

# Paul Linsdell

## List of Publications by Year in descending order

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95  
papers

3,474  
citations

117453

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155451

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docs citations

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times ranked

1710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionally additive fixed positive and negative charges in the CFTR channel pore control anion binding and conductance. <i>Journal of Biological Chemistry</i> , 2022, 298, 101659.	1.6	0
2	On the relationship between anion binding and chloride conductance in the CFTR anion channel. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183558.	1.4	6
3	Monovalent: Divalent Anion Selectivity in the CFTR Channel Pore. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 863-871.	0.9	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. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5213-5223.	2.4	2
5	Electrostatic Tuning of Anion Attraction from the Cytoplasm to the Pore of the CFTR Chloride Channel. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 15-22.	0.9	4
6	Contribution of the eighth transmembrane segment to the function of the CFTR chloride channel pore. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2411-2423.	2.4	15
7	Functional organization of cytoplasmic portals controlling access to the cystic fibrosis transmembrane conductance regulator (CFTR) chloride channel pore. <i>Journal of Biological Chemistry</i> , 2018, 293, 5649-5658.	1.6	19
8	Conformational change of the extracellular parts of the CFTR protein during channel gating. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3027-3038.	2.4	5
9	Cystic fibrosis transmembrane conductance regulator (CFTR): Making an ion channel out of an active transporter structure. <i>Channels</i> , 2018, 12, 284-290.	1.5	27
10	Contribution of a leucine residue in the first transmembrane segment to the selectivity filter region in the CFTR chloride channel. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1049-1058.	1.4	13
11	Architecture and functional properties of the CFTR channel pore. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 67-83.	2.4	44
12	Anion conductance selectivity mechanism of the CFTR chloride channel. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 740-747.	1.4	20
13	Structural Changes Fundamental to Gating of the Cystic Fibrosis Transmembrane Conductance Regulator Anion Channel Pore. <i>Advances in Experimental Medicine and Biology</i> , 2016, 925, 13-32.	0.8	8
14	Cytoplasmic pathway followed by chloride ions to enter the CFTR channel pore. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 1917-1925.	2.4	26
15	Functional Architecture of the Cytoplasmic Entrance to the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. <i>Journal of Biological Chemistry</i> , 2015, 290, 15855-15865.	1.6	36
16	Location of a permeant anion binding site in the cystic fibrosis transmembrane conductance regulator chloride channel pore. <i>Journal of Physiological Sciences</i> , 2015, 65, 233-241.	0.9	13
17	Metal bridges to probe membrane ion channel structure and function. <i>Biomolecular Concepts</i> , 2015, 6, 191-203.	1.0	14
18	Interactions between permeant and blocking anions inside the CFTR chloride channel pore. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1573-1590.	1.4	11

