Sylvie Breton

List of Publications by Year in Descending Order

91 papers	5,289 citations	45 h-index	72 g-index
94 ext. papers	5,858 ext. citations	6.4 avg, IF	5.43 L-index

#	Paper	IF	Citations
91	The MAPK/ERK signaling pathway regulates the expression and localization of Cx43 in mouse proximal epididymis.. *Biology of Reproduction*, **2022**,	3.9	1
90	Urinary UDP-Glucose as a Novel Actionable Biomarker of Dehydration-Induced Acute Kidney Injury.. *Annals of Nutrition and Metabolism*, **2021**, 77 Suppl 4, 25-27	4.5	0
89	Distribution pattern of ZO-1 and claudins in the epididymis of vampire bats. *Tissue Barriers*, **2020**, 8, 1779526	4.3	1
88	Proinflammatory P2Y14 receptor inhibition protects against ischemic acute kidney injury in mice. *Journal of Clinical Investigation*, **2020**, 130, 3734-3749	15.9	25
87	Region-specific transcriptomic and functional signatures of mononuclear phagocytes in the epididymis. *Molecular Human Reproduction*, **2020**, 26, 14-29	4.4	14
86	From initial segment to cauda: a regional characterization of mouse epididymal CD11c mononuclear phagocytes based on immune phenotype and function. *American Journal of Physiology - Cell Physiology*, **2020**, 319, C997-C1010	5.4	3
85	Androgens are essential for epithelial cell recovery after efferent duct ligation in the initial segment of the mouse epididymis *Biology of Reproduction*, **2020**, 102, 76-83	3.9	5
84	Epithelial dynamics in the epididymis: role in the maturation, protection, and storage of spermatozoa. *Andrology*, **2019**, 7, 631-643	4.2	16
83	Revisiting structure/functions of the human epididymis. *Andrology*, **2019**, 7, 748-757	4.2	19
82	Novel role of proton-secreting epithelial cells in sperm maturation and mucosal immunity. *Journal of Cell Science*, **2019**, 133,	5.3	10
81	Unravelling purinergic regulation in the epididymis: activation of V-ATPase-dependent acidification by luminal ATP and adenosine. *Journal of Physiology*, **2019**, 597, 1957-1973	3.9	9
80	Reply to Edemir: Physiological regulation and single-cell RNA sequencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E351-E352	11.5	1
79	Targeted deletion of the Ncoa7 gene results in incomplete distal renal tubular acidosis in mice. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F173-F185	4.3	11
78	Extracellular Adenosine Stimulates Vacuolar ATPase-Dependent Proton Secretion in Medullary Intercalated Cells. *Journal of the American Society of Nephrology: JASN*, **2018**, 29, 545-556	12.7	16
77	Pattern of protein expression in the epididymis of Oligoryzomys nigripes (Cricetidae, Sigmodontinae). *Cell and Tissue Research*, **2018**, 372, 135-147	4.2	5
76	Impaired male fertility and abnormal epididymal epithelium differentiation in mice lacking CRISP1 and CRISP4. *Scientific Reports*, **2018**, 8, 17531	4.9	18
75	Relative contribution of clear cells and principal cells to luminal pH in the mouse epididymis. *Biology of Reproduction*, **2017**, 96, 366-375	3.9	17

