

Kamil Gotfryd

List of Publications by Year in descending order

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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	Maltose-neopentyl glycol (MNG) amphiphiles for solubilization, stabilization and crystallization of membrane proteins. <i>Nature Methods</i> , 2010, 7, 1003-1008.	9.0	397
2	A New Class of Amphiphiles Bearing Rigid Hydrophobic Groups for Solubilization and Stabilization of Membrane Proteins. <i>Chemistry - A European Journal</i> , 2012, 18, 9485-9490.	1.7	120
3	Human adipose glycerol flux is regulated by a pH gate in AQP10. <i>Nature Communications</i> , 2018, 9, 4749.	5.8	90
4	Tandem Facial Amphiphiles for Membrane Protein Stabilization. <i>Journal of the American Chemical Society</i> , 2010, 132, 16750-16752.	6.6	85
5	Glucose-Neopentyl Glycol (GNG) amphiphiles for membrane protein study. <i>Chemical Communications</i> , 2013, 49, 2287-2289.	2.2	79
6	Metallothionein and a peptide modeled after metallothionein, EmtinB, induce neuronal differentiation and survival through binding to receptors of the low-density lipoprotein receptor family. <i>Journal of Neurochemistry</i> , 2008, 104, 21-37.	2.1	71
7	Role of Glial Cell Line-Derived Neurotrophic Factor (GDNF)-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. <i>Journal of Neuroscience</i> , 2009, 29, 11360-11376.	1.7	71
8	Structure of the human CIC-1 chloride channel. <i>PLoS Biology</i> , 2019, 17, e3000218.	2.6	66
9	Neuroprotective properties of a novel, non-haematopoietic agonist of the erythropoietin receptor. <i>Brain</i> , 2010, 133, 2281-2294.	3.7	59
10	Mechanism of the Association between Na ⁺ Binding and Conformations at the Intracellular Gate in Neurotransmitter:Sodium Symporters. <i>Journal of Biological Chemistry</i> , 2015, 290, 13992-14003.	1.6	58
11	Novel Tripod Amphiphiles for Membrane Protein Analysis. <i>Chemistry - A European Journal</i> , 2013, 19, 15645-15651.	1.7	49
12	Maltose neopentyl glycol-3 (MNG-3) analogues for membrane protein study. <i>Analyst</i> , 2015, 140, 3157-3163.	1.7	47
13	Substrate-modulated unwinding of transmembrane helices in the NSS transporter LeuT. <i>Science Advances</i> , 2018, 4, eaar6179.	4.7	47
14	A C-terminal PDZ domain-binding sequence is required for striatal distribution of the dopamine transporter. <i>Nature Communications</i> , 2013, 4, 1580.	5.8	39
15	Purification and functional comparison of nine human Aquaporins produced in <i>Saccharomyces cerevisiae</i> for the purpose of biophysical characterization. <i>Scientific Reports</i> , 2017, 7, 16899.	1.6	34
16	X-ray structure of LeuT in an inward-facing occluded conformation reveals mechanism of substrate release. <i>Nature Communications</i> , 2020, 11, 1005.	5.8	34
17	Substrate-induced Unlocking of the Inner Gate Determines the Catalytic Efficiency of a Neurotransmitter:Sodium Symporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 26725-26738.	1.6	32
18	Cell type-specific anti-cancer properties of valproic acid: independent effects on HDAC activity and Erk1/2 phosphorylation. <i>BMC Cancer</i> , 2010, 10, 383.	1.1	23

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19	Structural studies of P-type ATPase ligand complexes using an X-ray free-electron laser. <i>IUCr</i> , 2015, 2, 409-420.	1.0	20
20	The two-domain elevator-type mechanism of zinc-transporting ZIP proteins. <i>Science Advances</i> , 2022, 8, .	4.7	19
21	Artemin and an Artemin-Derived Peptide, Artefin, Induce Neuronal Survival, and Differentiation Through Ret and NCAM. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 47.	1.4	18
22	Novel Xylene-Linked Maltoside Amphiphiles (XMAs) for Membrane Protein Stabilisation. <i>Chemistry - A European Journal</i> , 2015, 21, 10008-10013.	1.7	17
23	The Environment Shapes the Inner Vestibule of LeuT. <i>PLoS Computational Biology</i> , 2016, 12, e1005197.	1.5	16
24	Direct assessment of substrate binding to the Neurotransmitter:Sodium Symporter LeuT by solid state NMR. <i>ELife</i> , 2017, 6, .	2.8	15
25	Grafted biomembranes containing membrane proteins – the case of the leucine transporter. <i>Soft Matter</i> , 2015, 11, 7707-7711.	1.2	12
26	The Teratogenic Potencies of Valproic Acid Derivatives and Their Effects on Biological Endpoints are Related to Changes in Histone Deacetylase and Erk1/2 Activities. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 109, 164-174.	1.2	11
27	Multiple effects of pentyl-4-yn-VPA enantiomers: From toxicity to short-term memory enhancement. <i>Neuropharmacology</i> , 2007, 52, 764-778.	2.0	10
28	Overproduction of Human Zip (SLC39) Zinc Transporters in <i>Saccharomyces cerevisiae</i> for Biophysical Characterization. <i>Cells</i> , 2021, 10, 213.	1.8	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. <i>European Journal of Cell Biology</i> , 2011, 90, 990-999.	1.6	7
30	<i>Saccharomyces cerevisiae</i> as a superior host for overproduction of prokaryotic integral membrane proteins. <i>Current Research in Structural Biology</i> , 2021, 3, 51-71.	1.1	6
31	Deoxycholate-Based Glycosides (DCGs) for Membrane Protein Stabilisation. <i>ChemBioChem</i> , 2015, 16, 1454-1459.	1.3	5
32	Purification of Functional Human TRP Channels Recombinantly Produced in Yeast. <i>Cells</i> , 2019, 8, 148.	1.8	4
33	Peritonitis-induced antitumor activity of peritoneal macrophages from uremic patients. <i>Folia Histochemica Et Cytobiologica</i> , 2004, 42, 147-53.	0.6	4
34	A virtual high-throughput screening approach to the discovery of novel inhibitors of the bacterial leucine transporter, LeuT. <i>Molecular Membrane Biology</i> , 2013, 30, 184-194.	2.0	3
35	Cyclohexyl- β -maltoside as a highly efficient tool for membrane protein studies. <i>Current Research in Structural Biology</i> , 2021, 3, 85-94.	1.1	3
36	The role of water coordination in the pH-dependent gating of hAQP10. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183809.	1.4	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.	1.7	0