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19	The cystic fibrosis transmembrane conductance regulator is an extracellular chloride sensor. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 1783-1794.	1.3	16
20	Interaction between 2 extracellular loops influences the activity of the cystic fibrosis transmembrane conductance regulator chloride channel. <i>Biochemistry and Cell Biology</i> , 2014, 92, 390-396.	0.9	8
21	Metal Bridges Illuminate Transmembrane Domain Movements during Gating of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. <i>Journal of Biological Chemistry</i> , 2014, 289, 28149-28159.	1.6	12
22	Relative contribution of different transmembrane segments to the CFTR chloride channel pore. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 477-490.	1.3	32
23	Conformational changes opening and closing the CFTR chloride channel: Insights from cysteine scanning mutagenesis. <i>Biochemistry and Cell Biology</i> , 2014, 92, 481-488.	0.9	12
24	Functional architecture of the CFTR chloride channel. <i>Molecular Membrane Biology</i> , 2014, 31, 1-16.	2.0	46
25	State-dependent blocker interactions with the CFTR chloride channel: implications for gating the pore. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 2243-2255.	1.3	16
26	Cystic fibrosis transmembrane conductance regulator chloride channel blockers: Pharmacological, biophysical and physiological relevance. <i>World Journal of Biological Chemistry</i> , 2014, 5, 26.	1.7	28
27	Alternating access to the transmembrane domain of the ATP-binding cassette protein cystic fibrosis transmembrane conductance regulator (ABCC7).. <i>Journal of Biological Chemistry</i> , 2012, 287, 27448.	1.6	1
28	Relative Movements of Transmembrane Regions at the Outer Mouth of the Cystic Fibrosis Transmembrane Conductance Regulator Channel Pore during Channel Gating. <i>Journal of Biological Chemistry</i> , 2012, 287, 32136-32146.	1.6	21
29	Alternating Access to the Transmembrane Domain of the ATP-binding Cassette Protein Cystic Fibrosis Transmembrane Conductance Regulator (ABCC7). <i>Journal of Biological Chemistry</i> , 2012, 287, 10156-10165.	1.6	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. <i>Biochemistry</i> , 2012, 51, 3971-3981.	1.2	9
31	Conformational change opening the CFTR chloride channel pore coupled to ATP-dependent gating. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 851-860.	1.4	19
32	Pseudohalide anions reveal a novel extracellular site for potentiators to increase CFTR function. <i>British Journal of Pharmacology</i> , 2012, 167, 1062-1075.	2.7	9
33	Tuning of CFTR Chloride Channel Function by Location of Positive Charges within the Pore. <i>Biophysical Journal</i> , 2012, 103, 1719-1726.	0.2	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. <i>Pflugers Archiv European Journal of Physiology</i> , 2011, 462, 559-571.	1.3	41
35	Functional Differences in Pore Properties Between Wild-Type and Cysteine-Less Forms of the CFTR Chloride Channel. <i>Journal of Membrane Biology</i> , 2011, 243, 15-23.	1.0	17
36	Alignment of transmembrane regions in the cystic fibrosis transmembrane conductance regulator chloride channel pore. <i>Journal of General Physiology</i> , 2011, 138, 165-178.	0.9	54

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37	Regulation of CFTR chloride channel macroscopic conductance by extracellular bicarbonate. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C65-C74.	2.1	17
38	Regulation of conductance by the number of fixed positive charges in the intracellular vestibule of the CFTR chloride channel pore. <i>Journal of General Physiology</i> , 2010, 135, 229-245.	0.9	65
39	Changes in Accessibility of Cytoplasmic Substances to the Pore Associated with Activation of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. <i>Journal of Biological Chemistry</i> , 2010, 285, 32126-32140.	1.6	53
40	Regulation of wild-type and mutant KCNQ1/KCNE1 channels by tyrosine kinase. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 458, 471-480.	1.3	8
41	Novel Residues Lining the CFTR Chloride Channel Pore Identified by Functional Modification of Introduced Cysteines. <i>Journal of Membrane Biology</i> , 2009, 228, 151-164.	1.0	36
42	Mechanism of direct bicarbonate transport by the CFTR anion channel. <i>Journal of Cystic Fibrosis</i> , 2009, 8, 115-121.	0.3	83
43	Evidence that extracellular anions interact with a site outside the CFTR chloride channel pore to modify channel properties. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 387-395.	0.7	11
44	Involvement of tyrosine kinase in the hyposmotic stimulation of I <sub>K</sub> s in guinea-pig ventricular myocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 489-500.	1.3	5
45	Identification of positive charges situated at the outer mouth of the CFTR chloride channel pore. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 457, 351-360.	1.3	41
46	Pharmacological separation of hEAG and hERG K <sup>+</sup> channel function in the human mammary carcinoma cell line MCF-7. <i>Oncology Reports</i> , 2008, , .	1.2	9
47	State-dependent Access of Anions to the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. <i>Journal of Biological Chemistry</i> , 2008, 283, 6102-6109.	1.6	26
48	Identification of a Second Blocker Binding Site at the Cytoplasmic Mouth of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. <i>Molecular Pharmacology</i> , 2007, 71, 1360-1368.	1.0	39
49	Contribution of KCNQ1 to the regulatory volume decrease in the human mammary epithelial cell line MCF-7. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1010-C1019.	2.1	42
50	On the Origin of Asymmetric Interactions between Permeant Anions and the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. <i>Biophysical Journal</i> , 2007, 92, 1241-1253.	0.2	21
51	Molecular mechanism of arachidonic acid inhibition of the CFTR chloride channel. <i>European Journal of Pharmacology</i> , 2007, 563, 88-91.	1.7	17
52	Direct and Indirect Effects of Mutations at the Outer Mouth of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. <i>Journal of Membrane Biology</i> , 2007, 216, 129-142.	1.0	26
53	Involvement of KCNQ1 K <sup>+</sup> channels in cell volume regulation in human mammary epithelial cells. <i>FASEB Journal</i> , 2007, 21, A543.	0.2	0
54	Role of kinases and G-proteins in the hyposmotic stimulation of cardiac I <sub>K</sub> s. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 1641-1652.	1.4	6

