Stine F Pedersen

List of Publications by Citations

157 papers	7,215 citations	49 h-index	80 g-index
167 ext. papers	8,326 ext. citations	5.6 avg, IF	6.41 L-index

#	Paper	IF	Citations
157	Physiology of cell volume regulation in vertebrates. *Physiological Reviews*, **2009**, 89, 193-277	47.9	1002
156	TRP channels: an overview. *Cell Calcium*, **2005**, 38, 233-52	4	600
155	The Acidic Tumor Microenvironment as a Driver of Cancer. *Annual Review of Physiology*, **2020**, 82, 103-126	23.1	188
154	The cytoskeleton and cell volume regulation. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2001**, 130, 385-99	2.6	178
153	Temperature-dependent structural changes in intrinsically disordered proteins: formation of alpha-helices or loss of polyproline II?. *Protein Science*, **2010**, 19, 1555-64	6.3	165
152	Physiology and pathophysiology of Na+/H+ exchange and Na+ -K+ -2Cl- cotransport in the heart, brain, and blood. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* , **2006**, 291, R1-25	3.2	137
151	The primary cilium coordinates signaling pathways in cell cycle control and migration during development and tissue repair. *Current Topics in Developmental Biology*, **2008**, 85, 261-301	5.3	115
150	Intracellular pH gradients in migrating cells. *American Journal of Physiology - Cell Physiology*, **2011**, 300, C490-5	5.4	111
149	Transient receptor potential channels in mechanosensing and cell volume regulation. *Methods in Enzymology*, **2007**, 428, 183-207	1.7	106
148	Biophysics and Physiology of the Volume-Regulated Anion Channel (VRAC)/Volume-Sensitive Outwardly Rectifying Anion Channel (VSOR). *Pflugers Archiv European Journal of Physiology*, **2016**, 468, 371-83	4.6	103
147	Physiology, pharmacology and pathophysiology of the pH regulatory transport proteins NHE1 and NBCn1: similarities, differences, and implications for cancer therapy. *Current Pharmaceutical Design*, **2012**, 18, 1345-71	3.3	103
146	Role of the F-actin cytoskeleton in the RVD and RVI processes in Ehrlich ascites tumor cells. *Experimental Cell Research*, **1999**, 252, 63-74	4.2	96
145	NBCn1 and NHE1 expression and activity in DeltaNErbB2 receptor-expressing MCF-7 breast cancer cells: contributions to pHi regulation and chemotherapy resistance. *Experimental Cell Research*, **2010**, 316, 2538-53	4.2	94
144	Luminescent dual sensors reveal extracellular pH-gradients and hypoxia on chronic wounds that disrupt epidermal repair. *Theranostics*, **2014**, 4, 721-35	12.1	91
143	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. *Journal of Cell Science*, **2011**, 124, 2539-51	5.3	87
142	Regulation and roles of bicarbonate transporters in cancer. *Frontiers in Physiology*, **2014**, 5, 130	4.6	85
141	Contribution of Na+,HCO3(-)-cotransport to cellular pH control in human breast cancer: a role for the breast cancer susceptibility locus NBCn1 (SLC4A7). *International Journal of Cancer*, **2013**, 132, 1288-99	7.5	85

140	The identification of a volume-regulated anion channel: an amazing Odyssey. *Acta Physiologica*, **2015**, 213, 868-81	5.6	84
139	The Na+/H+ exchanger NHE1, but not the Na+, HCO3(-) cotransporter NBCn1, regulates motility of MCF7 breast cancer cells expressing constitutively active ErbB2. *Cancer Letters*, **2012**, 317, 172-83	9.9	83
138	The Na+/H+ exchanger NHE1 in stress-induced signal transduction: implications for cell proliferation and cell death. *Pflugers Archiv European Journal of Physiology*, **2006**, 452, 249-59	4.6	81
