

Stine F Pedersen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Metabolic reprogramming by driver mutation-tumor microenvironment interplay in pancreatic cancer: new therapeutic targets. <i>Cancer and Metastasis Reviews</i> , 2021 , 1	9.6	1
156	Dynamic Na/H exchanger 1 (NHE1) - calmodulin complexes of varying stoichiometry and structure regulate Ca-dependent NHE1 activation. <i>ELife</i> , 2021 , 10,	8.9	2
155	The Interplay between Dysregulated Ion Transport and Mitochondrial Architecture as a Dangerous Liaison in Cancer. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
154	TGF β Signaling Increases Net Acid Extrusion, Proliferation and Invasion in Panc-1 Pancreatic Cancer Cells: SMAD4 Dependence and Link to Merlin/NF2 Signaling. <i>Frontiers in Oncology</i> , 2020 , 10, 687	5.3	6
153	Yeast recombinant production of intact human membrane proteins with long intrinsically disordered intracellular regions for structural studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020 , 1862, 183272	3.8	4
152	O-glycan initiation directs distinct biological pathways and controls epithelial differentiation. <i>EMBO Reports</i> , 2020 , 21, e48885	6.5	21
151	Pyrazine ring-based Na/H exchanger (NHE) inhibitors potently inhibit cancer cell growth in 3D culture, independent of NHE1. <i>Scientific Reports</i> , 2020 , 10, 5800	4.9	18
150	The Vacuolar H ATPase β Subunit Negatively Regulates Migration and Invasion of Human Pancreatic Ductal Adenocarcinoma Cells. <i>Cells</i> , 2020 , 9,	7.9	10
149	Why Warburg Works: Lactate Controls Immune Evasion through GPR81. <i>Cell Metabolism</i> , 2020 , 31, 666-668	6.6	10
148	The Acidic Tumor Microenvironment as a Driver of Cancer. <i>Annual Review of Physiology</i> , 2020 , 82, 103-126	13.1	188
147	The γ -hydroxybutyric acid (GHB) analogue NCS-382 is a substrate for both monocarboxylate transporters subtypes 1 and 4. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 143, 105203	5.1	2
146	Cancer Cell Acid Adaptation Gene Expression Response Is Correlated to Tumor-Specific Tissue Expression Profiles and Patient Survival. <i>Cancers</i> , 2020 , 12,	6.6	6
145	How Reciprocal Interactions Between the Tumor Microenvironment and Ion Transport Proteins Drive Cancer Progression. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2020 , 1	2.9	4
144	The intracellular lipid-binding domain of human Na/H exchanger 1 forms a lipid-protein co-structure essential for activity. <i>Communications Biology</i> , 2020 , 3, 731	6.7	4
143	Avidity within the N-terminal anchor drives β synuclein membrane interaction and insertion. <i>FASEB Journal</i> , 2020 , 34, 7462-7482	0.9	16
142	The SLC9A-C Mammalian Na/H Exchanger Family: Molecules, Mechanisms, and Physiology. <i>Physiological Reviews</i> , 2019 , 99, 2015-2113	47.9	54
141	Assessing Cell Viability and Death in 3D Spheroid Cultures of Cancer Cells. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	6

140	HER2 and p95HER2 differentially regulate miRNA expression in MCF-7 breast cancer cells and downregulate MYB proteins through miR-221/222 and miR-503. <i>Scientific Reports</i> , 2019 , 9, 3352	4.9	8
139	Profibrotic epithelial phenotype: a central role for MRTF and TAZ. <i>Scientific Reports</i> , 2019 , 9, 4323	4.9	20
138	Molecular basis for the binding and selective dephosphorylation of Na/H exchanger 1 by calcineurin. <i>Nature Communications</i> , 2019 , 10, 3489	17.4	19
137	Effects of oxygen-glucose deprivation (OGD) on barrier properties and mRNA transcript levels of selected marker proteins in brain endothelial cells/astrocyte co-cultures. <i>PLoS ONE</i> , 2019 , 14, e0221103	3.7	17
