Paul Linsdell

List of Publications by Year
in descending order

95 papers	3,474 citations	117625 34 h-index	155660 55 g-index
95 all docs	95 docs citations	95 times ranked	1710 citing authors

#	Article	IF	Citations
1	Functionally additive fixed positive and negative charges inÂthe CFTR channel pore control anion binding and conductance. Journal of Biological Chemistry, 2022, 298, 101659.	3.4	0
2	On the relationship between anion binding and chloride conductance in the CFTR anion channel. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183558.	2.6	6
3	Monovalent: Divalent Anion Selectivity in the CFTR Channel Pore. Cell Biochemistry and Biophysics, 2021, 79, 863-871.	1.8	1
4	Two positively charged amino acid side-chains in the inner vestibule of the CFTR channel pore play analogous roles in controlling anion binding and anion conductance. Cellular and Molecular Life Sciences, 2021, 78, 5213-5223.	5.4	2
5	Electrostatic Tuning of Anion Attraction from the Cytoplasm to the Pore of the CFTR Chloride Channel. Cell Biochemistry and Biophysics, 2020, 78, 15-22.	1.8	4
6	Contribution of the eighth transmembrane segment to the function of the CFTR chloride channel pore. Cellular and Molecular Life Sciences, 2019, 76, 2411-2423.	5.4	15
7	Functional organization of cytoplasmic portals controlling access to the cystic fibrosis transmembrane conductance regulator (CFTR) chloride channel pore. Journal of Biological Chemistry, 2018, 293, 5649-5658.	3.4	19
8	Conformational change of the extracellular parts of the CFTR protein during channel gating. Cellular and Molecular Life Sciences, 2018, 75, 3027-3038.	5.4	5
9	Cystic fibrosis transmembrane conductance regulator (CFTR): Making an ion channel out of an active transporter structure. Channels, 2018, 12, 284-290.	2.8	27
10	Contribution of a leucine residue in the first transmembrane segment to the selectivity filter region in the CFTR chloride channel. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1049-1058.	2.6	13
11	Architecture and functional properties of the CFTR channel pore. Cellular and Molecular Life Sciences, 2017, 74, 67-83.	5.4	44
12	Anion conductance selectivity mechanism of the CFTR chloride channel. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 740-747.	2.6	20
13	Structural Changes Fundamental to Gating of the Cystic Fibrosis Transmembrane Conductance Regulator Anion Channel Pore. Advances in Experimental Medicine and Biology, 2016, 925, 13-32.	1.6	8
14	Cytoplasmic pathway followed by chloride ions to enter the CFTR channel pore. Cellular and Molecular Life Sciences, 2016, 73, 1917-1925.	5.4	26
15	Functional Architecture of the Cytoplasmic Entrance to the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. Journal of Biological Chemistry, 2015, 290, 15855-15865.	3.4	36
16	Location of a permeant anion binding site in the cystic fibrosis transmembrane conductance regulator chloride channel pore. Journal of Physiological Sciences, 2015, 65, 233-241.	2.1	13
17	Metal bridges to probe membrane ion channel structure and function. Biomolecular Concepts, 2015, 6, 191-203.	2.2	14
18	Interactions between permeant and blocking anions inside the CFTR chloride channel pore. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1573-1590.	2.6	11

