Inga HÃ¤nelt

List of Publications by Year
in descending order

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27 papers	1,293 citations	394421 19 h-index	526287 27 g-index
34 all docs	34 docs citations	34 times ranked	1739 citing authors

#	Article	IF	Citations
1	Activation of the Unfolded Protein Response by Lipid Bilayer Stress. Molecular Cell, 2017, 67, 673-684.e8.	9.7	252
2	Unsynchronised subunit motion in single trimeric sodium-coupled aspartate transporters. Nature, 2013, 502, 119-123.	27.8	122
3	Regulation of lipid saturation without sensing membrane fluidity. Nature Communications, 2020, 11, 756.	12.8	105
4	Conformational heterogeneity of the aspartate transporter GltPh. Nature Structural and Molecular Biology, 2013, 20, 210-214.	8.2	101
5	Crystal structure of a substrate-free aspartate transporter. Nature Structural and Molecular Biology, 2013, 20, 1224-1226.	8.2	83
6	Sustained sensing in potassium homeostasis: Cyclic di-AMP controls potassium uptake by KimA at the levels of expression and activity. Journal of Biological Chemistry, 2019, 294, 9605-9614.	3.4	66
7	Structural basis of proton-coupled potassium transport in the KUP family. Nature Communications, 2020, 11, 626.	12.8	60
8	Molecular Mechanisms for Bacterial Potassium Homeostasis. Journal of Molecular Biology, 2021, 433, 166968.	4.2	57
9	Native mass spectrometry goes more native: investigation of membrane protein complexes directly from SMALPs. Chemical Communications, 2018, 54, 13702-13705.	4.1	44
10	Functional diversity of the superfamily of K+ transporters to meet various requirements. Biological Chemistry, 2015, 396, 1003-1014.	2.5	42
11	Low Affinity and Slow Na+ Binding Precedes High Affinity Aspartate Binding in the Secondary-active Transporter GltPh. Journal of Biological Chemistry, 2015, 290, 15962-15972.	3.4	42
12	ATP Binding to the KTN/RCK Subunit KtrA from the K+-uptake System KtrAB of Vibrio alginolyticus. Journal of Biological Chemistry, 2007, 282, 14018-14027.	3.4	39
13	Molecular Mechanisms of Adaptation of the Moderately Halophilic Bacterium Halobacillis halophilus to Its Environment. Life, 2013, 3, 234-243.	2.4	38
14	Cryo-EM structures of KdpFABC suggest a K+ transport mechanism via two inter-subunit half-channels. Nature Communications, 2018, 9, 4971.	12.8	38
15	Membrane Region M2C2 in Subunit KtrB of the K+ Uptake System KtrAB from Vibrio alginolyticus Forms a Flexible Gate Controlling K+ Flux. Journal of Biological Chemistry, 2010, 285, 28210-28219.	3.4	29
16	Substrate-Induced Conformational Changes in the S-Component ThiT from an Energy Coupling Factor Transporter. Structure, 2013, 21, 861-867.	3.3	29
17	Gain of Function Mutations in Membrane Region M2C2 of KtrB Open a Gate Controlling K+ Transport by the KtrAB System from Vibrio alginolyticus. Journal of Biological Chemistry, 2010, 285, 10318-10327.	3.4	27
18	Helical jackknives control the gates of the double-pore K+ uptake system KtrAB. ELife, 2017, 6, .	6.0	23

#	Article	IF	Citations
19	Two Ways To Convert a Low-Affinity Potassium Channel to High Affinity: Control of Bacillus subtilis KtrCD by Glutamate. Journal of Bacteriology, 2020, 202, .	2.2	20
20	KtrB, a member of the superfamily of K+ transporters. European Journal of Cell Biology, 2011, 90, 696-704.	3.6	19
21	How RCK domains regulate gating of K⁺ channels. Biological Chemistry, 2019, 400, 1303-1322.	2.5	14
22	A channel profile report of the unusual K+ channel KtrB. Journal of General Physiology, 2019, 151, 1357-1368.	1.9	13
23	Deciphering ion transport and ATPase coupling in the intersubunit tunnel of KdpFABC. Nature Communications, 2021, 12, 5098.	12.8	10
24	Bioenergetics of the Moderately Halophilic Bacterium Halobacillus halophilus: Composition and Regulation of the Respiratory Chain. Applied and Environmental Microbiology, 2013, 79, 3839-3846.	3.1	9
25	The Synergetic Effects of Combining Structural Biology and EPR Spectroscopy on Membrane Proteins. Crystals, 2017, 7, 117.	2.2	5
26	Glutamine synthetase 2 is not essential for biosynthesis of compatible solutes in Halobacillus halophilus. Frontiers in Microbiology, 2014, 5, 168.	3.5	2
27	Membrane Protein Solubilization and Quality Control: An Example of a Primary Active Transporter. Methods in Molecular Biology, 2020, 2127, 93-103.	0.9	1