Stine F Pedersen

List of Publications by Year
in descending order

162	9,352	31976 53	45317 90
papers	citations	h-index	g-index

167	167	167	9803
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physiology of Cell Volume Regulation in Vertebrates. Physiological Reviews, 2009, 89, 193-277.	28.8	1,229
2	TRP channels: An overview. Cell Calcium, 2005, 38, 233-252.	2.4	688
3	The Acidic Tumor Microenvironment as a Driver of Cancer. Annual Review of Physiology, 2020, 82, 103-126.	13.1	551
4	The cytoskeleton and cell volume regulation. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 385-399.	1.8	218
5	Temperatureâ€dependent structural changes in intrinsically disordered proteins: Formation of Î±â€'helices or loss of polyproline II?. Protein Science, 2010, 19, 1555-1564.	7.6	200
6	Physiology and pathophysiology of Na+/H+exchange and Na+-K+-2Clâ^'cotransport in the heart, brain, and blood. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1-R25.	1.8	149
7	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, 371-383.	2.8	139
8	Chapter 10 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.	2.2	135
9	Intracellular pH gradients in migrating cells. American Journal of Physiology - Cell Physiology, 2011, 300, C490-C495.	4.6	129
10	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, 1345-1371.	1.9	123
11	Transient Receptor Potential Channels in Mechanosensing and Cell Volume Regulation. Methods in Enzymology, 2007, 428, 183-207.	1.0	119
12	The SLC9A-C Mammalian Na⁺/H⁺Exchanger Family: Molecules, Mechanisms, and Physiology. Physiological Reviews, 2019, 99, 2015-2113.	28.8	119
13	Luminescent Dual Sensors Reveal Extracellular pH-Gradients and Hypoxia on Chronic Wounds That Disrupt Epidermal Repair. Theranostics, 2014, 4, 721-735.	10.0	117
14	Regulation and roles of bicarbonate transporters in cancer. Frontiers in Physiology, 2014, 5, 130.	2.8	113
15	NBCn1 and NHE1 expression and activity in Î"NErbB2 receptor-expressing MCF-7 breast cancer cells: Contributions to pHi regulation and chemotherapy resistance. Experimental Cell Research, 2010, 316, 2538-2553.	2.6	111
16	Roles of <scp>pH</scp> in control of cell proliferation. Acta Physiologica, 2018, 223, e13068.	3.8	109
17	The identification of a volumeâ€regulated anion channel: an amazing <scp>O</scp>dyssey. Acta Physiologica, 2015, 213, 868-881.	3.8	105
18	Contribution of Na⁺,HCO₃^{â^'}â€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, 1288-1299.	5.1	104

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19	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, 249-259.	2.8	102
20	The Na+/H+ exchanger NHE1, but not the Na+, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>HCO</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml: cotransporter NBCn1, regulates motility of MCF7 breast cancer cells expressing constitutively active ErbB2. Cancer Letters, 2012, 317, 172-183.	7.2	101
21	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.	9.6	101
22	Role of the F-actin Cytoskeleton in the RVD and RVI Processes in Ehrlich Ascites Tumor Cells. Experimental Cell Research, 1999, 252, 63-74.	2.6	99
23	The P2X7 receptor regulates cell survival, migration and invasion of pancreatic ductal adenocarcinoma cells. Molecular Cancer, 2015, 14, 203.	19.2	96
24	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. Journal of Cell Science, 2011, 124, 2539-2551.	2.0	95
25	ANO1 (TMEM16A) in pancreatic ductal adenocarcinoma (PDAC). Pflugers Archiv European Journal of Physiology, 2015, 467, 1495-1508.	2.8	93
26	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.	4.0	91
27	Cell volume regulation: physiology and pathophysiology. Acta Physiologica, 2008, 194, 255-282.	3.8	86
28	Activation of PLA2 isoforms by cell swelling and ischaemia/hypoxia. Acta Physiologica, 2006, 187, 75-85.	3.8	85
29	The Na+/H+ exchanger NHE1 is required for directional migration stimulated via PDGFR-Î± in the primary cilium. Journal of Cell Biology, 2009, 185, 163-176.	5.2	85
30	Cell volume regulation in epithelial physiology and cancer. Frontiers in Physiology, 2013, 4, 233.	2.8	81
31	Prophylactic effect of citalopram in unipolar, recurrent depression. British Journal of Psychiatry, 2001, 178, 304-310.	2.8	79
32	Osmosensory Mechanisms in Cellular and Systemic Volume Regulation. Journal of the American Society of Nephrology: JASN, 2011, 22, 1587-1597.	6.1	77
33	PDGFRÎ± 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.	2.0	76
34	Rho family GTP binding proteins are involved in the regulatory volume decrease process in NIH3T3 mouse fibroblasts. Journal of Physiology, 2002, 541, 779-796.	2.9	75
35	Swelling-Induced Arachidonic Acid Release via the 85-kDa cPLA₂in Human Neuroblastoma Cells. Journal of Neurophysiology, 1998, 79, 1441-1449.	1.8	73
36	Disrupting Na+,HCO3â€“-cotransporter NBCn1 (Slc4a7) delays murine breast cancer development. Oncogene, 2016, 35, 2112-2122.	5.9	73