136	3D multicellular models to study the regulation and roles of acid-base transporters in breast cancer. <i>Biochemical Society Transactions</i> , 2019 , 47, 1689-1700	5.1	1
135	Annual Meeting of the International Society of Cancer Metabolism (ISCaM): Metabolic Adaptations and Targets in Cancer. <i>Frontiers in Oncology</i> , 2019 , 9, 1332	5.3	2
134	The Na /H exchanger NHE1 localizes as clusters to cryptic lamellipodia and accelerates collective epithelial cell migration. <i>Journal of Physiology</i> , 2019 , 597, 849-867	3.9	12
133	The net acid extruders NHE1, NBCn1 and MCT4 promote mammary tumor growth through distinct but overlapping mechanisms. <i>International Journal of Cancer</i> , 2018 , 142, 2529-2542	7.5	39
132	Roles of pH in control of cell proliferation. <i>Acta Physiologica</i> , 2018 , 223, e13068	5.6	65
131	Trafficking, localization and degradation of the Na,HCO co-transporter NBCn1 in kidney and breast epithelial cells. <i>Scientific Reports</i> , 2018 , 8, 7435	4.9	5
130	The acid-base transport proteins NHE1 and NBCn1 regulate cell cycle progression in human breast cancer cells. <i>Cell Cycle</i> , 2018 , 17, 1056-1067	4.7	30
129	Na,HCO-cotransporter NBCn1 (Slc4a7) accelerates ErbB2-induced breast cancer development and tumor growth in mice. <i>Oncogene</i> , 2018 , 37, 5569-5584	9.2	24
128	Alternating pH landscapes shape epithelial cancer initiation and progression: Focus on pancreatic cancer. <i>BioEssays</i> , 2017 , 39, 1600253	4.1	35
127	A phosphorylation-motif for tuneable helix stabilisation in intrinsically disordered proteins - Lessons from the sodium proton exchanger 1 (NHE1). <i>Cellular Signalling</i> , 2017 , 37, 40-51	4.9	22
126	Roles of pH and the Na/H exchanger NHE1 in cancer: From cell biology and animal models to an emerging translational perspective?. <i>Seminars in Cancer Biology</i> , 2017 , 43, 5-16	12.7	71
125	MCT1 and MCT4 Expression and Lactate Flux Activity Increase During White and Brown Adipogenesis and Impact Adipocyte Metabolism. <i>Scientific Reports</i> , 2017 , 7, 13101	4.9	36
124	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. <i>BMC Cancer</i> , 2017 , 17, 542	4.8	20
123	TGF- β regulates the expression and transcriptional activity of TAZ protein via a Smad3-independent, myocardin-related transcription factor-mediated mechanism. <i>Journal of Biological Chemistry</i> , 2017 , 292, 14902-14920	5.4	49

122	Annual Meeting of the International Society of Cancer Metabolism (ISCaM): Metabolic Networks in Cancer. <i>Frontiers in Pharmacology</i> , 2017 , 8, 411	5.6	6
121	Disrupting Na ⁺ , HCO ₃ ⁻ -cotransporter NBCn1 (Slc4a7) delays murine breast cancer development. <i>Oncogene</i> , 2016 , 35, 2112-22	9.2	49
120	Assessment of different 3D culture systems to study tumor phenotype and chemosensitivity in pancreatic ductal adenocarcinoma. <i>International Journal of Oncology</i> , 2016 , 49, 243-52	4.4	10
119	Oncogenic p95HER2 regulates Na ⁺ -HCO ₃ ⁻ cotransporter NBCn1 mRNA stability in breast cancer cells via 3'UTR-dependent processes. <i>Biochemical Journal</i> , 2016 , 473, 4027-4044	3.8	12
118	Roles of acid-extruding ion transporters in regulation of breast cancer cell growth in a 3-dimensional microenvironment. <i>Molecular Cancer</i> , 2016 , 15, 45	42.1	40
117	The human Na ⁽⁺⁾ /H ⁽⁺⁾ exchanger 1 is a membrane scaffold protein for extracellular signal-regulated kinase 2. <i>BMC Biology</i> , 2016 , 14, 31	7.3	35