137	The P2X7 receptor regulates cell survival, migration and invasion of pancreatic ductal adenocarcinoma cells. *Molecular Cancer*, **2015**, 14, 203	42.1	80
136	The Na+/H+ exchanger NHE1 is required for directional migration stimulated via PDGFR-alpha in the primary cilium. *Journal of Cell Biology*, **2009**, 185, 163-76	7.3	77
135	ANO1 (TMEM16A) in pancreatic ductal adenocarcinoma (PDAC). *Pflugers Archiv European Journal of Physiology*, **2015**, 467, 1495-1508	4.6	75
134	Activation of PLA2 isoforms by cell swelling and ischaemia/hypoxia. *Acta Physiologica*, **2006**, 187, 75-85	5.6	74
133	Interactions of ion transporters and channels with cancer cell metabolism and the tumour microenvironment. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20130098	5.8	72
132	Roles of pH and the Na/H exchanger NHE1 in cancer: From cell biology and animal models to an emerging translational perspective?. *Seminars in Cancer Biology*, **2017**, 43, 5-16	12.7	71
131	Swelling-induced arachidonic acid release via the 85-kDa cPLA2 in human neuroblastoma cells. *Journal of Neurophysiology*, **1998**, 79, 1441-9	3.2	70
130	Cell volume regulation: physiology and pathophysiology. *Acta Physiologica*, **2008**, 194, 255-82	5.6	69
129	Rho family GTP binding proteins are involved in the regulatory volume decrease process in NIH3T3 mouse fibroblasts. *Journal of Physiology*, **2002**, 541, 779-96	3.9	69
128	Cholesterol modulates the volume-regulated anion current in Ehrlich-Lettre ascites cells via effects on Rho and F-actin. *American Journal of Physiology - Cell Physiology*, **2006**, 291, C757-71	5.4	66
127	Roles of pH in control of cell proliferation. *Acta Physiologica*, **2018**, 223, e13068	5.6	65
126	PDGFR signaling in the primary cilium regulates NHE1-dependent fibroblast migration via coordinated differential activity of MEK1/2-ERK1/2-p90RSK and AKT signaling pathways. *Journal of Cell Science*, **2013**, 126, 953-65	5.3	62
125	Cell volume regulation in epithelial physiology and cancer. *Frontiers in Physiology*, **2013**, 4, 233	4.6	61
124	Modulation of the transient receptor potential vanilloid channel TRPV4 by 4alpha-phorbol esters: a structure-activity study. *Journal of Medicinal Chemistry*, **2009**, 52, 2933-9	8.3	59
123	Prophylactic effect of citalopram in unipolar, recurrent depression: placebo-controlled study of maintenance therapy. *British Journal of Psychiatry*, **2001**, 178, 304-10	5.4	58

122	Structural dynamics and regulation of the mammalian SLC9A family of Na+/H+ exchangers. *Current Topics in Membranes*, **2014**, 73, 69-148	2.2	57
121	Osmosensory mechanisms in cellular and systemic volume regulation. *Journal of the American Society of Nephrology: JASN*, **2011**, 22, 1587-97	12.7	57
120	Mechanical stress induces release of ATP from Ehrlich ascites tumor cells. *Biochimica Et Biophysica Acta - Biomembranes*, **1999**, 1416, 271-84	3.8	57
119	The SLC9A-C Mammalian Na/H Exchanger Family: Molecules, Mechanisms, and Physiology. *Physiological Reviews*, **2019**, 99, 2015-2113	47.9	54
118	Separate swelling- and Ca2+-activated anion currents in Ehrlich ascites tumor cells. *Journal of Membrane Biology*, **1998**, 163, 97-110	2.3	54
117	Hyperosmotic stress induces Rho/Rho kinase/LIM kinase-mediated cofilin phosphorylation in tubular cells: key role in the osmotically triggered F-actin response. *American Journal of Physiology - Cell Physiology*, **2009**, 296, C463-75	5.4	53