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37	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-C771.	4.6	71
38	Structural Dynamics and Regulation of the Mammalian SLC9A Family of Na+/H+ Exchangers. Current Topics in Membranes, 2014, 73, 69-148.	0.9	71
39	Intrinsically disordered cytoplasmic domains of two cytokine receptors mediate conserved interactions with membranes. Biochemical Journal, 2015, 468, 495-506.	3.7	68
40	Modulation of the Transient Receptor Potential Vanilloid Channel TRPV4 by 4Î±-Phorbol Esters: A Structureâ^'Activity Study. Journal of Medicinal Chemistry, 2009, 52, 2933-2939.	6.4	66
41	Monocarboxylate Transporters MCT1 and MCT4 Regulate Migration and Invasion of Pancreatic Ductal Adenocarcinoma Cells. Pancreas, 2016, 45, 1036-1047.	1.1	66
42	Separate Swelling- and Ca 2+ -activated Anion Currents in Ehrlich Ascites Tumor Cells. Journal of Membrane Biology, 1998, 163, 97-110.	2.1	65
43	Cell volume homeostatic mechanisms: effectors and signalling pathways. Acta Physiologica, 2011, 202, 465-485.	3.8	65
44	MCT1 and MCT4 Expression and Lactate Flux Activity Increase During White and Brown Adipogenesis and Impact Adipocyte Metabolism. Scientific Reports, 2017, 7, 13101.	3.3	65
45	TGF-Î²1 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.	3.4	64
46	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.	5.1	63
47	Mechanical stress induces release of ATP from Ehrlich ascites tumor cells. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1416, 271-284.	2.6	61
48	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-C475.	4.6	59
49	Cell cycle-dependent activity of the volume- and Ca2+-activated anion currents in Ehrlich lettre ascites cells. Journal of Cellular Physiology, 2007, 210, 831-842.	4.1	57
50	Osmotic cell shrinkage activates ezrin/radixin/moesin (ERM) proteins: activation mechanisms and physiological implications. American Journal of Physiology - Cell Physiology, 2008, 294, C197-C212.	4.6	56
51	The Intracellular Distal Tail of the Na⁺/H⁺Exchanger NHE1 Is Intrinsically Disordered: Implications for NHE1 Trafficking. Biochemistry, 2011, 50, 3469-3480.	2.5	56
52	Regulation of the expression and subcellular localization of the taurine transporter TauT in mouse NIH3T3 fibroblasts. FEBS Journal, 2004, 271, 4646-4658.	0.2	55
53	Alternating pH landscapes shape epithelial cancer initiation and progression: Focus on pancreatic cancer. BioEssays, 2017, 39, 1600253.	2.5	53
54	Roles of acid-extruding ion transporters in regulation of breast cancer cell growth in a 3-dimensional microenvironment. Molecular Cancer, 2016, 15, 45.	19.2	52