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19	The cystic fibrosis transmembrane conductance regulator is an extracellular chloride sensor. Pflugers Archiv European Journal of Physiology, 2015, 467, 1783-1794.	2.8	16
20	Interaction between 2 extracellular loops influences the activity of the cystic fibrosis transmembrane conductance regulator chloride channel. Biochemistry and Cell Biology, 2014, 92, 390-396.	2.0	8
21	Metal Bridges Illuminate Transmembrane Domain Movements during Gating of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. Journal of Biological Chemistry, 2014, 289, 28149-28159.	3.4	12
22	Relative contribution of different transmembrane segments to the CFTR chloride channel pore. Pflugers Archiv European Journal of Physiology, 2014, 466, 477-490.	2.8	32
23	Conformational changes opening and closing the CFTR chloride channel: Insights from cysteine scanning mutagenesis. Biochemistry and Cell Biology, 2014, 92, 481-488.	2.0	12
24	Functional architecture of the CFTR chloride channel. Molecular Membrane Biology, 2014, 31, 1-16.	2.0	46
25	State-dependent blocker interactions with the CFTR chloride channel: implications for gating the pore. Pflugers Archiv European Journal of Physiology, 2014, 466, 2243-2255.	2.8	16
26	Cystic fibrosis transmembrane conductance regulator chloride channel blockers: Pharmacological, biophysical and physiological relevance. World Journal of Biological Chemistry, 2014, 5, 26.	4.3	28
27	Alternating access to the transmembrane domain of the ATP-binding cassette protein cystic fibrosis transmembrane conductance regulator (ABCC7).. Journal of Biological Chemistry, 2012, 287, 27448.	3.4	1
28	Relative Movements of Transmembrane Regions at the Outer Mouth of the Cystic Fibrosis Transmembrane Conductance Regulator Channel Pore during Channel Gating. Journal of Biological Chemistry, 2012, 287, 32136-32146.	3.4	21
29	Alternating Access to the Transmembrane Domain of the ATP-binding Cassette Protein Cystic Fibrosis Transmembrane Conductance Regulator (ABCC7). Journal of Biological Chemistry, 2012, 287, 10156-10165.	3.4	28
30	Role of the Juxtamembrane Region of Cytoplasmic Loop 3 in the Gating and Conductance of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. Biochemistry, 2012, 51, 3971-3981.	2.5	9
31	Conformational change opening the CFTR chloride channel pore coupled to ATP-dependent gating. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 851-860.	2.6	19
32	Pseudohalide anions reveal a novel extracellular site for potentiators to increase CFTR function. British Journal of Pharmacology, 2012, 167, 1062-1075.	5.4	9
33	Tuning of CFTR Chloride Channel Function by Location of Positive Charges within the Pore. Biophysical Journal, 2012, 103, 1719-1726.	0.5	26
34	Functional arrangement of the 12th transmembrane region in the CFTR chloride channel pore based on functional investigation of a cysteine-less CFTR variant. Pflugers Archiv European Journal of Physiology, 2011, 462, 559-571.	2.8	41
35	Functional Differences in Pore Properties Between Wild-Type and Cysteine-Less Forms of the CFTR Chloride Channel. Journal of Membrane Biology, 2011, 243, 15-23.	2.1	17
36	Alignment of transmembrane regions in the cystic fibrosis transmembrane conductance regulator chloride channel pore. Journal of General Physiology, 2011, 138, 165-178.	1.9	54

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37	Regulation of CFTR chloride channel macroscopic conductance by extracellular bicarbonate. American Journal of Physiology - Cell Physiology, 2011, 300, C65-C74.	4.6	17
38	Regulation of conductance by the number of fixed positive charges in the intracellular vestibule of the CFTR chloride channel pore. Journal of General Physiology, 2010, 135, 229-245.	1.9	65
39	Changes in Accessibility of Cytoplasmic Substances to the Pore Associated with Activation of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. Journal of Biological Chemistry, 2010, 285, 32126-32140.	3.4	53
40	Regulation of wild-type and mutant KCNQ1/KCNE1 channels by tyrosine kinase. Pflugers Archiv European Journal of Physiology, 2009, 458, 471-480.	2.8	8
41	Novel Residues Lining the CFTR Chloride Channel Pore Identified by Functional Modification of Introduced Cysteines. Journal of Membrane Biology, 2009, 228, 151-164.	2.1	36
42	Mechanism of direct bicarbonate transport by the CFTR anion channel. Journal of Cystic Fibrosis, 2009, 8, 115-121.	0.7	83
43	Evidence that extracellular anions interact with a site outside the CFTR chloride channel pore to modify channel properties. Canadian Journal of Physiology and Pharmacology, 2009, 87, 387-395.	1.4	11
44	Involvement of tyrosine kinase in the hyposmotic stimulation of I Ks in guinea-pig ventricular myocytes. Pflugers Archiv European Journal of Physiology, 2008, 456, 489-500.	2.8	5
45	Identification of positive charges situated at the outer mouth of the CFTR chloride channel pore. Pflugers Archiv European Journal of Physiology, 2008, 457, 351-360.	2.8	41
46	Pharmacological separation of hEAG and hERG K+ channel function in the human mammary carcinoma cell line MCF-7. Oncology Reports, 2008, , .	2.6	9
47	State-dependent Access of Anions to the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. Journal of Biological Chemistry, 2008, 283, 6102-6109.	3.4	26
48	Identification of a Second Blocker Binding Site at the Cytoplasmic Mouth of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. Molecular Pharmacology, 2007, 71, 1360-1368.	2.3	39
49	Contribution of KCNQ1 to the regulatory volume decrease in the human mammary epithelial cell line MCF-7. American Journal of Physiology - Cell Physiology, 2007, 293, C1010-C1019.	4.6	42
50	On the Origin of Asymmetric Interactions between Permeant Anions and the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. Biophysical Journal, 2007, 92, 1241-1253.	0.5	21
51	Molecular mechanism of arachidonic acid inhibition of the CFTR chloride channel. European Journal of Pharmacology, 2007, 563, 88-91.	3.5	17
52	Direct and Indirect Effects of Mutations at the Outer Mouth of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. Journal of Membrane Biology, 2007, 216, 129-142.	2.1	26
53	Involvement of KCNQ1 K+ channels in cell volume regulation in human mammary epithelial cells. FASEB Journal, 2007, 21, A543.	0.5	0
54	Role of kinases and G-proteins in the hyposmotic stimulation of cardiac IKs. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1641-1652.	2.6	6