116	Osmotic cell shrinkage activates ezrin/radixin/moesin (ERM) proteins: activation mechanisms and physiological implications. *American Journal of Physiology - Cell Physiology*, **2008**, 294, C197-212	5.4	53
115	Cell cycle-dependent activity of the volume- and Ca2+-activated anion currents in Ehrlich lettre ascites cells. *Journal of Cellular Physiology*, **2007**, 210, 831-42	7	53
114	Cell volume homeostatic mechanisms: effectors and signalling pathways. *Acta Physiologica*, **2011**, 202, 465-85	5.6	51
113	The intracellular distal tail of the Na+/H+ exchanger NHE1 is intrinsically disordered: implications for NHE1 trafficking. *Biochemistry*, **2011**, 50, 3469-80	3.2	50
112	Monocarboxylate Transporters MCT1 and MCT4 Regulate Migration and Invasion of Pancreatic Ductal Adenocarcinoma Cells. *Pancreas*, **2016**, 45, 1036-47	2.6	50
111	Disrupting Na+, HCO⁻₃-cotransporter NBCn1 (Slc4a7) delays murine breast cancer development. *Oncogene*, **2016**, 35, 2112-22	9.2	49
110	TGF-β1 regulates the expression and transcriptional activity of TAZ protein via a Smad3-independent, myocardin-related transcription factor-mediated mechanism. *Journal of Biological Chemistry*, **2017**, 292, 14902-14920	5.4	49
109	Regulation of the expression and subcellular localization of the taurine transporter TauT in mouse NIH3T3 fibroblasts. *FEBS Journal*, **2004**, 271, 4646-58		48
108	Intrinsically disordered cytoplasmic domains of two cytokine receptors mediate conserved interactions with membranes. *Biochemical Journal*, **2015**, 468, 495-506	3.8	47
107	Mechanisms of activation of NHE by cell shrinkage and by calyculin A in Ehrlich ascites tumor cells. *Journal of Membrane Biology*, **2002**, 189, 67-81	2.3	46
106	Roles of the cytoskeleton and of protein phosphorylation events in the osmotic stress response in eel intestinal epithelium. *Cellular Physiology and Biochemistry*, **2002**, 12, 163-78	3.9	45
105	Sensors and signal transduction pathways in vertebrate cell volume regulation. *Contributions To Nephrology*, **2006**, 152, 54-104	1.6	43

104	Possible interrelationship between changes in F-actin and myosin II, protein phosphorylation, and cell volume regulation in Ehrlich ascites tumor cells. *Experimental Cell Research*, **2002**, 277, 57-73	4.2	41
103	Roles of acid-extruding ion transporters in regulation of breast cancer cell growth in a 3-dimensional microenvironment. *Molecular Cancer*, **2016**, 15, 45	42.1	40
102	The net acid extruders NHE1, NBCn1 and MCT4 promote mammary tumor growth through distinct but overlapping mechanisms. *International Journal of Cancer*, **2018**, 142, 2529-2542	7.5	39
101	Structural modeling and electron paramagnetic resonance spectroscopy of the human Na+/H+ exchanger isoform 1, NHE1. *Journal of Biological Chemistry*, **2011**, 286, 634-48	5.4	39
100	Regulation of mitogen-activated protein kinase pathways by the plasma membrane Na+/H+ exchanger, NHE1. *Archives of Biochemistry and Biophysics*, **2007**, 462, 195-201	4.1	39
99	Shrinkage-induced activation of the Na+/H+ exchanger in Ehrlich ascites tumor cells: mechanisms involved in the activation and a role for the exchanger in cell volume regulation. *Journal of Membrane Biology*, **1996**, 149, 141-59	2.3	39
98	Sensors and signal transduction in the activation of cell volume regulatory ion transport systems. *Contributions To Nephrology*, **1998**, 123, 50-78	1.6	38