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55	Sensors and Signal Transduction in the Activation of Cell Volume Regulatory Ion Transport Systems. , 1998, 123, 50-78.		51
56	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.	2.1	51
57	The acid-base transport proteins NHE1 and NBCn1 regulate cell cycle progression in human breast cancer cells. Cell Cycle, 2018, 17, 1056-1067.	2.6	51
58	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, 141-159.	2.1	49
59	Inversin/Nephrocystin-2 Is Required for Fibroblast Polarity and Directional Cell Migration. PLoS ONE, 2013, 8, e60193.	2.5	47
60	Roles of the Cytoskeleton and of Protein Phosphorylation Events in the Osmotic Stress Response in EEL Intestinal Epithelium. Cellular Physiology and Biochemistry, 2002, 12, 163-178.	1.6	46
61	Sensors and Signal Transduction Pathways in Vertebrate Cell Volume Regulation. , 2006, 152, 54-104.		46
62	Regulation of mitogen-activated protein kinase pathways by the plasma membrane Na+/H+ exchanger, NHE1. Archives of Biochemistry and Biophysics, 2007, 462, 195-201.	3.0	46
63	The human Na+/H+ exchanger 1 is a membrane scaffold protein for extracellular signal-regulated kinase 2. BMC Biology, 2016, 14, 31.	3.8	45
64	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.	2.6	44
65	Structural Modeling and Electron Paramagnetic Resonance Spectroscopy of the Human Na+/H+ Exchanger Isoform 1, NHE1. Journal of Biological Chemistry, 2011, 286, 634-648.	3.4	42
66	Pyrazine ring-based Na+/H+ exchanger (NHE) inhibitors potently inhibit cancer cell growth in 3D culture, independent of NHE1. Scientific Reports, 2020, 10, 5800.	3.3	42
67	NHE1 Inhibition by Amiloride- and Benzoylguanidine-type Compounds. Journal of Biological Chemistry, 2007, 282, 19716-19727.	3.4	41
68	ErbB2 upregulates the Na⁺,HCO₃^{â€}cotransporter NBCn1/SLC4A7in human breast cancer cellsviaAkt, ERK, Src, and KrÃ¼ppelâ€like factor 4. FASEB Journal, 2014, 28, 350-363.	0.5	41
69	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.	2.5	40
70	Cell swelling activates cloned Ca2+-activated K+ channels: a role for the F-actin cytoskeleton. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1615, 115-125.	2.6	39
71	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, 735-750.	1.6	39
72	Acid-base transport in pancreatic cancer: Molecular mechanisms and clinical potential. Biochemistry and Cell Biology, 2014, 92, 449-459.	2.0	38

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73	Na+,HCO3â€“-cotransporter NBCn1 (Slc4a7) accelerates ErbB2-induced breast cancer development and tumor growth in mice. Oncogene, 2018, 37, 5569-5584.	5.9	38
74	Molecular basis for the binding and selective dephosphorylation of Na+/H+ exchanger 1 by calcineurin. Nature Communications, 2019, 10, 3489.	12.8	36
75	Oâ€glycan initiation directs distinct biological pathways and controls epithelial differentiation. EMBO Reports, 2020, 21, e48885.	4.5	36
76	Comparative biology of the ubiquitous Na+/H+ exchanger, NHE1: Lessons from erythrocytes. The Journal of Experimental Zoology, 2004, 301A, 569-578.	1.4	35
77	H-ras transformation sensitizes volume-activated anion channels and increases migratory activity of NIH3T3 fibroblasts. Pflugers Archiv European Journal of Physiology, 2008, 455, 1055-1062.	2.8	35
78	Propionic Acid Secreted from Propionibacteria Induces NKG2D Ligand Expression on Human-Activated T Lymphocytes and Cancer Cells. Journal of Immunology, 2009, 183, 897-906.	0.8	35
79	A phosphorylation-motif for tuneable helix stabilisation in intrinsically disordered proteins â€“ Lessons from the sodium proton exchanger 1 (NHE1). Cellular Signalling, 2017, 37, 40-51.	3.6	34
80	Effect of Cytochalasins on F-Actin and Morphology of Ehrlich Ascites Tumor Cells. Experimental Cell Research, 2000, 261, 209-219.	2.6	33
81	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-C1576.	4.6	33
82	Assessment of different 3D culture systems to study tumor phenotype and chemosensitivity in pancreatic ductal adenocarcinoma. International Journal of Oncology, 2016, 49, 243-252.	3.3	33
83	Why Warburg Works: Lactate Controls Immune Evasion through GPR81. Cell Metabolism, 2020, 31, 666-668.	16.2	31
84	Mechanisms of pHi regulation studied in individual neurons cultured from mouse cerebral cortex. , 1998, 51, 431-441.		30
85	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-C127.	4.6	30
86	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, 175-185.	2.8	29
87	A Unifying Mechanism for Cancer Cell Death through Ion Channel Activation by HAMLET. PLoS ONE, 2013, 8, e58578.	2.5	28
88	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.	2.6	28
89	Avidity within the Nâ€terminal anchor drives Î±â€synuclein membrane interaction and insertion. FASEB Journal, 2020, 34, 7462-7482.	0.5	28
90	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-C1296.	4.6	27

