Adrian Goldman

List of Publications by Year
in descending order

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Version: 2024-02-01

50	1,557	643344	355658
papers	citations	15 h-index	38 g-index

52	52	52	2112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional Characterization of the Î³-Aminobutyric Acid Transporter from Mycobacterium smegmatis MC 2 155 Reveals Sodium-Driven GABA Transport. Journal of Bacteriology, 2021, 203, .	1.0	3
2	Tying up the Loose Ends: A Mathematically Knotted Protein. Frontiers in Chemistry, 2021, 9, 663241.	1.8	7
3	A novel high-throughput screen for identifying lipids that stabilise membrane proteins in detergent based solution. PLoS ONE, 2021, 16, e0254118.	1.1	16
4	Exploration of Pyrazolo[1,5â€a]pyrimidines as Membraneâ€Bound Pyrophosphatase Inhibitors. ChemMedChem, 2021, 16, 3360-3367.	1.6	3
5	Homogeneous batch micro-crystallization of proteins from ammonium sulfate. Acta Crystallographica Section D: Structural Biology, 2021, 77, 194-204.	1.1	12
6	Surface-tethered planar membranes containing the Î²-barrel assembly machinery: a platform for investigating bacterial outer membrane protein folding. Biophysical Journal, 2021, 120, 5295-5308.	0.2	4
7	Recent advances in the understanding of trimeric autotransporter adhesins. Medical Microbiology and Immunology, 2020, 209, 233-242.	2.6	23
8	Immunogenicity of trimeric autotransporter adhesins and their potential as vaccine targets. Medical Microbiology and Immunology, 2020, 209, 243-263.	2.6	10
9	Expression and purification of the extracellular domain of wild-type humanRET and the dimeric oncogenic mutant C634R. International Journal of Biological Macromolecules, 2020, 164, 1621-1630.	3.6	1
10	IMPROvER: the Integral Membrane Protein Stability Selector. Scientific Reports, 2020, 10, 15165.	1.6	7
11	Discovery of Membrane-Bound Pyrophosphatase Inhibitors Derived from an Isoxazole Fragment. ACS Medicinal Chemistry Letters, 2020, 11, 605-610.	1.3	7
12	Improving on natureâ€™s shortcomings: evolving a lipase for increased lipolytic activity, expression and thermostability. Protein Engineering, Design and Selection, 2019, 32, 13-24.	1.0	6
13	Structure of the UspA1 protein fragment from Moraxella catarrhalis responsible for C3d binding. Journal of Structural Biology, 2019, 208, 77-85.	1.3	2
14	Evolving a lipase for hydrolysis of natural triglycerides along with enhanced tolerance towards a protease and surfactants. Protein Engineering, Design and Selection, 2019, 32, 129-143.	1.0	1
15	Asymmetry in catalysis by Thermotoga maritima membrane-bound pyrophosphatase demonstrated by a nonphosphorus allosteric inhibitor. Science Advances, 2019, 5, eaav7574.	4.7	16
16	Roles of the Hydrophobic Gate and Exit Channel in Vigna radiata Pyrophosphatase Ion Translocation. Journal of Molecular Biology, 2019, 431, 1619-1632.	2.0	19
17	The Function of Membrane Integral Pyrophosphatases From Whole Organism to Single Molecule. Frontiers in Molecular Biosciences, 2019, 6, 132.	1.6	14
18	Screening for Thermotoga maritima Membrane-Bound Pyrophosphatase Inhibitors. Journal of Visualized Experiments, 2019, , .	0.2	0