97	Cell swelling activates cloned Ca(2+)-activated K(+) channels: a role for the F-actin cytoskeleton. *Biochimica Et Biophysica Acta - Biomembranes*, **2003**, 1615, 115-25	3.8	37
96	Inversin/Nephrocystin-2 is required for fibroblast polarity and directional cell migration. *PLoS ONE*, **2013**, 8, e60193	3.7	37
95	MCT1 and MCT4 Expression and Lactate Flux Activity Increase During White and Brown Adipogenesis and Impact Adipocyte Metabolism. *Scientific Reports*, **2017**, 7, 13101	4.9	36
94	NHE1 inhibition by amiloride- and benzoylguanidine-type compounds. Inhibitor binding loci deduced from chimeras of NHE1 homologues with endogenous differences in inhibitor sensitivity. *Journal of Biological Chemistry*, **2007**, 282, 19716-27	5.4	36
93	Alternating pH landscapes shape epithelial cancer initiation and progression: Focus on pancreatic cancer. *BioEssays*, **2017**, 39, 1600253	4.1	35
92	The human Na(+)/H(+) exchanger 1 is a membrane scaffold protein for extracellular signal-regulated kinase 2. *BMC Biology*, **2016**, 14, 31	7.3	35
91	The Na+/H+ exchanger, NHE1, differentially regulates mitogen-activated protein kinase subfamilies after osmotic shrinkage in Ehrlich Lettre Ascites cells. *Cellular Physiology and Biochemistry*, **2007**, 20, 735-50	3.9	35
90	ErbB2 upregulates the Na+,HCO3(-)-cotransporter NBCn1/SLC4A7 in human breast cancer cells via Akt, ERK, Src, and Kruppel-like factor 4. *FASEB Journal*, **2014**, 28, 350-63	0.9	33
89	H-ras transformation sensitizes volume-activated anion channels and increases migratory activity of NIH3T3 fibroblasts. *Pflugers Archiv European Journal of Physiology*, **2008**, 455, 1055-62	4.6	33
88	The acid-base transport proteins NHE1 and NBCn1 regulate cell cycle progression in human breast cancer cells. *Cell Cycle*, **2018**, 17, 1056-1067	4.7	30
87	Molecular cloning of NHE1 from winter flounder RBCs: activation by osmotic shrinkage, cAMP, and calyculin A. *American Journal of Physiology - Cell Physiology*, **2003**, 284, C1561-76	5.4	30

86	Comparative biology of the ubiquitous Na+/H+ exchanger, NHE1: lessons from erythrocytes. *The Journal of Experimental Zoology*, **2004**, 301, 569-78		30
85	Effect of cytochalasins on F-actin and morphology of Ehrlich ascites tumor cells. *Experimental Cell Research*, **2000**, 261, 209-19	4.2	30
84	Acid-base transport in pancreatic cancer: molecular mechanisms and clinical potential. *Biochemistry and Cell Biology*, **2014**, 92, 449-59	3.6	29
83	Hyperosmotic stress regulates the distribution and stability of myocardin-related transcription factor, a key modulator of the cytoskeleton. *American Journal of Physiology - Cell Physiology*, **2013**, 304, C115-27	5.4	28
82	Roles of phospholipase A2 isoforms in swelling- and melittin-induced arachidonic acid release and taurine efflux in NIH3T3 fibroblasts. *American Journal of Physiology - Cell Physiology*, **2006**, 291, C1286-96	5.4	27
81	Heat shock protein 70 inhibits shrinkage-induced programmed cell death via mechanisms independent of effects on cell volume-regulatory membrane transport proteins. *Pflugers Archiv European Journal of Physiology*, **2004**, 449, 175-85	4.6	26
80	Propionic acid secreted from propionibacteria induces NKG2D ligand expression on human-activated T lymphocytes and cancer cells. *Journal of Immunology*, **2009**, 183, 897-906	5.3	25
79	Mechanisms of pHi regulation studied in individual neurons cultured from mouse cerebral cortex. *Journal of Neuroscience Research*, **1998**, 51, 431-41	4.4	25