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55	Insensitivity of cardiac delayed-rectifier I <sub>Kr</sub> to tyrosine phosphorylation inhibitors and stimulators. <i>British Journal of Pharmacology</i> , 2006, 148, 724-731.	2.7	4
56	Mechanism of chloride permeation in the cystic fibrosis transmembrane conductance regulator chloride channel. <i>Experimental Physiology</i> , 2006, 91, 123-129.	0.9	98
57	Tyrosine kinase and phosphatase regulation of slow delayed-rectifier K <sup>+</sup> current in guinea-pig ventricular myocytes. <i>Journal of Physiology</i> , 2006, 573, 469-482.	1.3	25
58	Exposure to sodium butyrate leads to functional downregulation of calcium-activated potassium channels in human airway epithelial cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2006, 453, 167-176.	1.3	9
59	Interactions between Impermeant Blocking Ions in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore: Evidence for Anion-Induced Conformational Changes. <i>Journal of Membrane Biology</i> , 2006, 210, 31-42.	1.0	7
60	Positive Charges at the Intracellular Mouth of the Pore Regulate Anion Conduction in the CFTR Chloride Channel. <i>Journal of General Physiology</i> , 2006, 128, 535-545.	0.9	73
61	Dexamethasone-enhanced sodium absorption in the human mammary epithelial cell line, MCF7. <i>FASEB Journal</i> , 2006, 20, A794.	0.2	0
62	Location of a Common Inhibitor Binding Site in the Cytoplasmic Vestibule of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. <i>Journal of Biological Chemistry</i> , 2005, 280, 8945-8950.	1.6	75
63	Expression of the chloride channel CLC-K in human airway epithelial cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 1123-1128.	0.7	6
64	Novel Regulation of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Channel Gating by External Chloride. <i>Journal of Biological Chemistry</i> , 2004, 279, 41658-41663.	1.6	40
65	Direct Comparison of the Functional Roles Played by Different Transmembrane Regions in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. <i>Journal of Biological Chemistry</i> , 2004, 279, 55283-55289.	1.6	62
66	Selective block of swelling-activated Cl <sup>-</sup> channels over cAMP-dependent Cl <sup>-</sup> channels in ventricular myocytes. <i>European Journal of Pharmacology</i> , 2004, 491, 111-120.	1.7	5
67	The patch-clamp and planar lipid bilayer techniques: powerful and versatile tools to investigate the CFTR Cl <sup>-</sup> channel. <i>Journal of Cystic Fibrosis</i> , 2004, 3, 101-108.	0.3	25
68	Maximization of the rate of chloride conduction in the CFTR channel pore by ion-ion interactions. <i>Archives of Biochemistry and Biophysics</i> , 2004, 426, 78-82.	1.4	25
69	Coupled Movement of Permeant and Blocking Ions in the CFTR Chloride Channel Pore. <i>Journal of Physiology</i> , 2003, 549, 375-385.	1.3	21
70	Molecular Determinants and Role of An Anion Binding Site in the External Mouth of the CFTR Chloride Channel Pore. <i>Journal of Physiology</i> , 2003, 549, 387-397.	1.3	50
71	Extent of the selectivity filter conferred by the sixth transmembrane region in the CFTR chloride channel pore. <i>Molecular Membrane Biology</i> , 2003, 20, 45-52.	2.0	18
72	Mutation-induced Blocker Permeability and Multiion Block of the CFTR Chloride Channel Pore. <i>Journal of General Physiology</i> , 2003, 122, 673-687.	0.9	41