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91	Gramâ€Scale Solutionâ€Phase Synthesis of Selective Sodium Bicarbonate Coâ€transport Inhibitor S0859: inâ€...vitro Efficacy Studies in Breast Cancer Cells. ChemMedChem, 2012, 7, 1808-1814.	3.2	27
92	Myocardin-related Transcription Factor Regulates Nox4 Protein Expression. Journal of Biological Chemistry, 2016, 291, 227-243.	3.4	27
93	Profibrotic epithelial phenotype: a central role for MRTF and TAZ. Scientific Reports, 2019, 9, 4323.	3.3	27
94	P2 receptor-mediated signal transduction in Ehrlich ascites tumor cells. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1374, 94-106.	2.6	24
95	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-C1615.	4.6	24
96	PDGFRÎ² and oncogenic, mutant PDGFRÎ± D842V promote disassembly of primary cilia by a PLCÎ³ and AURKA dependent mechanism. Journal of Cell Science, 2015, 128, 3543-9.	2.0	24
97	Monovalent ions control proliferation of Ehrlich Lettre ascites cells. American Journal of Physiology - Cell Physiology, 2010, 299, C714-C725.	4.6	23
98	On the role of TRPC1 in control of Ca²⁺ influx, cell volume, and cell cycle. American Journal of Physiology - Cell Physiology, 2012, 303, C625-C634.	4.6	23
99	Protein receptor-independent plasma membrane remodeling by HAMLET: a tumoricidal protein-lipid complex. Scientific Reports, 2015, 5, 16432.	3.3	23
100	Prolactin Signaling Stimulates Invasion via Na+/H+ Exchanger NHE1 in T47D Human Breast Cancer Cells. Molecular Endocrinology, 2016, 30, 693-708.	3.7	23
101	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-C1242.	4.6	22
102	Shrinkage insensitivity of NKCC1 in myosin II-depleted cytoplasts from Ehrlich ascites tumor cells. American Journal of Physiology - Cell Physiology, 2007, 292, C1854-C1866.	4.6	21
103	Constitutively Active ErbB2 Regulates Cisplatin-Induced Cell Death in Breast Cancer Cells via Pro- and Antiapoptotic Mechanisms. Molecular Cancer Research, 2015, 13, 63-77.	3.4	20
104	pH Regulation in Sensitive and Multidrug Resistant Ehrlich Ascites Tumor Cells. Cellular Physiology and Biochemistry, 1998, 8, 138-150.	1.6	19
105	Cancer Cell Acid Adaptation Gene Expression Response Is Correlated to Tumor-Specific Tissue Expression Profiles and Patient Survival. Cancers, 2020, 12, 2183.	3.7	19
106	TGFÎ² 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.	2.8	19
107	The glutamate transport inhibitor DL-Threo-Î²-Benzyloxyaspartic acid (DL-TBOA) differentially affects SN38- and oxaliplatin-induced death of drug-resistant colorectal cancer cells. BMC Cancer, 2015, 15, 411.	2.6	18
108	Regulation of the Pleuronectes americanus Na⁺/H⁺ Exchanger by Osmotic Shrinkage, Î²-Adrenergic Stimuli, and Inhibition of Ser/Thr Protein Phosphatases. Cell Biochemistry and Biophysics, 2006, 45, 1-18.	1.8	17