78	Na,HCO-cotransporter NBCn1 (Slc4a7) accelerates ErbB2-induced breast cancer development and tumor growth in mice. *Oncogene*, **2018**, 37, 5569-5584	9.2	24
77	Induction of group VIA phospholipase A2 activity during in vitro ischemia in C2C12 myotubes is associated with changes in the level of its splice variants. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C1605-15	5.4	24
76	A unifying mechanism for cancer cell death through ion channel activation by HAMLET. *PLoS ONE*, **2013**, 8, e58578	3.7	23
75	A phosphorylation-motif for tuneable helix stabilisation in intrinsically disordered proteins - Lessons from the sodium proton exchanger 1 (NHE1). *Cellular Signalling*, **2017**, 37, 40-51	4.9	22
74	PDGFR and oncogenic mutant PDGFR D842V promote disassembly of primary cilia through a PLC and AURKA-dependent mechanism. *Journal of Cell Science*, **2015**, 128, 3543-9	5.3	21
73	O-glycan initiation directs distinct biological pathways and controls epithelial differentiation. *EMBO Reports*, **2020**, 21, e48885	6.5	21
72	Gram-scale solution-phase synthesis of selective sodium bicarbonate co-transport inhibitor S0859: in vitro efficacy studies in breast cancer cells. *ChemMedChem*, **2012**, 7, 1808-14	3.7	21
71	On the role of TRPC1 in control of Ca2+ influx, cell volume, and cell cycle. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C625-34	5.4	21
70	HL-1 mouse cardiomyocyte injury and death after simulated ischemia and reperfusion: roles of pH, Ca2+-independent phospholipase A2, and Na+/H+ exchange. *American Journal of Physiology - Cell Physiology*, **2009**, 296, C1227-42	5.4	21
69	Profibrotic epithelial phenotype: a central role for MRTF and TAZ. *Scientific Reports*, **2019**, 9, 4323	4.9	20

68	Tumor microenvironment conditions alter Akt and Na/H exchanger NHE1 expression in endothelial cells more than hypoxia alone: implications for endothelial cell function in cancer. *BMC Cancer*, **2017**, 17, 542	4.8	20
67	Monovalent ions control proliferation of Ehrlich Lettre ascites cells. *American Journal of Physiology - Cell Physiology*, **2010**, 299, C714-25	5.4	20
66	Molecular basis for the binding and selective dephosphorylation of Na/H exchanger 1 by calcineurin. *Nature Communications*, **2019**, 10, 3489	17.4	19
65	P2 receptor-mediated signal transduction in Ehrlich ascites tumor cells. *Biochimica Et Biophysica Acta - Biomembranes*, **1998**, 1374, 94-106	3.8	19
64	Constitutively active ErbB2 regulates cisplatin-induced cell death in breast cancer cells via pro- and antiapoptotic mechanisms. *Molecular Cancer Research*, **2015**, 13, 63-77	6.6	18
63	Pyrazine ring-based Na/H exchanger (NHE) inhibitors potently inhibit cancer cell growth in 3D culture, independent of NHE1. *Scientific Reports*, **2020**, 10, 5800	4.9	18
62	Myocardin-related Transcription Factor Regulates Nox4 Protein Expression: LINKING CYTOSKELETAL ORGANIZATION TO REDOX STATE. *Journal of Biological Chemistry*, **2016**, 291, 227-43	5.4	18
61	pH regulation in sensitive and multidrug resistant Ehrlich ascites tumor cells. *Cellular Physiology and Biochemistry*, **1998**, 8, 138-50	3.9	18
60	Prolactin Signaling Stimulates Invasion via Na(+)/H(+) Exchanger NHE1 in T47D Human Breast Cancer Cells. *Molecular Endocrinology*, **2016**, 30, 693-708		18
59	Effects of oxygen-glucose deprivation (OGD) on barrier properties and mRNA transcript levels of selected marker proteins in brain endothelial cells/astrocyte co-cultures. *PLoS ONE*, **2019**, 14, e0221103	3.7	17