116	Biophysics and Physiology of the Volume-Regulated Anion Channel (VRAC)/Volume-Sensitive Outwardly Rectifying Anion Channel (VSOR). <i>Pflügers Archiv European Journal of Physiology</i> , 2016 , 468, 371-83	4.6	103
115	Glycosylation of solute carriers: mechanisms and functional consequences. <i>Pflügers Archiv European Journal of Physiology</i> , 2016 , 468, 159-76	4.6	5
114	Myocardin-related Transcription Factor Regulates Nox4 Protein Expression: LINKING CYTOSKELETAL ORGANIZATION TO REDOX STATE. <i>Journal of Biological Chemistry</i> , 2016 , 291, 227-43	5.4	18
113	Prolactin Signaling Stimulates Invasion via Na ⁽⁺⁾ /H ⁽⁺⁾ Exchanger NHE1 in T47D Human Breast Cancer Cells. <i>Molecular Endocrinology</i> , 2016 , 30, 693-708		18
112	Monocarboxylate Transporters MCT1 and MCT4 Regulate Migration and Invasion of Pancreatic Ductal Adenocarcinoma Cells. <i>Pancreas</i> , 2016 , 45, 1036-47	2.6	50
111	HER2-encoded mir-4728 forms a receptor-independent circuit with miR-21-5p through the non-canonical poly(A) polymerase PAPD5. <i>Scientific Reports</i> , 2016 , 6, 35664	4.9	14
110	The glutamate transport inhibitor DL-Threo-β-Benzyloxyaspartic acid (DL-TBOA) differentially affects SN38- and oxaliplatin-induced death of drug-resistant colorectal cancer cells. <i>BMC Cancer</i> , 2015 , 15, 411	4.8	12
109	PDGFR β and oncogenic mutant PDGFR β D842V promote disassembly of primary cilia through a PLC β and AURKA-dependent mechanism. <i>Journal of Cell Science</i> , 2015 , 128, 3543-9	5.3	21
108	Osmotic shrinkage elicits FAK- and Src phosphorylation and Src-dependent NKCC1 activation in NIH3T3 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 308, C101-10	5.4	6
107	Constitutively active ErbB2 regulates cisplatin-induced cell death in breast cancer cells via pro- and antiapoptotic mechanisms. <i>Molecular Cancer Research</i> , 2015 , 13, 63-77	6.6	18
106	Protein receptor-independent plasma membrane remodeling by HAMLET: a tumoricidal protein-lipid complex. <i>Scientific Reports</i> , 2015 , 5, 16432	4.9	15
105	The P2X7 receptor regulates cell survival, migration and invasion of pancreatic ductal adenocarcinoma cells. <i>Molecular Cancer</i> , 2015 , 14, 203	42.1	80

104	ANO1 (TMEM16A) in pancreatic ductal adenocarcinoma (PDAC). <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 1495-1508	4.6	75
103	Intrinsically disordered cytoplasmic domains of two cytokine receptors mediate conserved interactions with membranes. <i>Biochemical Journal</i> , 2015 , 468, 495-506	3.8	47
102	The identification of a volume-regulated anion channel: an amazing Odyssey. <i>Acta Physiologica</i> , 2015 , 213, 868-81	5.6	84
101	Trafficking and Membrane Targeting of NBCn1 in MCF-7 Breast Cancer Cells. <i>FASEB Journal</i> , 2015 , 29, 975.7	0.9	
100	Interactions of ion transporters and channels with cancer cell metabolism and the tumour microenvironment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130098	5.8	72
99	Single point mutations of aromatic residues in transmembrane helices 5 and -6 differentially affect TRPV4 activation by 4EPDD and hypotonicity: implications for the role of the pore region in regulating TRPV4 activity. <i>Cell Calcium</i> , 2014 , 55, 38-47	4	11
98	Luminescent dual sensors reveal extracellular pH-gradients and hypoxia on chronic wounds that disrupt epidermal repair. <i>Theranostics</i> , 2014 , 4, 721-35	12.1	91
97	Acid-base transport in pancreatic cancer: molecular mechanisms and clinical potential. <i>Biochemistry and Cell Biology</i> , 2014 , 92, 449-59	3.6	29