74	The expression patterns of aquaporin 9, vacuolar H-ATPase, and cytokeratin 5 in the epididymis of the common vampire bat. *Histochemistry and Cell Biology*, **2017**, 147, 39-48	2.4	11
73	Tyrosine kinase-mediated axial motility of basal cells revealed by intravital imaging. *Nature Communications*, **2016**, 7, 10666	17.4	18
72	The MAPK/ERK-Signaling Pathway Regulates the Expression and Distribution of Tight Junction Proteins in the Mouse Proximal Epididymis. *Biology of Reproduction*, **2016**, 94, 22	3.9	38
71	Regulation of epithelial function, differentiation, and remodeling in the epididymis. *Asian Journal of Andrology*, **2016**, 18, 3-9	2.8	57
70	Role of testicular luminal factors on Basal cell elongation and proliferation in the mouse epididymis. *Biology of Reproduction*, **2015**, 92, 9	3.9	25
69	Localization of the gap junction protein, connexin 43, and E-cadherin/Cadherin-1 in the proximal mouse epididymis. *Molecular Reproduction and Development*, **2015**, 82, 723-723	2.6	
68	Mapping the H(+) (V)-ATPase interactome: identification of proteins involved in trafficking, folding, assembly and phosphorylation. *Scientific Reports*, **2015**, 5, 14827	4.9	65
67	Renal intercalated cells sense and mediate inflammation via the P2Y14 receptor. *PLoS ONE*, **2015**, 10, e0121419	3.7	53
66	CFTR interacts with ZO-1 to regulate tight junction assembly and epithelial differentiation through the ZONAB pathway. *Journal of Cell Science*, **2014**, 127, 4396-408	5.3	73
65	Epithelial basal cells are distinct from dendritic cells and macrophages in the mouse epididymis. *Biology of Reproduction*, **2014**, 90, 90	3.9	50
64	High-resolution helium ion microscopy of epididymal epithelial cells and their interaction with spermatozoa. *Molecular Human Reproduction*, **2014**, 20, 929-37	4.4	29
63	ROS1 signaling regulates epithelial differentiation in the epididymis. *Endocrinology*, **2014**, 155, 3661-73	4.8	14
62	Dedifferentiation of committed epithelial cells into stem cells in vivo. *Nature*, **2013**, 503, 218-23	50.4	445
61	Plasticity of basal cells during postnatal development in the rat epididymis. *Reproduction*, **2013**, 146, 455-69	3.8	31
60	Circulating aldosterone induces the apical accumulation of the proton pumping V-ATPase and increases proton secretion in clear cells in the caput epididymis. *American Journal of Physiology - Cell Physiology*, **2013**, 305, C436-46	5.4	14
59	Altered V-ATPase expression in renal intercalated cells isolated from B1 subunit-deficient mice by fluorescence-activated cell sorting. *American Journal of Physiology - Renal Physiology*, **2013**, 304, F522-32	4.3	26
58	Regulation of luminal acidification by the V-ATPase. *Physiology*, **2013**, 28, 318-29	9.8	124
57	ATP secretion in the male reproductive tract: essential role of CFTR. *Journal of Physiology*, **2012**, 590, 4209-22	3.9	36

56	cSrc is necessary for epididymal development and is incorporated into sperm during epididymal transit. *Developmental Biology*, **2012**, 369, 43-53	3.1	63
55	New insights into the dynamic regulation of water and acid-base balance by renal epithelial cells. *American Journal of Physiology - Cell Physiology*, **2012**, 302, C1421-33	5.4	48
54	Establishment of cell-cell cross talk in the epididymis: control of luminal acidification. *Journal of Andrology*, **2011**, 32, 576-86		93
53	A dense network of dendritic cells populates the murine epididymis. *Reproduction*, **2011**, 141, 653-63	3.8	84
52	Regulation of V-ATPase recycling via a RhoA- and ROCKII-dependent pathway in epididymal clear cells. *American Journal of Physiology - Cell Physiology*, **2011**, 301, C31-43	5.4	26
51	Aquaporin 9 expression in the developing rat epididymis is modulated by steroid hormones. *Reproduction*, **2010**, 139, 613-21	3.8	37
50	cAMP stimulates apical V-ATPase accumulation, microvillar elongation, and proton extrusion in kidney collecting duct A-intercalated cells. *American Journal of Physiology - Renal Physiology*, **2010**, 298, F643-54	4.3	91
49	Proteomic analysis of V-ATPase-rich cells harvested from the kidney and epididymis by fluorescence-activated cell sorting. *American Journal of Physiology - Cell Physiology*, **2010**, 298, C1326-42	5.4	36
48	Role of purinergic signaling pathways in V-ATPase recruitment to apical membrane of acidifying epididymal clear cells. *American Journal of Physiology - Cell Physiology*, **2010**, 298, C817-30	5.4	46
47	Actin cytoskeleton remodeling by RhoA and ROCKII regulates vacuolar H+-ATPase (V-ATPase) recycling in epididymal clear cells. *FASEB Journal*, **2010**, 24, 1002.10	0.9	
46	Regulation of Vacuolar H+-ATPase (V-ATPase) Recycling Via a RhoA- and ROCKII-Dependent Pathway in Epididymal Clear Cells.. *Biology of Reproduction*, **2010**, 83, 87-87	3.9	
45	Regulation of the V-ATPase in kidney epithelial cells: dual role in acid-base homeostasis and vesicle trafficking. *Journal of Experimental Biology*, **2009**, 212, 1762-72	3	110
44	Regulation of luminal acidification in the male reproductive tract via cell-cell crosstalk. *Journal of Experimental Biology*, **2009**, 212, 1753-61	3	93
43	The forkhead transcription factor Foxi1 is a master regulator of vacuolar H-ATPase proton pump subunits in the inner ear, kidney and epididymis. *PLoS ONE*, **2009**, 4, e4471	3.7	89
42	Regulation of vacuolar H+-ATPase (V-ATPase) recycling via a RhoA-dependent pathway in epididymal clear cells. *FASEB Journal*, **2009**, 23, 796.16	0.9	
41	Purinergic receptors in mouse and rat epididymis : Role of luminal ATP and adenosine in V-ATPase activation. *FASEB Journal*, **2009**, 23, 998.37	0.9	
40	Transepithelial projections from basal cells are luminal sensors in pseudostratified epithelia. *Cell*, **2008**, 135, 1108-17	56.2	123
39	Role of NHERF1, cystic fibrosis transmembrane conductance regulator, and cAMP in the regulation of aquaporin 9. *Journal of Biological Chemistry*, **2008**, 283, 2986-96	5.4	57