58	Shrinkage insensitivity of NKCC1 in myosin II-depleted cytoplasts from Ehrlich ascites tumor cells. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C1854-66	5.4	17
57	Avidity within the N-terminal anchor drives α-synuclein membrane interaction and insertion. *FASEB Journal*, **2020**, 34, 7462-7482	0.9	16
56	Protein receptor-independent plasma membrane remodeling by HAMLET: a tumoricidal protein-lipid complex. *Scientific Reports*, **2015**, 5, 16432	4.9	15
55	Regulation of the Pleuronectes americanus Na+/H+ exchanger by osmotic shrinkage, beta-adrenergic stimuli, and inhibition of Ser/Thr protein phosphatases. *Cell Biochemistry and Biophysics*, **2006**, 45, 1-18	3.2	15
54	HER2-encoded mir-4728 forms a receptor-independent circuit with miR-21-5p through the non-canonical poly(A) polymerase PAPD5. *Scientific Reports*, **2016**, 6, 35664	4.9	14
53	Roles of Na+/H+ exchange in regulation of p38 mitogen-activated protein kinase activity and cell death after chemical anoxia in NIH3T3 fibroblasts. *Pflugers Archiv European Journal of Physiology*, **2007**, 454, 649-62	4.6	13
52	The glutamate transport inhibitor DL-Threo-β-Benzyloxyaspartic acid (DL-TBOA) differentially affects SN38- and oxaliplatin-induced death of drug-resistant colorectal cancer cells. *BMC Cancer*, **2015**, 15, 411	4.8	12
51	Oncogenic p95HER2 regulates Na+-HCO3- cotransporter NBCn1 mRNA stability in breast cancer cells via 3′UTR-dependent processes. *Biochemical Journal*, **2016**, 473, 4027-4044	3.8	12

50	The Na /H exchanger NHE1 localizes as clusters to cryptic lamellipodia and accelerates collective epithelial cell migration. *Journal of Physiology*, **2019**, 597, 849-867	3.9	12
49	Single point mutations of aromatic residues in transmembrane helices 5 and -6 differentially affect TRPV4 activation by 4PDD and hypotonicity: implications for the role of the pore region in regulating TRPV4 activity. *Cell Calcium*, **2014**, 55, 38-47	4	11
48	Cell volume regulation and signaling in 3T3-L1 pre-adipocytes and adipocytes: on the possible roles of caveolae, insulin receptors, FAK and ERK1/2. *Cellular Physiology and Biochemistry*, **2011**, 28, 1231-46	3.9	11
47	The Vacuolar H ATPase Subunit Negatively Regulates Migration and Invasion of Human Pancreatic Ductal Adenocarcinoma Cells. *Cells*, **2020**, 9,	7.9	10
46	Why Warburg Works: Lactate Controls Immune Evasion through GPR81. *Cell Metabolism*, **2020**, 31, 666-668	24.6	10
45	Assessment of different 3D culture systems to study tumor phenotype and chemosensitivity in pancreatic ductal adenocarcinoma. *International Journal of Oncology*, **2016**, 49, 243-52	4.4	10
44	Dynamics of Ca2+i and pHi in Ehrlich ascites tumor cells after Ca2+-mobilizing agonists or exposure to hypertonic solution. *Pflugers Archiv European Journal of Physiology*, **1998**, 436, 199-210	4.6	9
43	HER2 and p95HER2 differentially regulate miRNA expression in MCF-7 breast cancer cells and downregulate MYB proteins through miR-221/222 and miR-503. *Scientific Reports*, **2019**, 9, 3352	4.9	8
42	Hyperosmotic stress strongly potentiates serum response factor (SRF)-dependent transcriptional activity in Ehrlich Lettr Ascites cells through a mechanism involving p38 mitogen-activated protein kinase. *Journal of Cellular Physiology*, **2011**, 226, 2857-68	7	8
41	Assessing Cell Viability and Death in 3D Spheroid Cultures of Cancer Cells. *Journal of Visualized Experiments*, **2019**,	1.6	6