96	Regulation and roles of bicarbonate transporters in cancer. <i>Frontiers in Physiology</i> , 2014 , 5, 130	4.6	85
95	Structural dynamics and regulation of the mammalian SLC9A family of Na ⁺ /H ⁺ exchangers. <i>Current Topics in Membranes</i> , 2014 , 73, 69-148	2.2	57
94	ErbB2 upregulates the Na ⁺ ,HCO ₃ ⁻ -cotransporter NBCn1/SLC4A7 in human breast cancer cells via Akt, ERK, Src, and Kruppel-like factor 4. <i>FASEB Journal</i> , 2014 , 28, 350-63	0.9	33
93	Contribution of Na ⁺ ,HCO ₃ ⁻ -cotransport to cellular pH control in human breast cancer: a role for the breast cancer susceptibility locus NBCn1 (SLC4A7). <i>International Journal of Cancer</i> , 2013 , 132, 1288-99	5.5	85
92	Hyperosmotic stress regulates the distribution and stability of myocardin-related transcription factor, a key modulator of the cytoskeleton. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 304, C115-27	5.4	28
91	A unifying mechanism for cancer cell death through ion channel activation by HAMLET. <i>PLoS ONE</i> , 2013 , 8, e58578	3.7	23
90	Cell volume regulation in epithelial physiology and cancer. <i>Frontiers in Physiology</i> , 2013 , 4, 233	4.6	61
89	PDGFRβ signaling in the primary cilium regulates NHE1-dependent fibroblast migration via coordinated differential activity of MEK1/2-ERK1/2-p90RSK and AKT signaling pathways. <i>Journal of Cell Science</i> , 2013 , 126, 953-65	5.3	62
88	Inversin/Nephrocystin-2 is required for fibroblast polarity and directional cell migration. <i>PLoS ONE</i> , 2013 , 8, e60193	3.7	37
87	Cisplatin-induced cell death in MCF-7 breast cancer cells: Roles of ErbB2 and pH regulatory ion transporters NHE1 and NBCn1. <i>FASEB Journal</i> , 2013 , 27, 727.5	0.9	1

86	pH Regulatory Transporters in Pancreatic Ductal Adenocarcinoma (PDAC). <i>FASEB Journal</i> , 2013 , 27, 730.109	1
85	Regulation of the Na ⁺ ,HCO ₃ ⁻ cotransporter NBCn1 (SLC4A7) by a constitutively active ErbB2 receptor in MCF-7 breast cancer cells. <i>FASEB Journal</i> , 2013 , 27, 471.5	0.9 2
84	Novel potential binding partners of the C-terminal tail of the sodium bicarbonate cotransporter NBCn1. <i>FASEB Journal</i> , 2013 , 27, 730.3	0.9
83	ERM proteins colocalize with the Na ⁺ /H ⁺ exchanger NHE1 in MCF-7 breast cancer cell invadopodia and affect invadopodia number. <i>FASEB Journal</i> , 2013 , 27, 1145.2	0.9
82	Regulation of cell motility by Na ⁺ /H ⁺ exchanger NHE1: implications for cancer development. <i>FASEB Journal</i> , 2013 , 27, 1145.1	0.9
81	Direct interaction with the Na ⁺ /H ⁺ exchanger NHE1 regulates ERK1/2 activity. <i>FASEB Journal</i> , 2013 , 27, 730.1	0.9 1
80	Development of model systems for analysis of effects of cell-cell and cell-microenvironment interactions on pH regulatory proteins in breast cancer. <i>FASEB Journal</i> , 2013 , 27, 471.4	0.9 1
79	Colorectal cancer cell lines made resistant to SN38-and Oxaliplatin: Roles of altered ion transporter function in resistance?. <i>FASEB Journal</i> , 2013 , 27, lb452	0.9
78	The Na ⁺ /H ⁺ exchanger NHE1, but not the Na ⁺ , HCO ₃ ⁻ cotransporter NBCn1, regulates motility of MCF7 breast cancer cells expressing constitutively active ErbB2. <i>Cancer Letters</i> , 2012 , 317, 172-83	9.9 83
77	Gram-scale solution-phase synthesis of selective sodium bicarbonate co-transport inhibitor S0859: in vitro efficacy studies in breast cancer cells. <i>ChemMedChem</i> , 2012 , 7, 1808-14	3.7 21
76	On the role of TRPC1 in control of Ca ²⁺ influx, cell volume, and cell cycle. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 303, C625-34	5.4 21