38	Association of soluble adenylyl cyclase with the V-ATPase in renal epithelial cells. *American Journal of Physiology - Renal Physiology*, **2008**, 294, F130-8	4.3	63
37	Alkaline pH- and cAMP-induced V-ATPase membrane accumulation is mediated by protein kinase A in epididymal clear cells. *American Journal of Physiology - Cell Physiology*, **2008**, 294, C488-94	5.4	77
36	Expression and Functional Role of the Bradykinin Type 2 Teceptor in Epididymal Principal Cells.. *Biology of Reproduction*, **2008**, 78, 124-124	3.9	
35	Regulation of vacuolar proton pumping ATPase-dependent luminal acidification in the epididymis. *Asian Journal of Andrology*, **2007**, 9, 476-82	2.8	31
34	New insights into the regulation of V-ATPase-dependent proton secretion. *American Journal of Physiology - Renal Physiology*, **2007**, 292, F1-10	4.3	107
33	Protein Kinase A (PKA) Regulates Vacuolar H+-ATPase (V-ATPase) Recycling in Epididymal Clear Cells. *FASEB Journal*, **2007**, 21, A1337	0.9	
32	Distinct expression patterns of different subunit isoforms of the V-ATPase in the rat epididymis. *Biology of Reproduction*, **2006**, 74, 185-94	3.9	132
31	Segmental and cellular expression of aquaporins in the male excurrent duct. *Biochimica Et Biophysica Acta - Biomembranes*, **2006**, 1758, 1025-33	3.8	49
30	Role of acid/base transporters in the male reproductive tract and potential consequences of their malfunction. *Physiology*, **2005**, 20, 417-28	9.8	82
29	V-ATPase B1-subunit promoter drives expression of EGFP in intercalated cells of kidney, clear cells of epididymis and airway cells of lung in transgenic mice. *American Journal of Physiology - Cell Physiology*, **2005**, 288, C1134-44	5.4	85
28	Modulation of the actin cytoskeleton via gelsolin regulates vacuolar H+-ATPase recycling. *Journal of Biological Chemistry*, **2005**, 280, 8452-63	5.4	81
27	Renal vacuolar H+-ATPase. *Physiological Reviews*, **2004**, 84, 1263-314	47.9	345
26	Expression of the 56-kDa B2 subunit isoform of the vacuolar H(+)-ATPase in proton-secreting cells of the kidney and epididymis. *American Journal of Physiology - Cell Physiology*, **2004**, 287, C149-62	5.4	75
25	Increased luminal pH in the epididymis of infertile c-ros knockout mice and the expression of sodium-hydrogen exchangers and vacuolar proton pump H+-ATPase. *Molecular Reproduction and Development*, **2004**, 68, 159-68	2.6	40
24	Detection of ClC-3 and ClC-5 in epididymal epithelium: immunofluorescence and RT-PCR after LCM. *American Journal of Physiology - Cell Physiology*, **2003**, 284, C220-32	5.4	30
23	Bicarbonate-regulated adenylyl cyclase (sAC) is a sensor that regulates pH-dependent V-ATPase recycling. *Journal of Biological Chemistry*, **2003**, 278, 49523-9	5.4	186
22	Expression of aquaporin 9 in the adult rat epididymal epithelium is modulated by androgens. *Biology of Reproduction*, **2002**, 66, 1716-22	3.9	79
21	Aquaporin 9 expression along the male reproductive tract. *Biology of Reproduction*, **2001**, 65, 384-93	3.9	122