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55	Insensitivity of cardiac delayed-rectifier I Kr to tyrosine phosphorylation inhibitors and stimulators. British Journal of Pharmacology, 2006, 148, 724-731.	5.4	4
56	Mechanism of chloride permeation in the cystic fibrosis transmembrane conductance regulator chloride channel. Experimental Physiology, 2006, 91, 123-129.	2.0	98
57	Tyrosine kinase and phosphatase regulation of slow delayed-rectifier K+current in guinea-pig ventricular myocytes. Journal of Physiology, 2006, 573, 469-482.	2.9	25
58	Exposure to sodium butyrate leads to functional downregulation of calcium-activated potassium channels in human airway epithelial cells. Pflugers Archiv European Journal of Physiology, 2006, 453, 167-176.	2.8	9
59	Interactions between Impermeant Blocking Ions in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore: Evidence for Anion-Induced Conformational Changes. Journal of Membrane Biology, 2006, 210, 31-42.	2.1	7
60	Positive Charges at the Intracellular Mouth of the Pore Regulate Anion Conduction in the CFTR Chloride Channel. Journal of General Physiology, 2006, 128, 535-545.	1.9	73
61	Dexamethasoneâ€enhanced sodium absorption in the human mammary epithelial cell line, MCFâ€7. FASEB Journal, 2006, 20, A794.	0.5	0
62	Location of a Common Inhibitor Binding Site in the Cytoplasmic Vestibule of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. Journal of Biological Chemistry, 2005, 280, 8945-8950.	3.4	75
63	Expression of the chloride channel CLC-K in human airway epithelial cells. Canadian Journal of Physiology and Pharmacology, 2005, 83, 1123-1128.	1.4	6
64	Novel Regulation of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Channel Gating by External Chloride. Journal of Biological Chemistry, 2004, 279, 41658-41663.	3.4	40
65	Direct Comparison of the Functional Roles Played by Different Transmembrane Regions in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. Journal of Biological Chemistry, 2004, 279, 55283-55289.	3.4	62
66	Selective block of swelling-activated Clâ^' channels over cAMP-dependent Clâ^' channels in ventricular myocytes. European Journal of Pharmacology, 2004, 491, 111-120.	3.5	5
67	The patch-clamp and planar lipid bilayer techniques: powerful and versatile tools to investigate the CFTR Clâ^' channel. Journal of Cystic Fibrosis, 2004, 3, 101-108.	0.7	25
68	Maximization of the rate of chloride conduction in the CFTR channel pore by ionâ€“ion interactions. Archives of Biochemistry and Biophysics, 2004, 426, 78-82.	3.0	25
69	Coupled Movement of Permeant and Blocking Ions in the CFTR Chloride Channel Pore. Journal of Physiology, 2003, 549, 375-385.	2.9	21
70	Molecular Determinants and Role of An Anion Binding Site in the External Mouth of the CFTR Chloride Channel Pore. Journal of Physiology, 2003, 549, 387-397.	2.9	50
71	Extent of the selectivity filter conferred by the sixth transmembrane region in the CFTR chloride channel pore. Molecular Membrane Biology, 2003, 20, 45-52.	2.0	18
72	Mutation-induced Blocker Permeability and Multiion Block of the CFTR Chloride Channel Pore. Journal of General Physiology, 2003, 122, 673-687.	1.9	41