75	Physiology, pharmacology and pathophysiology of the pH regulatory transport proteins NHE1 and NBCn1: similarities, differences, and implications for cancer therapy. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1345-71	3.3 103
74	Na ⁺ ,HCO ₃ ⁻ cotransport is crucial for intracellular pH control in human breast cancer. <i>FASEB Journal</i> , 2012 , 26, 882.5	0.9
73	Development of complex model systems for analysis of cell-cell and cell-microenvironment interactions in breast cancer. <i>FASEB Journal</i> , 2012 , 26, 1064.1	0.9
72	Regulation of the Na, HCO ₃ -cotransporter NBCn1 (SLC4A7) by a constitutively active ErbB2 receptor in MCF-7 breast cancer cells. <i>FASEB Journal</i> , 2012 , 26, 882.6	0.9
71	Cell volume homeostatic mechanisms: effectors and signalling pathways. <i>Acta Physiologica</i> , 2011 , 202, 465-85	5.6 51
70	The intracellular distal tail of the Na ⁺ /H ⁺ exchanger NHE1 is intrinsically disordered: implications for NHE1 trafficking. <i>Biochemistry</i> , 2011 , 50, 3469-80	3.2 50
69	Hyperosmotic stress strongly potentiates serum response factor (SRF)-dependent transcriptional activity in Ehrlich Lettr \bar{A} Ascites cells through a mechanism involving p38 mitogen-activated protein kinase. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2857-68	7 8

68	Response to Schushan et al.: Two Conflicting NHE1 Model Structures: Compatibility with Experimental Data and Implications for the Transport Mechanism. <i>Journal of Biological Chemistry</i> , 2011 , 286, 1e10	5.4	1
67	The cardioprotective effect of brief acidic reperfusion after ischemia in perfused rat hearts is not mimicked by inhibition of the Na(+)/H(+) exchanger NHE1. <i>Cellular Physiology and Biochemistry</i> , 2011 , 28, 13-24	3.9	6
66	Cell volume regulation and signaling in 3T3-L1 pre-adipocytes and adipocytes: on the possible roles of caveolae, insulin receptors, FAK and ERK1/2. <i>Cellular Physiology and Biochemistry</i> , 2011 , 28, 1231-46	3.9	11
65	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. <i>Journal of Cell Science</i> , 2011 , 124, 2539-51	5.3	87
64	Osmosensory mechanisms in cellular and systemic volume regulation. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 1587-97	12.7	57
63	Structural modeling and electron paramagnetic resonance spectroscopy of the human Na ⁺ /H ⁺ exchanger isoform 1, NHE1. <i>Journal of Biological Chemistry</i> , 2011 , 286, 634-48	5.4	39
62	Intracellular pH gradients in migrating cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C490-5	5.4	111
61	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). <i>FASEB Journal</i> , 2011 , 25, 1097.12	0.9	
60	EB1 and EB3 promote cilia biogenesis by several centrosome-related mechanisms. <i>Development (Cambridge)</i> , 2011 , 138, e1608-e1608	6.6	
59	Monovalent ions control proliferation of Ehrlich Lettre ascites cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C714-25	5.4	20
58	NBCn1 and NHE1 expression and activity in DeltaNERbB2 receptor-expressing MCF-7 breast cancer cells: contributions to pH _i regulation and chemotherapy resistance. <i>Experimental Cell Research</i> , 2010 , 316, 2538-53	4.2	94
57	Temperature-dependent structural changes in intrinsically disordered proteins: formation of alpha-helices or loss of polyproline II?. <i>Protein Science</i> , 2010 , 19, 1555-64	6.3	165
56	The Na ⁺ /H ⁺ exchanger NHE1 is required for directional migration stimulated via PDGFR-alpha in the primary cilium. <i>Journal of Cell Biology</i> , 2009 , 185, 163-76	7.3	77