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109	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.	3.3	17
110	Assessing Cell Viability and Death in 3D Spheroid Cultures of Cancer Cells. Journal of Visualized Experiments, 2019, , .	0.3	17
111	The Na⁺/H⁺ exchanger NHE1 localizes as clusters to cryptic lamellipodia and accelerates collective epithelial cell migration. Journal of Physiology, 2019, 597, 849-867.	2.9	17
112	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, 649-662.	2.8	15
113	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.	3.3	15
114	The Interplay between Dysregulated Ion Transport and Mitochondrial Architecture as a Dangerous Liaison in Cancer. International Journal of Molecular Sciences, 2021, 22, 5209.	4.1	15
115	Single point mutations of aromatic residues in transmembrane helices 5 and -6 differentially affect TRPV4 activation by 4Î±-PDD and hypotonicity: Implications for the role of the pore region in regulating TRPV4 activity. Cell Calcium, 2014, 55, 38-47.	2.4	14
116	Oncogenic p95HER2 regulates Na+â€“HCO3â˜ cotransporter NBCn1 mRNA stability in breast cancer cells via 3â€²UTR-dependent processes. Biochemical Journal, 2016, 473, 4027-4044.	3.7	14
117	The Vacuolar H+ ATPase Î±3 Subunit Negatively Regulates Migration and Invasion of Human Pancreatic Ductal Adenocarcinoma Cells. Cells, 2020, 9, 465.	4.1	14
118	Dynamics of Ca 2+ i and pH i in Ehrlich ascites tumor cells after Ca 2+ -mobilizing agonists or exposure to hypertonic solution. Pflugers Archiv European Journal of Physiology, 1998, 436, 199-210.	2.8	13
119	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, 1231-1246.	1.6	13
120	Glycosylation of solute carriers: mechanisms and functional consequences. Pflugers Archiv European Journal of Physiology, 2016, 468, 159-176.	2.8	11
121	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.	4.4	11
122	Dynamic Na+/H+ exchanger 1 (NHE1) â€“ calmodulin complexes of varying stoichiometry and structure regulate Ca2+-dependent NHE1 activation. ELife, 2021, 10, .	6.0	11
123	Metabolic reprogramming by driver mutation-tumor microenvironment interplay in pancreatic cancer: new therapeutic targets. Cancer and Metastasis Reviews, 2021, 40, 1093-1114.	5.9	10
124	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.	1.6	9
125	Osmotic shrinkage elicits FAK- and Src phosphorylation and Src-dependent NKCC1 activation in NIH3T3 cells. American Journal of Physiology - Cell Physiology, 2015, 308, C101-C110.	4.6	9
126	Trafficking, localization and degradation of the Na+,HCO3â˜ co-transporter NBCn1 in kidney and breast epithelial cells. Scientific Reports, 2018, 8, 7435.	3.3	9

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127	How Reciprocal Interactions Between the Tumor Microenvironment and Ion Transport Proteins Drive Cancer Progression. Reviews of Physiology, Biochemistry and Pharmacology, 2020, , 1-38.	1.6	9
128	Hyperosmotic stress strongly potentiates serum response factor (SRF)â€dependent transcriptional activity in ehrlich lettrÃ© ascites cells through a mechanism involving p38 mitogenâ€activated protein kinase. Journal of Cellular Physiology, 2011, 226, 2857-2868.	4.1	8
129	Annual Meeting of the International Society of Cancer Metabolism (ISCaM): Metabolic Networks in Cancer. Frontiers in Pharmacology, 2017, 8, 411.	3.5	6
130	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.	2.6	6
131	Putting Warburg to work: how imaging of tumour acidosis could help predict metastatic potential in breast cancer. British Journal of Cancer, 2021, 124, 1-2.	6.4	6
132	3D multicellular models to study the regulation and roles of acidâ€“base transporters in breast cancer. Biochemical Society Transactions, 2019, 47, 1689-1700.	3.4	5
133	A Novel NHE1 from Red Blood Cells of the Winter Flounder. , 2004, 559, 89-98.		4
134	The Î³-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.	4.0	4
135	Multiple PLA2 Isoforms Regulate Taurine Release in NIH3T3 Mouse Fibroblasts. , 2006, 583, 99-108.		4
136	Effectors and Signaling Events Activated by Cell Shrinkage in Ehrlich Ascites Tumor Cells. , 2004, 559, 169-178.		3
137	Annual Meeting of the International Society of Cancer Metabolism (ISCaM): Metabolic Adaptations and Targets in Cancer. Frontiers in Oncology, 2019, 9, 1332.	2.8	2
138	The Voltage-Gated Sodium Channel Beta4 Subunit Maintains Epithelial Phenotype in Mammary Cells. Cells, 2021, 10, 1624.	4.1	2
139	Hyperosmotic stress induces Rhoâ€Rho kinaseâ€LIM kinaseâ€mediated cofilin phosphorylation. FASEB Journal, 2007, 21, A963.	0.5	2
140	Regulation of the Na+,HCO3â€cotransporter NBCn1 (SLC4A7) by a constitutively active ErbB2 receptor in MCFâ€7 breast cancer cells. FASEB Journal, 2013, 27, 471.5.	0.5	2
141	The TRPC1 Channel Forms a PI3K/CaM Complex and Regulates Pancreatic Ductal Adenocarcinoma Cell Proliferation in a Ca2+-Independent Manner. International Journal of Molecular Sciences, 2022, 23, 7923.	4.1	2
142	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.	3.4	1
143	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.	0.5	1
144	Osmotic cell shrinkage activates ezrin/radixin/moesin (ERM) proteins: Activation mechanisms and physiological implications. FASEB Journal, 2007, 21, A963.	0.5	1

