Kamil Gotfryd

List of Publications by Year
in descending order

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Version: 2024-02-01

37 papers	1,585 citations	393982 19 h-index	315357 38 g-index
41 all docs	41 docs citations	41 times ranked	2073 citing authors

#	Article	IF	Citations
1	The role of water coordination in the pH-dependent gating of hAQP10. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183809.	1.4	3
2	The two-domain elevator-type mechanism of zinc-transporting ZIP proteins. Science Advances, 2022, 8, .	4.7	19
3	Overproduction of Human Zip (SLC39) Zinc Transporters in Saccharomyces cerevisiae for Biophysical Characterization. Cells, 2021, 10, 213.	1.8	8
4	Saccharomyces cerevisiae as a superior host for overproduction of prokaryotic integral membrane proteins. Current Research in Structural Biology, 2021, 3, 51-71.	1.1	6
5	Cyclohexyl-Î± maltoside as a highly efficient tool for membrane protein studies. Current Research in Structural Biology, 2021, 3, 85-94.	1.1	3
6	X-ray structure of LeuT in an inward-facing occluded conformation reveals mechanism of substrate release. Nature Communications, 2020, 11, 1005.	5.8	34
7	Structure of the human ClC-1 chloride channel. PLoS Biology, 2019, 17, e3000218.	2.6	66
8	Purification of Functional Human TRP Channels Recombinantly Produced in Yeast. Cells, 2019, 8, 148.	1.8	4
9	Artemin and an Artemin-Derived Peptide, Artefin, Induce Neuronal Survival, and Differentiation Through Ret and NCAM. Frontiers in Molecular Neuroscience, 2019, 12, 47.	1.4	18
10	Human adipose glycerol flux is regulated by a pH gate in AQP10. Nature Communications, 2018, 9, 4749.	5.8	90
11	Substrate-modulated unwinding of transmembrane helices in the NSS transporter LeuT. Science Advances, 2018, 4, eaar6179.	4.7	47
12	Purification and functional comparison of nine human Aquaporins produced in Saccharomyces cerevisiae for the purpose of biophysical characterization. Scientific Reports, 2017, 7, 16899.	1.6	34
13	Direct assessment of substrate binding to the Neurotransmitter:Sodium Symporter LeuT by solid state NMR. ELife, 2017, 6, .	2.8	15
14	The Environment Shapes the Inner Vestibule of LeuT. PLoS Computational Biology, 2016, 12, e1005197.	1.5	16
15	Novel Xyleneâ€Linked Maltoside Amphiphiles (XMAs) for Membrane Protein Stabilisation. Chemistry - A European Journal, 2015, 21, 10008-10013.	1.7	17
16	Deoxycholateâ€Based Glycosides (DCGs) for Membrane Protein Stabilisation. ChemBioChem, 2015, 16, 1454-1459.	1.3	5
17	Grafted biomembranes containing membrane proteins â€“ the case of the leucine transporter. Soft Matter, 2015, 11, 7707-7711.	1.2	12
18	Maltose neopentyl glycol-3 (MNG-3) analogues for membrane protein study. Analyst, The, 2015, 140, 3157-3163.	1.7	47

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19	Substrate-induced Unlocking of the Inner Gate Determines the Catalytic Efficiency of a Neurotransmitter:Sodium Symporter. Journal of Biological Chemistry, 2015, 290, 26725-26738.	1.6	32
20	Mechanism of the Association between Na+ Binding and Conformations at the Intracellular Gate in Neurotransmitter:Sodium Symporters. Journal of Biological Chemistry, 2015, 290, 13992-14003.	1.6	58
21	Structural studies of P-type ATPaseâ€“ligand complexes using an X-ray free-electron laser. IUCrJ, 2015, 2, 409-420.	1.0	20
22	Novel Tripod Amphiphiles for Membrane Protein Analysis. Chemistry - A European Journal, 2013, 19, 15645-15651.	1.7	49
23	Glucose-Neopentyl Glycol (GNG) amphiphiles for membrane protein study. Chemical Communications, 2013, 49, 2287-2289.	2.2	79
24	A C-terminal PDZ domain-binding sequence is required for striatal distribution of the dopamine transporter. Nature Communications, 2013, 4, 1580.	5.8	39
25	A virtual high-throughput screening approach to the discovery of novel inhibitors of the bacterial leucine transporter, LeuT. Molecular Membrane Biology, 2013, 30, 184-194.	2.0	3
26	A New Class of Amphiphiles Bearing Rigid Hydrophobic Groups for Solubilization and Stabilization of Membrane Proteins. Chemistry - A European Journal, 2012, 18, 9485-9490.	1.7	120
27	Inside Cover: A New Class of Amphiphiles Bearing Rigid Hydrophobic Groups for Solubilization and Stabilization of Membrane Proteins (Chem. Eur. J. 31/2012). Chemistry - A European Journal, 2012, 18, 9434-9434.	1.7	0
28	The Teratogenic Potencies of Valproic Acid Derivatives and Their Effects on Biological Endâ€points are Related to Changes in Histone Deacetylase and Erk1/2 Activities. Basic and Clinical Pharmacology and Toxicology, 2011, 109, 164-174.	1.2	11
29	A peptide derived from the CD loop-D helix region of ciliary neurotrophic factor (CNTF) induces neuronal differentiation and survival by binding to the leukemia inhibitory factor (LIF) receptor and common cytokine receptor chain gp130. European Journal of Cell Biology, 2011, 90, 990-999.	1.6	7
30	Cell type-specific anti-cancer properties of valproic acid: independent effects on HDAC activity and Erk1/2 phosphorylation. BMC Cancer, 2010, 10, 383.	1.1	23
31	Maltoseâ€“neopentyl glycol (MNG) amphiphiles for solubilization, stabilization and crystallization of membrane proteins. Nature Methods, 2010, 7, 1003-1008.	9.0	397
32	Neuroprotective properties of a novel, non-haematopoietic agonist of the erythropoietin receptor. Brain, 2010, 133, 2281-2294.	3.7	59
33	Tandem Facial Amphiphiles for Membrane Protein Stabilization. Journal of the American Chemical Society, 2010, 132, 16750-16752.	6.6	85
34	Role of Glial Cell Line-Derived Neurotrophic Factor (GDNF)â€“Neural Cell Adhesion Molecule (NCAM) Interactions in Induction of Neurite Outgrowth and Identification of a Binding Site for NCAM in the Heel Region of GDNF. Journal of Neuroscience, 2009, 29, 11360-11376.	1.7	71
35	Metallothionein and a peptide modeled after metallothionein, EmtinB, induce neuronal differentiation and survival through binding to receptors of the lowâ€density lipoprotein receptor family. Journal of Neurochemistry, 2008, 104, 21-37.	2.1	71
36	Multiple effects of pentyl-4-yn-VPA enantiomers: From toxicity to short-term memory enhancement. Neuropharmacology, 2007, 52, 764-778.	2.0	10

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37	Peritonitis-induced antitumor activity of peritoneal macrophages from uremic patients. Folia Histochemica Et Cytobiologica, 2004, 42, 147-53.	0.6	4