55	Propionic acid secreted from propionibacteria induces NKG2D ligand expression on human-activated T lymphocytes and cancer cells. <i>Journal of Immunology</i> , 2009 , 183, 897-906	5.3	25
54	Hyperosmotic stress induces Rho/Rho kinase/LIM kinase-mediated cofilin phosphorylation in tubular cells: key role in the osmotically triggered F-actin response. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 296, C463-75	5.4	53
53	HL-1 mouse cardiomyocyte injury and death after simulated ischemia and reperfusion: roles of pH, Ca ²⁺ -independent phospholipase A2, and Na ⁺ /H ⁺ exchange. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 296, C1227-42	5.4	21
52	Modulation of the transient receptor potential vanilloid channel TRPV4 by 4alpha-phorbol esters: a structure-activity study. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 2933-9	8.3	59
51	Physiology of cell volume regulation in vertebrates. <i>Physiological Reviews</i> , 2009 , 89, 193-277	47.9	1002

50	The primary cilium coordinates signaling pathways in cell cycle control and migration during development and tissue repair. <i>Current Topics in Developmental Biology</i> , 2008 , 85, 261-301	5.3	115
49	Osmotic cell shrinkage activates ezrin/radixin/moesin (ERM) proteins: activation mechanisms and physiological implications. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C197-212	5.4	53
48	H-ras transformation sensitizes volume-activated anion channels and increases migratory activity of NIH3T3 fibroblasts. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 455, 1055-62	4.6	33
47	Cell volume regulation: physiology and pathophysiology. <i>Acta Physiologica</i> , 2008 , 194, 255-82	5.6	69
46	Cell cycle-dependent activity of the volume- and Ca ²⁺ -activated anion currents in Ehrlich lettre ascites cells. <i>Journal of Cellular Physiology</i> , 2007 , 210, 831-42	7	53
45	Roles of Na ⁺ /H ⁺ exchange in regulation of p38 mitogen-activated protein kinase activity and cell death after chemical anoxia in NIH3T3 fibroblasts. <i>Pflugers Archiv European Journal of Physiology</i> , 2007 , 454, 649-62	4.6	13
44	NHE1 inhibition by amiloride- and benzoylguanidine-type compounds. Inhibitor binding loci deduced from chimeras of NHE1 homologues with endogenous differences in inhibitor sensitivity. <i>Journal of Biological Chemistry</i> , 2007 , 282, 19716-27	5.4	36
43	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. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 293, C1605-15	5.4	24
42	Shrinkage insensitivity of NKCC1 in myosin II-depleted cytoplasts from Ehrlich ascites tumor cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C1854-66	5.4	17
41	Regulation of mitogen-activated protein kinase pathways by the plasma membrane Na ⁺ /H ⁺ exchanger, NHE1. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 462, 195-201	4.1	39
40	The Na ⁺ /H ⁺ exchanger, NHE1, differentially regulates mitogen-activated protein kinase subfamilies after osmotic shrinkage in Ehrlich Lettre Ascites cells. <i>Cellular Physiology and Biochemistry</i> , 2007 , 20, 735-50	3.9	35
39	Transient receptor potential channels in mechanosensing and cell volume regulation. <i>Methods in Enzymology</i> , 2007 , 428, 183-207	1.7	106
38	Osmotic cell shrinkage activates ezrin/radixin/moesin (ERM) proteins: Activation mechanisms and physiological implications. <i>FASEB Journal</i> , 2007 , 21, A963	0.9	1
37	The Na ⁺ /H ⁺ exchanger, NHE1, differentially regulates mitogen-activated protein kinase subfamilies after osmotic shrinkage in Ehrlich Lettre Ascites cells. <i>FASEB Journal</i> , 2007 , 21, A963	0.9	