40	Osmotic shrinkage elicits FAK- and Src phosphorylation and Src-dependent NKCC1 activation in NIH3T3 cells. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C101-10	5.4	6
39	TGF Signaling Increases Net Acid Extrusion, Proliferation and Invasion in Panc-1 Pancreatic Cancer Cells: SMAD4 Dependence and Link to Merlin/NF2 Signaling. *Frontiers in Oncology*, **2020**, 10, 687	5.3	6
38	Annual Meeting of the International Society of Cancer Metabolism (ISCaM): Metabolic Networks in Cancer. *Frontiers in Pharmacology*, **2017**, 8, 411	5.6	6
37	The cardioprotective effect of brief acidic reperfusion after ischemia in perfused rat hearts is not mimicked by inhibition of the Na(+)/H(+) exchanger NHE1. *Cellular Physiology and Biochemistry*, **2011**, 28, 13-24	3.9	6
36	Cancer Cell Acid Adaptation Gene Expression Response Is Correlated to Tumor-Specific Tissue Expression Profiles and Patient Survival. *Cancers*, **2020**, 12,	6.6	6
35	The Interplay between Dysregulated Ion Transport and Mitochondrial Architecture as a Dangerous Liaison in Cancer. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
34	Glycosylation of solute carriers: mechanisms and functional consequences. *Pflugers Archiv European Journal of Physiology*, **2016**, 468, 159-76	4.6	5
33	Trafficking, localization and degradation of the Na,HCO co-transporter NBCn1 in kidney and breast epithelial cells. *Scientific Reports*, **2018**, 8, 7435	4.9	5

32	Yeast recombinant production of intact human membrane proteins with long intrinsically disordered intracellular regions for structural studies. *Biochimica Et Biophysica Acta - Biomembranes*, **2020**, 1862, 183272	3.8	4
31	How Reciprocal Interactions Between the Tumor Microenvironment and Ion Transport Proteins Drive Cancer Progression. *Reviews of Physiology, Biochemistry and Pharmacology*, **2020**, 1	2.9	4
30	The intracellular lipid-binding domain of human Na/H exchanger 1 forms a lipid-protein co-structure essential for activity. *Communications Biology*, **2020**, 3, 731	6.7	4
29	Multiple PLA2 isoforms regulate taurine release in NIH3T3 mouse fibroblasts. *Advances in Experimental Medicine and Biology*, **2006**, 583, 99-108	3.6	4
28	Effectors and signaling events activated by cell shrinkage in ehrlich ascites tumor cells: implications for cell proliferation and programmed cell death. *Advances in Experimental Medicine and Biology*, **2004**, 559, 169-78	3.6	2
27	A novel NHE1 from red blood cells of the winter flounder: regulation by multiple signaling pathways. *Advances in Experimental Medicine and Biology*, **2004**, 559, 89-98	3.6	2
26	Hyperosmotic stress induces Rho-Rho kinase-LIM kinase-mediated cofilin phosphorylation. *FASEB Journal*, **2007**, 21, A963	0.9	2
25	Regulation of the Na+,HCO3- cotransporter NBCn1 (SLC4A7) by a constitutively active ErbB2 receptor in MCF-7 breast cancer cells. *FASEB Journal*, **2013**, 27, 471.5	0.9	2
24	The hydroxybutyric acid (GHB) analogue NCS-382 is a substrate for both monocarboxylate transporters subtypes 1 and 4. *European Journal of Pharmaceutical Sciences*, **2020**, 143, 105203	5.1	2
23	Dynamic Na/H exchanger 1 (NHE1) - calmodulin complexes of varying stoichiometry and structure regulate Ca-dependent NHE1 activation. *ELife*, **2021**, 10,	8.9	2
22	Annual Meeting of the International Society of Cancer Metabolism (ISCaM): Metabolic Adaptations and Targets in Cancer. *Frontiers in Oncology*, **2019**, 9, 1332	5.3	2