20	Distribution of the vacuolar H+ atpase along the rat and human male reproductive tract. *Biology of Reproduction*, **2001**, 64, 1699-707	3.9	50
19	Na+/H+-exchange activity and immunolocalization of NHE3 in rat epididymis. *American Journal of Physiology - Renal Physiology*, **2001**, 280, F426-36	4.3	43
18	The cellular physiology of carbonic anhydrases. *JOP: Journal of the Pancreas*, **2001**, 2, 159-64	1.2	33
17	Cadmium inhibits vacuolar H(+)ATPase-mediated acidification in the rat epididymis. *Biology of Reproduction*, **2000**, 63, 599-606	3.9	33
16	Tetanus toxin-mediated cleavage of cellubrevin inhibits proton secretion in the male reproductive tract. *American Journal of Physiology - Renal Physiology*, **2000**, 278, F717-25	4.3	53
15	Potassium depletion increases proton pump (H(+)-ATPase) activity in intercalated cells of cortical collecting duct. *American Journal of Physiology - Renal Physiology*, **2000**, 279, F195-202	4.3	26
14	Aquaporin 2 is a vasopressin-independent, constitutive apical membrane protein in rat vas deferens. *American Journal of Physiology - Cell Physiology*, **2000**, 278, C791-802	5.4	60
13	The B1 subunit of the H+ATPase is a PDZ domain-binding protein. Colocalization with NHE-RF in renal B-intercalated cells. *Journal of Biological Chemistry*, **2000**, 275, 18219-24	5.4	124
12	H(+)V-ATPase-dependent luminal acidification in the kidney collecting duct and the epididymis/vas deferens: vesicle recycling and transcytotic pathways. *Journal of Experimental Biology*, **2000**, 203, 137-145	3	109
11	Immunolocalization of AE2 anion exchanger in rat and mouse epididymis. *Biology of Reproduction*, **1999**, 61, 973-80	3.9	43
10	Postnatal development of H+ ATPase (proton-pump)-rich cells in rat epididymis. *Histochemistry and Cell Biology*, **1999**, 111, 97-105	2.4	45
9	Localization of sodium bicarbonate cotransporter (NBC) protein and messenger ribonucleic acid in rat epididymis. *Biology of Reproduction*, **1999**, 60, 573-9	3.9	66
8	Effect of cell swelling on membrane and cytoplasmic distribution of pICln. *American Journal of Physiology - Cell Physiology*, **1998**, 274, C1545-51	5.4	22
7	Proton secretion in the male reproductive tract: involvement of Cl--independent HCO-3 transport. *American Journal of Physiology - Cell Physiology*, **1998**, 275, C1134-42	5.4	68
6	Role of V-ATPase-rich cells in acidification of the male reproductive tract.. *Journal of Experimental Biology*, **1997**, 200, 257-262	3	62
5	Role of V-ATPase-rich cells in acidification of the male reproductive tract. *Journal of Experimental Biology*, **1997**, 200, 257-62	3	53
4	Acidification of the male reproductive tract by a proton pumping (H+)-ATPase. *Nature Medicine*, **1996**, 2, 470-2	50.5	210
3	Mitochondria-rich, proton-secreting epithelial cells.. *Journal of Experimental Biology*, **1996**, 199, 2345-2358	3	149

2	Mitochondria-rich, proton-secreting epithelial cells. *Journal of Experimental Biology*, **1996**, 199, 2345-58	3	126
1	Depletion of intercalated cells from collecting ducts of carbonic anhydrase II-deficient (CAR2 null) mice. *American Journal of Physiology - Renal Physiology*, **1995**, 269, F761-74	4.3	51