

Jonathan D Lippiat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8975753/publications.pdf>

Version: 2024-02-01

41
papers

2,236
citations

257101

24
h-index

288905

40
g-index

46
all docs

46
docs citations

46
times ranked

3456
citing authors

#	ARTICLE	IF	CITATIONS
1	A genetic and physiological study of impaired glucose homeostasis control in C57BL/6J mice. <i>Diabetologia</i> , 2005, 48, 675-686.	2.9	373
2	Molecular basis of Kir6.2 mutations associated with neonatal diabetes or neonatal diabetes plus neurological features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17539-17544.	3.3	223
3	Activation of the Cl ⁺ Channel ANO1 by Localized Calcium Signals in Nociceptive Sensory Neurons Requires Coupling with the IP ₃ Receptor. <i>Science Signaling</i> , 2013, 6, ra73.	1.6	168
4	Affimer proteins are versatile and renewable affinity reagents. <i>ELife</i> , 2017, 6, .	2.8	151
5	Properties of BK Ca Channels Formed by Bicistronic Expression of hSlo β and β 1-4 Subunits in HEK293 Cells. <i>Journal of Membrane Biology</i> , 2003, 192, 141-148.	1.0	96
6	Constitutively Active TRPC Channels of Adipocytes Confer a Mechanism for Sensing Dietary Fatty Acids and Regulating Adiponectin. <i>Circulation Research</i> , 2012, 111, 191-200.	2.0	90
7	Receptor-mediated endocytosis and endosomal acidification is impaired in proximal tubule epithelial cells of Dent disease patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7014-7019.	3.3	71
8	Mutations at the Same Residue (R50) of Kir6.2 (KCNJ11) That Cause Neonatal Diabetes Produce Different Functional Effects. <i>Diabetes</i> , 2006, 55, 1705-1712.	0.3	64
9	CLC-5 and KIF3B interact to facilitate CLC-5 plasma membrane expression, endocytosis, and microtubular transport: relevance to pathophysiology of Dent's disease. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F365-F380.	1.3	56
10	ATP-dependent interaction of the cytosolic domains of the inwardly rectifying K ⁺ channel Kir6.2 revealed by fluorescence resonance energy transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 76-81.	3.3	54
11	Constitutive Endocytic Recycling and Protein Kinase C-mediated Lysosomal Degradation Control KATP Channel Surface Density. <i>Journal of Biological Chemistry</i> , 2010, 285, 5963-5973.	1.6	50
12	Characterization of Dent's disease mutations of CLC-5 reveals a correlation between functional and cell biological consequences and protein structure. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F390-F397.	1.3	47
13	Voltage-dependent charge movement associated with activation of the CLC ϵ 2Cl ⁺ /1H ⁺ exchanger. <i>FASEB Journal</i> , 2010, 24, 3696-3705.	0.2	47
14	Carrier-mediated transport of quercetin conjugates: Involvement of organic anion transporters and organic anion transporting polypeptides. <i>Biochemical Pharmacology</i> , 2012, 84, 564-570.	2.0	43
15	The changing landscape of membrane protein structural biology through developments in electron microscopy. <i>Molecular Membrane Biology</i> , 2016, 33, 12-22.	2.0	40
16	Direct endosomal acidification by the outwardly rectifying CLC ϵ Cl ⁺ /H ⁺ exchanger. <i>Journal of Physiology</i> , 2010, 588, 2033-2045.	1.3	39
17	Allosteric activation of an ion channel triggered by modification of mechanosensitive nano-pockets. <i>Nature Communications</i> , 2019, 10, 4619.	5.8	39
18	Differential patterns of inhibition of the sugar transporters GLUT2, GLUT5 and GLUT7 by flavonoids. <i>Biochemical Pharmacology</i> , 2018, 152, 11-20.	2.0	33