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145	Cisplatinâ€induced cell death in MCFâ€7 breast cancer cells: Roles of Î”NErbB2 and pH regulatory ion transporters NHE1 and NBCn1. FASEB Journal, 2013, 27, 727.5.	0.5	1
146	pH Regulatory Transporters in Pancreatic Ductal Adenocarcinoma (PDAC). FASEB Journal, 2013, 27, 730.10.	0.5	1
147	Direct interaction with the Na+/H+ exchanger NHE1 regulates ERK1/2 activity. FASEB Journal, 2013, 27, 730.1.	0.5	1
148	Development of model systems for analysis of effects of cellâ€cell and cellâ€microenvironment interactions on pH regulatory proteins in breast cancer. FASEB Journal, 2013, 27, 471.4.	0.5	1
149	C-Terminal ERK D- (and F-Like) Domains Link the Na+/H+ Exchanger NHE1 to ERK2 Phosphorylation and Regulation via Scaffolding. Biophysical Journal, 2014, 106, 426a.	0.5	0
150	The Na+/H+ exchanger, NHE1, differentially regulates mitogenâ€activated protein kinase subfamilies after osmotic shrinkage in Ehrlich Lettre Ascites cells. FASEB Journal, 2007, 21, A963.	0.5	0
151	NHE1 inhibition by amilorideâ€and benzoyl guanidineâ€type inhibitors: inhibitor binding loci deduced from chimeras of three NHE1 homologs with markedly different inhibitor sensitivity. FASEB Journal, 2007, 21, A964.	0.5	0
152	The protective effect of brief acidic cardiac reperfusion after ischemia is not mimicked by inhibition of the Na + /H + exchanger NHE1 or of phospholipase A2â€VI (PLA2â€VI). FASEB Journal, 2011, 25, 1097.12.	0.5	0
153	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. Development (Cambridge), 2011, 138, e1608-e1608.	2.5	0
154	Na + ,HCO 3 â^' â€cotransport is crucial for intracellular pH control in human breast cancer. FASEB Journal, 2012, 26, 882.5.	0.5	0
155	Development of complex model systems for analysis of cellâ€cell and cellâ€microenvironment interactions in breast cancer. FASEB Journal, 2012, 26, 1064.1.	0.5	0
156	Regulation of the Na, HCO3â€cotransporter NBCn1 (SLC4A7) by a constitutively active ErbB2 receptor in MCFâ€7 breast cancer cells. FASEB Journal, 2012, 26, 882.6.	0.5	0
157	Clâ^' and K+ channels in human pancreatic ductal adenocarcinoma (PDAC) cells. FASEB Journal, 2013, 27, .	0.5	0
158	Novel potential binding partners of the Câ€terminal tail of the sodium bicarbonate cotransporter NBCn1. FASEB Journal, 2013, 27, 730.3.	0.5	0
159	ERM proteins colocalize with the Na+/H+ exchanger NHE1 in MCFâ€7 breast cancer cell invadopodia and affect invadopodia number. FASEB Journal, 2013, 27, 1145.2.	0.5	0
160	Regulation of cell motility by Na+/H+ exchanger NHE1: implications for cancer development. FASEB Journal, 2013, 27, 1145.1.	0.5	0
161	Colorectal cancer cell lines made resistant to SN38â€and Oxaliplatin: Roles of altered ion transporter function in resistance?. FASEB Journal, 2013, 27, lb452.	0.5	0
162	Trafficking and Membrane Targeting of NBCn1 in MCFâ€7 Breast Cancer Cells. FASEB Journal, 2015, 29, 975.7.	0.5	0