

Nikolay Shcheynikov

List of Publications by Year in descending order

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28
papers

2,449
citations

236925

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526287

27
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28
all docs

28
docs citations

28
times ranked

1842
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecular mechanism for aberrant CFTR-dependent HCO ₃ ⁻ transport in cystic fibrosis. EMBO Journal, 2002, 21, 5662-5672.	7.8	287
2	NaBC1 Is a Ubiquitous Electrogenic Na ⁺ -Coupled Borate Transporter Essential for Cellular Boron Homeostasis and Cell Growth and Proliferation. Molecular Cell, 2004, 16, 331-341.	9.7	279
3	The Solute Carrier 26 Family of Proteins in Epithelial Ion Transport. Physiology, 2008, 23, 104-114.	3.1	166
4	Coupling Modes and Stoichiometry of Cl ⁻ /HCO ₃ ⁻ Exchange by slc26a3 and slc26a6. Journal of General Physiology, 2006, 127, 511-524.	1.9	165
5	Slc26a6 regulates CFTR activity in vivo to determine pancreatic duct HCO ₃ ⁻ secretion: relevance to cystic fibrosis. EMBO Journal, 2006, 25, 5049-5057.	7.8	141
6	The Slc26a4 transporter functions as an electroneutral Cl ⁻ /I ⁻ /HCO ₃ ⁻ exchanger: role of Slc26a4 and Slc26a6 in Cl ⁻ and HCO ₃ ⁻ secretion and in regulation of CFTR in the parotid duct. Journal of Physiology, 2008, 586, 3813-3824.	2.9	130
7	SLC26A9 is a Cl ⁻ channel regulated by the WNK kinases. Journal of Physiology, 2007, 584, 333-345.	2.9	116
8	Diverse transport modes by the solute carrier 26 family of anion transporters. Journal of Physiology, 2009, 587, 2179-2185.	2.9	114
9	IRBIT coordinates epithelial fluid and HCO ₃ ⁻ secretion by stimulating the transporters pNBC1 and CFTR in the murine pancreatic duct. Journal of Clinical Investigation, 2009, 119, 193-202.	8.2	113
10	SLC26A7 Is a Cl ⁻ Channel Regulated by Intracellular pH. Journal of Biological Chemistry, 2005, 280, 6463-6470.	3.4	106
11	Dynamic Control of Cystic Fibrosis Transmembrane Conductance Regulator Cl ⁻ /HCO ₃ ⁻ Selectivity by External Cl ⁻ . Journal of Biological Chemistry, 2004, 279, 21857-21865.	3.4	91
12	Irbt Mediates Synergy Between Ca ²⁺ and cAMP Signaling Pathways During Epithelial Transport in Mice. Gastroenterology, 2013, 145, 232-241.	1.3	81
13	Borate Transport and Cell Growth and Proliferation: Not Only in Plants. Cell Cycle, 2005, 4, 24-26.	2.6	77
14	Convergence of IRBIT, phosphatidylinositol (4,5) bisphosphate, and WNK/SPAK kinases in regulation of the Na ⁺ -HCO ₃ ⁻ cotransporters family. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4105-4110.	7.1	69
15	Congenital Chloride-losing Diarrhea Causing Mutations in the STAS Domain Result in Misfolding and Mistrafficking of SLC26A3. Journal of Biological Chemistry, 2008, 283, 8711-8722.	3.4	60
16	SLC26A6 and NaDC-1 Transporters Interact to Regulate Oxalate and Citrate Homeostasis. Journal of the American Society of Nephrology: JASN, 2013, 24, 1617-1626.	6.1	58
17	Intracellular Cl ⁻ as a signaling ion that potently regulates Na ⁺ /HCO ₃ ⁻ transporters. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E329-37.	7.1	57
18	Determinants of coupled transport and uncoupled current by the electrogenic SLC26 transporters. Journal of General Physiology, 2011, 137, 239-251.	1.9	53

#	ARTICLE	IF	CITATIONS
19	Regulatory Interaction between CFTR and the SLC26 Transporters. Novartis Foundation Symposium, 2008, , 177-192.	1.1	52
20	Mechanism and synergism in epithelial fluid and electrolyte secretion. Pflugers Archiv European Journal of Physiology, 2014, 466, 1487-1499.	2.8	52
21	Solute Carrier Family 26 Member a2 (Slc26a2) Protein Functions as an Electroneutral SO ₄ ²⁻ /OH ⁻ /Cl ⁻ Exchanger Regulated by Extracellular Cl ⁻ . Journal of Biological Chemistry, 2012, 287, 5122-5132.	3.4	43
22	Regulatory interaction between CFTR and the SLC26 transporters. Novartis Foundation Symposium, 2006, 273, 177-86; discussion 186-92, 261-4.	1.1	31
23	Systemic Succinate Homeostasis and Local Succinate Signaling Affect Blood Pressure and Modify Risks for Calcium Oxalate Lithogenesis. Journal of the American Society of Nephrology: JASN, 2019, 30, 381-392.	6.1	30
24	IRBIT: It Is Everywhere. Neurochemical Research, 2011, 36, 1166-1174.	3.3	29
25	SLC26A7 Can function as a chloride-loading mechanism in parietal cells. Pflugers Archiv European Journal of Physiology, 2007, 454, 989-998.	2.8	26
26	Modulation of Cl ⁻ signaling and ion transport by recruitment of kinases and phosphatases mediated by the regulatory protein IRBIT. Science Signaling, 2018, 11, .	3.6	16
27	Functional characteristics of L1156F-CFTR associated with alcoholic chronic pancreatitis in Japanese. American Journal of Physiology - Renal Physiology, 2015, 309, G260-G269.	3.4	6
28	Properties and Function of the Solute Carrier 26 Family of Anion Transporters. , 2016, , 465-489.		1