Kamil Gotfryd

List of Publications by Year
in descending order

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37 papers	1,585 citations	394421 19 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	2073 citing authors

#	Article	IF	Citations
1	Maltoseâ€“neopentyl glycol (MNG) amphiphiles for solubilization, stabilization and crystallization of membrane proteins. Nature Methods, 2010, 7, 1003-1008.	19.0	397
2	A New Class of Amphiphiles Bearing Rigid Hydrophobic Groups for Solubilization and Stabilization of Membrane Proteins. Chemistry - A European Journal, 2012, 18, 9485-9490.	3.3	120
3	Human adipose glycerol flux is regulated by a pH gate in AQP10. Nature Communications, 2018, 9, 4749.	12.8	90
4	Tandem Facial Amphiphiles for Membrane Protein Stabilization. Journal of the American Chemical Society, 2010, 132, 16750-16752.	13.7	85
5	Glucose-Neopentyl Glycol (GNG) amphiphiles for membrane protein study. Chemical Communications, 2013, 49, 2287-2289.	4.1	79
6	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.	3.9	71
7	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.	3.6	71
8	Structure of the human ClC-1 chloride channel. PLoS Biology, 2019, 17, e3000218.	5.6	66
9	Neuroprotective properties of a novel, non-haematopoietic agonist of the erythropoietin receptor. Brain, 2010, 133, 2281-2294.	7.6	59
10	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.	3.4	58
11	Novel Tripod Amphiphiles for Membrane Protein Analysis. Chemistry - A European Journal, 2013, 19, 15645-15651.	3.3	49
12	Maltose neopentyl glycol-3 (MNG-3) analogues for membrane protein study. Analyst, The, 2015, 140, 3157-3163.	3.5	47
13	Substrate-modulated unwinding of transmembrane helices in the NSS transporter LeuT. Science Advances, 2018, 4, eaar6179.	10.3	47
14	A C-terminal PDZ domain-binding sequence is required for striatal distribution of the dopamine transporter. Nature Communications, 2013, 4, 1580.	12.8	39
15	Purification and functional comparison of nine human Aquaporins produced in Saccharomyces cerevisiae for the purpose of biophysical characterization. Scientific Reports, 2017, 7, 16899.	3.3	34
16	X-ray structure of LeuT in an inward-facing occluded conformation reveals mechanism of substrate release. Nature Communications, 2020, 11, 1005.	12.8	34
17	Substrate-induced Unlocking of the Inner Gate Determines the Catalytic Efficiency of a Neurotransmitter:Sodium Symporter. Journal of Biological Chemistry, 2015, 290, 26725-26738.	3.4	32
18	Cell type-specific anti-cancer properties of valproic acid: independent effects on HDAC activity and Erk1/2 phosphorylation. BMC Cancer, 2010, 10, 383.	2.6	23

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19	Structural studies of P-type ATPaseâ€“ligand complexes using an X-ray free-electron laser. IUCrJ, 2015, 2, 409-420.	2.2	20
20	The two-domain elevator-type mechanism of zinc-transporting ZIP proteins. Science Advances, 2022, 8, .	10.3	19
21	Artemin and an Artemin-Derived Peptide, Artefin, Induce Neuronal Survival, and Differentiation Through Ret and NCAM. Frontiers in Molecular Neuroscience, 2019, 12, 47.	2.9	18
22	Novel Xyleneâ€Linked Maltoside Amphiphiles (XMAs) for Membrane Protein Stabilisation. Chemistry - A European Journal, 2015, 21, 10008-10013.	3.3	17
23	The Environment Shapes the Inner Vestibule of LeuT. PLoS Computational Biology, 2016, 12, e1005197.	3.2	16
24	Direct assessment of substrate binding to the Neurotransmitter:Sodium Symporter LeuT by solid state NMR. ELife, 2017, 6, .	6.0	15
25	Grafted biomembranes containing membrane proteins â€“ the case of the leucine transporter. Soft Matter, 2015, 11, 7707-7711.	2.7	12
26	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.	2.5	11
27	Multiple effects of pentyl-4-yn-VPA enantiomers: From toxicity to short-term memory enhancement. Neuropharmacology, 2007, 52, 764-778.	4.1	10
28	Overproduction of Human Zip (SLC39) Zinc Transporters in Saccharomyces cerevisiae for Biophysical Characterization. Cells, 2021, 10, 213.	4.1	8
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.	3.6	7
30	Saccharomyces cerevisiae as a superior host for overproduction of prokaryotic integral membrane proteins. Current Research in Structural Biology, 2021, 3, 51-71.	2.2	6
31	Deoxycholateâ€Based Glycosides (DCGs) for Membrane Protein Stabilisation. ChemBioChem, 2015, 16, 1454-1459.	2.6	5
32	Purification of Functional Human TRP Channels Recombinantly Produced in Yeast. Cells, 2019, 8, 148.	4.1	4
33	Peritonitis-induced antitumor activity of peritoneal macrophages from uremic patients. Folia Histochemica Et Cytobiologica, 2004, 42, 147-53.	1.5	4
34	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
35	Cyclohexyl-Î± maltoside as a highly efficient tool for membrane protein studies. Current Research in Structural Biology, 2021, 3, 85-94.	2.2	3
36	The role of water coordination in the pH-dependent gating of hAQP10. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183809.	2.6	3

#	Article	IF	Citations
37	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.	3.3	0