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73	Point mutations in the pore region directly or indirectly affect glibenclamide block of the CFTR chloride channel. Pflugers Archiv European Journal of Physiology, 2002, 443, 739-747.	2.8	23
74	Multiple inhibitory effects of Au(CN)2â˜'ions on cystic fibrosis transmembrane conductance regulator Clâ˜'channel currents. Journal of Physiology, 2002, 540, 29-38.	2.9	37
75	Molecular determinants of Au(CN)2â˜'binding and permeability within the cystic fibrosis transmembrane conductance regulator Clâ˜'channel pore. Journal of Physiology, 2002, 540, 39-47.	2.9	68
76	Characterization of basolateral K + channels underlying anion secretion in the human airway cell line Caluâ€3. Journal of Physiology, 2002, 538, 747-757.	2.9	84
77	Oxidant stress stimulates anion secretion from the human airway epithelial cell line caluâ€3: implications for cystic fibrosis lung disease. Journal of Physiology, 2002, 543, 201-209.	2.9	59
78	Mechanism of lonidamine inhibition of the CFTR chloride channel. British Journal of Pharmacology, 2002, 137, 928-936.	5.4	31
79	Thiocyanate as a probe of the cystic fibrosis transmembrane conductance regulator chloride channel pore. Canadian Journal of Physiology and Pharmacology, 2001, 79, 573-579.	1.4	29
80	Asymmetric Structure of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore Suggested by Mutagenesis of the Twelfth Transmembrane Regionâ€. Biochemistry, 2001, 40, 6620-6627.	2.5	39
81	Relationship between anion binding and anion permeability revealed by mutagenesis within the cystic fibrosis transmembrane conductance regulator chloride channel pore. Journal of Physiology, 2001, 531, 51-66.	2.9	81
82	Direct block of the cystic fibrosis transmembrane conductance regulator Clâ˜' channel by butyrate and phenylbutyrate. European Journal of Pharmacology, 2001, 411, 255-260.	3.5	27
83	Molecular Determinants of Anion Selectivity in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. Biophysical Journal, 2000, 78, 2973-2982.	0.5	90
84	Inhibition of cystic fibrosis transmembrane conductance regulator chloride channel currents by arachidonic acid. Canadian Journal of Physiology and Pharmacology, 2000, 78, 490-499.	1.4	35
85	Substrates of multidrug resistanceâ€associated proteins block the cystic fibrosis transmembrane conductance regulator chloride channel. British Journal of Pharmacology, 1999, 126, 1471-1477.	5.4	38
86	Non-pore lining amino acid side chains influence anion selectivity of the human CFTR Clâ˜'channel expressed in mammalian cell lines. Journal of Physiology, 1998, 512, 1-16.	2.9	69
87	Adenosine Triphosphateâ€"dependent Asymmetry of Anion Permeation in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. Journal of General Physiology, 1998, 111, 601-614.	1.9	138
88	[11] Patch-clamp studies of cystic fibrosis transmembrane conductance regulator chloride channel. Methods in Enzymology, 1998, 293, 169-194.	1.0	18
89	Glutathione permeability of CFTR. American Journal of Physiology - Cell Physiology, 1998, 275, C323-C326.	4.6	244
90	Halide Permeation in Wild-Type and Mutant Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channels. Journal of General Physiology, 1997, 110, 341-354.	1.9	104

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91	Permeability of Wild-Type and Mutant Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channels to Polyatomic Anions. Journal of General Physiology, 1997, 110, 355-364.	1.9	199
92	Multi-Ion Mechanism for Ion Permeation and Block in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. Journal of General Physiology, 1997, 110, 365-377.	1.9	83
93	Disease-associated Mutations in the Fourth Cytoplasmic Loop of Cystic Fibrosis Transmembrane Conductance Regulator Compromise Biosynthetic Processing and Chloride Channel Activity. Journal of Biological Chemistry, 1996, 271, 15139-15145.	3.4	105
94	Cytoplasmic Loop Three of Cystic Fibrosis Transmembrane Conductance Regulator Contributes to Regulation of Chloride Channel Activity. Journal of Biological Chemistry, 1996, 271, 27493-27499.	3.4	93
95	Elevation of cytosolic calcium by cholinoceptor agonists in SHâ€5Y5Y human neuroblastoma cells: estimation of the contribution of voltageâ€dependent currents. British Journal of Pharmacology, 1992, 107, 207-214.	5.4	32