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73	Point mutations in the pore region directly or indirectly affect glibenclamide block of the CFTR chloride channel. <i>Pflugers Archiv European Journal of Physiology</i> , 2002, 443, 739-747.	1.3	23
74	Multiple inhibitory effects of Au(CN) <sub>2</sub> <sup>-</sup> ions on cystic fibrosis transmembrane conductance regulator Cl <sup>-</sup> channel currents. <i>Journal of Physiology</i> , 2002, 540, 29-38.	1.3	37
75	Molecular determinants of Au(CN) <sub>2</sub> <sup>-</sup> binding and permeability within the cystic fibrosis transmembrane conductance regulator Cl <sup>-</sup> channel pore. <i>Journal of Physiology</i> , 2002, 540, 39-47.	1.3	68
76	Characterization of basolateral K <sup>+</sup> channels underlying anion secretion in the human airway cell line Calu-3. <i>Journal of Physiology</i> , 2002, 538, 747-757.	1.3	84
77	Oxidant stress stimulates anion secretion from the human airway epithelial cell line Calu-3: implications for cystic fibrosis lung disease. <i>Journal of Physiology</i> , 2002, 543, 201-209.	1.3	59
78	Mechanism of lonidamine inhibition of the CFTR chloride channel. <i>British Journal of Pharmacology</i> , 2002, 137, 928-936.	2.7	31
79	Thiocyanate as a probe of the cystic fibrosis transmembrane conductance regulator chloride channel pore. <i>Canadian Journal of Physiology and Pharmacology</i> , 2001, 79, 573-579.	0.7	29
80	Asymmetric Structure of the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore Suggested by Mutagenesis of the Twelfth Transmembrane Region. <i>Biochemistry</i> , 2001, 40, 6620-6627.	1.2	39
81	Relationship between anion binding and anion permeability revealed by mutagenesis within the cystic fibrosis transmembrane conductance regulator chloride channel pore. <i>Journal of Physiology</i> , 2001, 531, 51-66.	1.3	81
82	Direct block of the cystic fibrosis transmembrane conductance regulator Cl <sup>-</sup> channel by butyrate and phenylbutyrate. <i>European Journal of Pharmacology</i> , 2001, 411, 255-260.	1.7	27
83	Molecular Determinants of Anion Selectivity in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Pore. <i>Biophysical Journal</i> , 2000, 78, 2973-2982.	0.2	90
84	Inhibition of cystic fibrosis transmembrane conductance regulator chloride channel currents by arachidonic acid. <i>Canadian Journal of Physiology and Pharmacology</i> , 2000, 78, 490-499.	0.7	35
85	Substrates of multidrug resistance-associated proteins block the cystic fibrosis transmembrane conductance regulator chloride channel. <i>British Journal of Pharmacology</i> , 1999, 126, 1471-1477.	2.7	38
86	Non-pore lining amino acid side chains influence anion selectivity of the human CFTR Cl <sup>-</sup> channel expressed in mammalian cell lines. <i>Journal of Physiology</i> , 1998, 512, 1-16.	1.3	69
87	Adenosine Triphosphate-dependent Asymmetry of Anion Permeation in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. <i>Journal of General Physiology</i> , 1998, 111, 601-614.	0.9	138
88	[11] Patch-clamp studies of cystic fibrosis transmembrane conductance regulator chloride channel. <i>Methods in Enzymology</i> , 1998, 293, 169-194.	0.4	18
89	Glutathione permeability of CFTR. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C323-C326.	2.1	244
90	Halide Permeation in Wild-Type and Mutant Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channels. <i>Journal of General Physiology</i> , 1997, 110, 341-354.	0.9	104

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91	Permeability of Wild-Type and Mutant Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channels to Polyatomic Anions. <i>Journal of General Physiology</i> , 1997, 110, 355-364.	0.9	199
92	Multi-Ion Mechanism for Ion Permeation and Block in the Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel. <i>Journal of General Physiology</i> , 1997, 110, 365-377.	0.9	83
93	Disease-associated Mutations in the Fourth Cytoplasmic Loop of Cystic Fibrosis Transmembrane Conductance Regulator Compromise Biosynthetic Processing and Chloride Channel Activity. <i>Journal of Biological Chemistry</i> , 1996, 271, 15139-15145.	1.6	105
94	Cytoplasmic Loop Three of Cystic Fibrosis Transmembrane Conductance Regulator Contributes to Regulation of Chloride Channel Activity. <i>Journal of Biological Chemistry</i> , 1996, 271, 27493-27499.	1.6	93
95	Elevation of cytosolic calcium by cholinergic agonists in SH-SY5Y human neuroblastoma cells: estimation of the contribution of voltage-dependent currents. <i>British Journal of Pharmacology</i> , 1992, 107, 207-214.	2.7	32