36	NHE1 inhibition by amiloride- and benzoyl guanidine-type inhibitors: inhibitor binding loci deduced from chimeras of three NHE1 homologs with markedly different inhibitor sensitivity. <i>FASEB Journal</i> , 2007 , 21, A964	0.9	
35	Hyperosmotic stress induces Rho-Rho kinase-LIM kinase-mediated cofilin phosphorylation. <i>FASEB Journal</i> , 2007 , 21, A963	0.9	2
34	Roles of phospholipase A2 isoforms in swelling- and melittin-induced arachidonic acid release and taurine efflux in NIH3T3 fibroblasts. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C1286-96	5.4	27
33	Cholesterol modulates the volume-regulated anion current in Ehrlich-Lettre ascites cells via effects on Rho and F-actin. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C757-71	5.4	66

32	Physiology and pathophysiology of Na ⁺ /H ⁺ exchange and Na ⁺ -K ⁺ -2Cl ⁻ cotransport in the heart, brain, and blood. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R1-25	3.2	137
31	Sensors and signal transduction pathways in vertebrate cell volume regulation. <i>Contributions To Nephrology</i> , 2006 , 152, 54-104	1.6	43
30	Activation of PLA2 isoforms by cell swelling and ischaemia/hypoxia. <i>Acta Physiologica</i> , 2006 , 187, 75-85	5.6	74
29	Regulation of the <i>Pleuronectes americanus</i> Na ⁺ /H ⁺ exchanger by osmotic shrinkage, beta-adrenergic stimuli, and inhibition of Ser/Thr protein phosphatases. <i>Cell Biochemistry and Biophysics</i> , 2006 , 45, 1-18	3.2	15
28	The Na ⁺ /H ⁺ exchanger NHE1 in stress-induced signal transduction: implications for cell proliferation and cell death. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 452, 249-59	4.6	81
27	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. <i>FASEB Journal</i> , 2006 , 20, A1158	0.9	1
26	Multiple PLA2 isoforms regulate taurine release in NIH3T3 mouse fibroblasts. <i>Advances in Experimental Medicine and Biology</i> , 2006 , 583, 99-108	3.6	4
25	TRP channels: an overview. <i>Cell Calcium</i> , 2005 , 38, 233-52	4	600
24	Regulation of the expression and subcellular localization of the taurine transporter TauT in mouse NIH3T3 fibroblasts. <i>FEBS Journal</i> , 2004 , 271, 4646-58		48
23	Heat shock protein 70 inhibits shrinkage-induced programmed cell death via mechanisms independent of effects on cell volume-regulatory membrane transport proteins. <i>Pflugers Archiv European Journal of Physiology</i> , 2004 , 449, 175-85	4.6	26
22	Comparative biology of the ubiquitous Na ⁺ /H ⁺ exchanger, NHE1: lessons from erythrocytes. <i>The Journal of Experimental Zoology</i> , 2004 , 301, 569-78		30
21	Effectors and signaling events activated by cell shrinkage in ehrlich ascites tumor cells: implications for cell proliferation and programmed cell death. <i>Advances in Experimental Medicine and Biology</i> , 2004 , 559, 169-78	3.6	2
20	A novel NHE1 from red blood cells of the winter flounder: regulation by multiple signaling pathways. <i>Advances in Experimental Medicine and Biology</i> , 2004 , 559, 89-98	3.6	2
19	Molecular cloning of NHE1 from winter flounder RBCs: activation by osmotic shrinkage, cAMP, and calyculin A. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C1561-76	5.4	30
18	Cell swelling activates cloned Ca(2+)-activated K(+) channels: a role for the F-actin cytoskeleton. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1615, 115-25	3.8	37
17	Mechanisms of activation of NHE by cell shrinkage and by calyculin A in Ehrlich ascites tumor cells. <i>Journal of Membrane Biology</i> , 2002 , 189, 67-81	2.3	46
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