#	ARTICLE	IF	CITATIONS
19	Modulation of the BK channel by estrogens: examination at single channel level. <i>Molecular Membrane Biology</i> , 2006, 23, 420-429.	2.0	32
20	Whole-Cell Recording Using the Perforated Patch Clamp Technique. <i>Methods in Molecular Biology</i> , 2008, 491, 141-149.	0.4	31
21	Membrane Ion Channels and Diabetes. <i>Current Pharmaceutical Design</i> , 2006, 12, 485-501.	0.9	30
22	Mutational Analysis of CLC-5, Cofilin and CLC-4 in Patients with Dent's Disease. <i>Nephron Physiology</i> , 2009, 112, p53-p62.	1.5	30
23	Structure-Based Identification and Characterization of Inhibitors of the Epilepsy-Associated KNa1.1 (KCNT1) Potassium Channel. <i>IScience</i> , 2020, 23, 101100.	1.9	29
24	Identification of a Functionally Important Negatively Charged Residue Within the Second Catalytic Site of the SUR1 Nucleotide-Binding Domains. <i>Diabetes</i> , 2004, 53, S123-S127.	0.3	26
25	The cellular chloride channels CLIC1 and CLIC4 contribute to virus-mediated cell motility. <i>Journal of Biological Chemistry</i> , 2018, 293, 4582-4590.	1.6	21
26	Mechanism of inhibition of mouse S_{lo3} ($K_{Ca5.1}$) potassium channels by quinine, quinidine and barium. <i>British Journal of Pharmacology</i> , 2015, 172, 4355-4363.	2.7	20
27	Requirement for Chloride Channel Function during the Hepatitis C Virus Life Cycle. <i>Journal of Virology</i> , 2015, 89, 4023-4029.	1.5	20
28	Targeting KNa1.1 channels in KCNT1-associated epilepsy. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 700-713.	4.0	18
29	Kv1.3 voltage-gated potassium channels link cellular respiration to proliferation through a non-conducting mechanism. <i>Cell Death and Disease</i> , 2021, 12, 372.	2.7	16
30	Block of cloned BK Ca channels ($rSlo$) expressed in HEK 293 cells by N- methyl d - glucamine. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 436, 810-812.	1.3	15
31	Smooth muscle relaxation and activation of the large conductance Ca^{++} activated K^{+} (BK_{Ca}) channel by novel oestrogens. <i>British Journal of Pharmacology</i> , 2013, 169, 1153-1165.	2.7	14
32	TMEM16A/ANO1 calcium-activated chloride channel as a novel target for the treatment of human respiratory syncytial virus infection. <i>Thorax</i> , 2021, 76, 64-72.	2.7	13
33	Cycloalkane-modified amphiphilic polymers provide direct extraction of membrane proteins for CryoEM analysis. <i>Communications Biology</i> , 2021, 4, 1337.	2.0	13
34	Interaction of the Cytosolic Domains of the Kir6.2 Subunit of the KATP Channel Is Modulated by Sulfonylureas. <i>Diabetes</i> , 2002, 51, S377-S380.	0.3	12
35	The CLC-5 $2Cl^{-}/H^{+}$ exchange transporter in endosomal function and Dent's disease. <i>Frontiers in Physiology</i> , 2012, 3, 449.	1.3	8
36	Small molecules restore the function of mutant CLC5 associated with Dent disease. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 1319-1322.	1.6	5

#	ARTICLE	IF	CITATIONS
37	Analysing Steroid Modulation of BKCa Channels Reconstituted into Planar Lipid Bilayers. <i>Methods in Molecular Biology</i> , 2008, 491, 177-186.	0.4	5
38	A cytoplasmic Slo3 isoform is expressed in somatic tissues. <i>Molecular Biology Reports</i> , 2019, 46, 5561-5567.	1.0	3
39	Conventional Micropipette-Based Patch Clamp Techniques. <i>Methods in Molecular Biology</i> , 2013, 998, 91-107.	0.4	1
40	Protein Kinase C Regulation Of KATP Channel Recycling. <i>Biophysical Journal</i> , 2009, 96, 105a.	0.2	0
41	Alterations of CLC-5 expression, function and trafficking in Dent's disease. <i>Endocrine Abstracts</i> , 0, , 1-1.	0.0	0