Randy B Stockbridge

List of Publications by Year
in descending order

33 papers	1,586 citations	430874 18 h-index	414414 32 g-index
45 all docs	45 docs citations	45 times ranked	1528 citing authors

#	Article	IF	Citations
1	Crystal structures of bacterial small multidrug resistance transporter EmrE in complex with structurally diverse substrates. ELife, 2022, 11, .	6.0	13
2	The application of Poisson distribution statistics in ion channel reconstitution to determine oligomeric architecture. Methods in Enzymology, 2021, 652, 321-340.	1.0	8
3	Membrane Exporters of Fluoride Ion. Annual Review of Biochemistry, 2021, 90, 559-579.	11.1	28
4	The fluoride permeation pathway and anion recognition in Fluc family fluoride channels. ELife, 2021, 10, .	6.0	14
5	N-terminal Transmembrane-Helix Epitope Tag for X-ray Crystallography and Electron Microscopy of Small Membrane Proteins. Journal of Molecular Biology, 2021, 433, 166909.	4.2	13
6	Molecular Mechanisms for Bacterial Potassium Homeostasis. Journal of Molecular Biology, 2021, 433, 166968.	4.2	57
7	Inroads into Membrane Physiology through Transport Nanomachines. Journal of Molecular Biology, 2021, 433, 167101.	4.2	1
8	The structural basis of promiscuity in small multidrug resistance transporters. Nature Communications, 2020, 11, 6064.	12.8	35
9	An Interfacial Sodium Ion is an Essential Structural Feature of Fluc Family Fluoride Channels. Journal of Molecular Biology, 2020, 432, 1098-1108.	4.2	17
10	Guanidinium export is the primal function of SMR family transporters. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3060-3065.	7.1	62
11	Cork-in-Bottle Occlusion of Fluoride Ion Channels by Crystallization Chaperones. Structure, 2018, 26, 635-639.e1.	3.3	16
12	In vivo chloride concentrations surge to proteotoxic levels during acid stress. Nature Chemical Biology, 2018, 14, 1051-1058.	8.0	16
13	A clearer image of the structure and regulation of bestrophin. Journal of General Physiology, 2018, 150, 1469-1471.	1.9	1
14	A CLC-type F-/H+ antiporter in ion-swapped conformations. Nature Structural and Molecular Biology, 2018, 25, 601-606.	8.2	32
15	Mechanism of single- and double-sided inhibition of dual topology fluoride channels by synthetic monobodies. Journal of General Physiology, 2017, 149, 511-522.	1.9	14
16	Metabolism of Free Guanidine in Bacteria Is Regulated by a Widespread Riboswitch Class. Molecular Cell, 2017, 65, 220-230.	9.7	129
17	A topologically diverse family of fluoride channels. Current Opinion in Structural Biology, 2017, 45, 142-149.	5.7	18
18	Two-sided block of a dual-topology F ^{â˜’} channel. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5697-5701.	7.1	20

#	Article	IF	Citations
19	Lipid Reconstitution and Recording of Recombinant Ion Channels. Methods in Enzymology, 2015, 556, 385-404.	1.0	13
20	Crystal structures of a double-barrelled fluoride ion channel. Nature, 2015, 525, 548-551.	27.8	105
21	Fâ^ˆ'/Clâˆ' selectivity in CLCF-type Fâˆ'/H+ antiporters. Journal of General Physiology, 2014, 144, 129-136.	1.9	46
22	Proof of dual-topology architecture of Fluc Fâˆ' channels with monobody blockers. Nature Communications, 2014, 5, 5120.	12.8	47
23	Bacterial fluoride resistance, Fluc channels, and the weak acid accumulation effect. Journal of General Physiology, 2014, 144, 257-261.	1.9	71
24	Fluoride-dependent interruption of the transport cycle of a CLC Clâˆ'/H+ antiporter. Nature Chemical Biology, 2013, 9, 721-725.	8.0	39
25	A family of fluoride-specific ion channels with dual-topology architecture. ELife, 2013, 2, e01084.	6.0	110
26	Fluoride resistance and transport by riboswitch-controlled CLC antiporters. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15289-15294.	7.1	125
27	Widespread Genetic Switches and Toxicity Resistance Proteins for Fluoride. Science, 2012, 335, 233-235.	12.6	356
28	Enhancement of the Rate of Pyrophosphate Hydrolysis by Nonenzymatic Catalysts and by Inorganic Pyrophosphatase. Journal of Biological Chemistry, 2011, 286, 18538-18546.	3.4	30
29	The rate of spontaneous cleavage of the glycosidic bond of adenosine. Bioorganic Chemistry, 2010, 38, 224-228.	4.1	16
30	Impact of temperature on the time required for the establishment of primordial biochemistry, and for the evolution of enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22102-22105.	7.1	49
31	The hydrolysis of phosphate diesters in cyclohexane and acetone. Chemical Communications, 2010, 46, 4306.	4.1	11
32	The Intrinsic Reactivity of ATP and the Catalytic Proficiencies of Kinases Acting on Glucose, N-Acetylgalactosamine, and Homoserine. Journal of Biological Chemistry, 2009, 284, 22747-22757.	3.4	58
33	Phosphate Monoester Hydrolysis in Cyclohexane. Journal of the American Chemical Society, 2009, 131, 18248-18249.	13.7	15