminars in Nephrology</i> , 2005, 25, 312-321.	1.6	24
50	Regulation of plasma volume in male lowlanders during 4 days of exposure to hypobaric hypoxia equivalent to 3500 m altitude. <i>Journal of Physiology</i> , 2021, 599, 1083-1096.	2.9	24
51	Stimulation of Na <sup>+</sup> transport by AVP is independent of PKA phosphorylation of the Na-K-ATPase in collecting duct principal cells. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, F1031-F1039.	2.7	23
52	NADPH Oxidase 4 Deficiency Reduces Aquaporin-2 mRNA Expression in Cultured Renal Collecting Duct Principal Cells via Increased PDE3 and PDE4 Activity. <i>PLoS ONE</i> , 2014, 9, e87239.	2.5	22
53	Different effects of ZO-1, ZO-2 and ZO-3 silencing on kidney collecting duct principal cell proliferation and adhesion. <i>Cell Cycle</i> , 2014, 13, 3059-3075.	2.6	20
54	Interaction between Epithelial Sodium Channel $\beta$ 3-Subunit and Claudin-8 Modulates Paracellular Sodium Permeability in Renal Collecting Duct. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 1009-1023.	6.1	20

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55	Mechanisms of oedema in nephrotic syndrome: old theories and new ideas. <i>Nephrology Dialysis Transplantation</i> , 2003, 18, 454-456.	0.7	19
56	Klotho regulation by albuminuria is dependent on ATF3 and endoplasmic reticulum stress. <i>FASEB Journal</i> , 2020, 34, 2087-2104.	0.5	19
57	Extracellular Hypotonicity Increases Na,K-ATPase Cell Surface Expression via Enhanced Na <sup>+</sup> Influx in Cultured Renal Collecting Duct Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 2537-2547.	6.1	16
58	Glomerulonephritis and sodium retention: enhancement of Na <sup>+</sup> /K <sup>+</sup> -ATPase activity in the collecting duct is shared by rats with puromycin induced nephrotic syndrome and mice with spontaneous lupus-like glomerulonephritis. <i>Nephrology Dialysis Transplantation</i> , 1999, 14, 2192-2195.	0.7	14
59	Epithelial sodium channel abundance is decreased by an unfolded protein response induced by hyperosmolality. <i>Physiological Reports</i> , 2014, 2, e12169.	1.7	14
60	Insulin Unresponsiveness of Tubular Monovalent Cation Transport during Fructose-Induced Hypertension in Rats. <i>Clinical Science</i> , 1995, 88, 293-299.	4.3	9
61	Arginase <sup>II</sup> negatively regulates renal aquaporin <sup>2</sup> and water reabsorption. <i>FASEB Journal</i> , 2018, 32, 5520-5531.	0.5	9
62	Activation of the Hypoxia-Inducible Factor Pathway Inhibits Epithelial Sodium Channel <sup>α</sup> -Mediated Sodium Transport in Collecting Duct Principal Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 3130-3145.	6.1	9
63	Spatially restricted hyaluronan production by <i>Has2</i> drives epithelial tubulogenesis in vitro. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C745-C759.	4.6	8
64	Aldosterone controls primary cilium length and cell size in renal collecting duct principal cells. <i>FASEB Journal</i> , 2020, 34, 2625-2640.	0.5	8
65	Time <sup>α</sup> course of sodium transport along the nephron in nephrotic syndrome: The role of potassium. <i>FASEB Journal</i> , 2020, 34, 2408-2424.	0.5	7
66	Renal water transport in health and disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 841-852.	2.8	6
67	Endothelin <sup>1</sup> mediates natriuresis but not polyuria during vitamin D <sup>α</sup> induced acute hypercalcaemia. <i>Journal of Physiology</i> , 2017, 595, 2535-2550.	2.9	4
68	Plasma volume contraction reduces atrial natriuretic peptide after four days of hypobaric hypoxia exposure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R526-R531.	1.8	4
69	Primary cilia control the maturation of tubular lumen in renal collecting duct epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C94-C107.	4.6	3
70	Dietary sodium intake does not alter renal potassium handling and blood pressure in healthy young males. <i>Nephrology Dialysis Transplantation</i> , 2021, , .	0.7	3
71	Expression of claudin-8 is induced by aldosterone in renal collecting duct principal cells. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F645-F655.	2.7	3
72	Renal Ion-Translocating ATPases. , 2013, , 67-93.		0

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73	Sodium-Potassium-ATPase. , 2007, , 1-25.		0
74	The Physiology of the Collecting Ducts. , 2009, , 150-155.		0
75	Autophagy is induced by hypertonic stress and is associated with microtubuleâ€dependent pericentrosomal clustering of autolysosomes. FASEB Journal, 2013, 27, 728.2.	0.5	0