21	Response to Schushan et al.: Two Conflicting NHE1 Model Structures: Compatibility with Experimental Data and Implications for the Transport Mechanism. *Journal of Biological Chemistry*, **2011**, 286, le10	5.4	1
20	Metabolic reprogramming by driver mutation-tumor microenvironment interplay in pancreatic cancer: new therapeutic targets. *Cancer and Metastasis Reviews*, **2021**, 1	9.6	1
19	Effects of chemical anoxia on NHE1, p38 MAPK, p53, Akt and ERM proteins in NIH3T3 fibroblasts: evidence for a role of NHE1 upstream of p38 MAPK. *FASEB Journal*, **2006**, 20, A1158	0.9	1
18	Osmotic cell shrinkage activates ezrin/radixin/moesin (ERM) proteins: Activation mechanisms and physiological implications. *FASEB Journal*, **2007**, 21, A963	0.9	1
17	3D multicellular models to study the regulation and roles of acid-base transporters in breast cancer. *Biochemical Society Transactions*, **2019**, 47, 1689-1700	5.1	1
16	Cisplatin-induced cell death in MCF-7 breast cancer cells: Roles of ErbB2 and pH regulatory ion transporters NHE1 and NBCn1. *FASEB Journal*, **2013**, 27, 727.5	0.9	1
15	pH Regulatory Transporters in Pancreatic Ductal Adenocarcinoma (PDAC). *FASEB Journal*, **2013**, 27, 730.10	0.9	1

14	Direct interaction with the Na+/H+ exchanger NHE1 regulates ERK1/2 activity. *FASEB Journal*, **2013**, 27, 730.1	0.9	1
13	Development of model systems for analysis of effects of cell-cell and cell-microenvironment interactions on pH regulatory proteins in breast cancer. *FASEB Journal*, **2013**, 27, 471.4	0.9	1
12	The Na+/H+ exchanger, NHE1, differentially regulates mitogen-activated protein kinase subfamilies after osmotic shrinkage in Ehrlich Lettre Ascites cells. *FASEB Journal*, **2007**, 21, A963	0.9	
11	NHE1 inhibition by amiloride- and benzoyl guanidine-type inhibitors: inhibitor binding loci deduced from chimeras of three NHE1 homologs with markedly different inhibitor sensitivity. *FASEB Journal* , **2007**, 21, A964	0.9	
10	Trafficking and Membrane Targeting of NBCn1 in MCF-7 Breast Cancer Cells. *FASEB Journal*, **2015**, 29, 975.7	0.9	
9	The protective effect of brief acidic cardiac reperfusion after ischemia is not mimicked by inhibition of the Na+/H+ exchanger NHE1 or of phospholipase A2-VI (PLA2-VI). *FASEB Journal*, **2011**, 25, 1097.12	0.9	
8	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. *Development (Cambridge)*, **2011**, 138, e1608-e1608	6.6	
7	Na+,HCO3−cotransport is crucial for intracellular pH control in human breast cancer. *FASEB Journal* , **2012**, 26, 882.5	0.9	
6	Development of complex model systems for analysis of cell-cell and cell-microenvironment interactions in breast cancer. *FASEB Journal*, **2012**, 26, 1064.1	0.9	
5	Regulation of the Na, HCO3-cotransporter NBCn1 (SLC4A7) by a constitutively active ErbB2 receptor in MCF-7 breast cancer cells. *FASEB Journal*, **2012**, 26, 882.6	0.9	
4	Novel potential binding partners of the C-terminal tail of the sodium bicarbonate cotransporter NBCn1. *FASEB Journal*, **2013**, 27, 730.3	0.9	
3	ERM proteins colocalize with the Na+/H+ exchanger NHE1 in MCF-7 breast cancer cell invadopodia and affect invadopodia number. *FASEB Journal*, **2013**, 27, 1145.2	0.9	
2	Regulation of cell motility by Na+/H+ exchanger NHE1: implications for cancer development. *FASEB Journal*, **2013**, 27, 1145.1	0.9	
1	Colorectal cancer cell lines made resistant to SN38-and Oxaliplatin: Roles of altered ion transporter function in resistance?. *FASEB Journal*, **2013**, 27, lb452	0.9	