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19	Glutamate transporters: a broad review of the most recent archaeal and human structures. Biochemical Society Transactions, 2019, 47, 1197-1207.	1.6	5
20	Pacing across the membrane: the novel PACE family of efflux pumps is widespread in Gram-negative pathogens. Research in Microbiology, 2018, 169, 450-454.	1.0	77
21	A high-throughput method for orthophosphate determination of thermostable membrane-bound pyrophosphatase activity. Analytical Methods, 2018, 10, 646-651.	1.3	10
22	Using a SMALP platform to determine a sub-nm single particle cryo-EM membrane protein structure. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 378-383.	1.4	88
23	Substrate polyspecificity and conformational relevance in ABC transporters: new insights from structural studies. Biochemical Society Transactions, 2018, 46, 1475-1484.	1.6	16
24	Binding of EphrinA5 to RET receptor tyrosine kinase: An in vitro study. PLoS ONE, 2018, 13, e0198291.	1.1	0
25	A Simple Strategy to Determine the Dependence of Membrane-Bound Pyrophosphatases on K+ as a Cofactor. Methods in Enzymology, 2018, 607, 131-156.	0.4	2
26	Defining Dynamics of Membrane-Bound Pyrophosphatases by Experimental and Computational Single-Molecule FRET. Methods in Enzymology, 2018, 607, 93-130.	0.4	2
27	Insights into the mechanism of membrane pyrophosphatases by combining experiment and computer simulation. Structural Dynamics, 2017, 4, 032105.	0.9	13
28	Receptors identified for a weight regulator. Nature, 2017, 550, 195-197.	13.7	11
29	The crystal structure of PD1, aHaemophilussurface fibril domain. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 101-108.	0.4	2
30	Crystal structure of a tripartite complex between C3dg, C-terminal domains of factor H and OspE of Borrelia burgdorferi. PLoS ONE, 2017, 12, e0188127.	1.1	13
31	Zebrafish GDNF and its co-receptor GFRÎ±1 activate the human RET receptor and promote the survival of dopaminergic neurons in vitro. PLoS ONE, 2017, 12, e0176166.	1.1	14
32	Membrane pyrophosphatases from Thermotoga maritima and Vigna radiata suggest a conserved coupling mechanism. Nature Communications, 2016, 7, 13596.	5.8	34
33	Artificial membranes for membrane protein purification, functionality and structure studies. Biochemical Society Transactions, 2016, 44, 877-882.	1.6	26
34	Transport mechanism of a glutamate transporter homologue GltPh. Biochemical Society Transactions, 2016, 44, 898-904.	1.6	15
35	A method for detergent-free isolation of membrane proteins in their local lipid environment. Nature Protocols, 2016, 11, 1149-1162.	5.5	305
36	Integral membrane pyrophosphatases: a novel drug target for human pathogens?. AIMS Biophysics, 2016, 3, 171-194.	0.3	15

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37	A Versatile Strategy for Production of Membrane Proteins with Diverse Topologies: Application to Investigation of Bacterial Homologues of Human Divalent Metal Ion and Nucleoside Transporters. PLoS ONE, 2015, 10, e0143010.	1.1	12
38	Solution structure and biophysical characterization of the multifaceted signalling effector protein growth arrest specific-1. BMC Biochemistry, 2015, 16, 8.	4.4	7
39	Baculovirus-Mediated Expression of GPCRs in Insect Cells. Methods in Enzymology, 2015, 556, 185-218.	0.4	15
40	Proton/sodium pumping pyrophosphatases: the last of the primary ion pumps. Current Opinion in Structural Biology, 2014, 27, 38-47.	2.6	55
41	Inorganic pyrophosphatases: One substrate, three mechanisms. FEBS Letters, 2013, 587, 1863-1869.	1.3	89
42	Crystallization and preliminary X-ray analysis of membrane-bound pyrophosphatases. Molecular Membrane Biology, 2013, 30, 64-74.	2.0	12
43	The Translocation Domain in Trimeric Autotransporter Adhesins Is Necessary and Sufficient for Trimerization and Autotransportation. Journal of Bacteriology, 2012, 194, 827-838.	1.0	24
44	The Structure and Catalytic Cycle of a Sodium-Pumping Pyrophosphatase. Science, 2012, 337, 473-476.	6.0	123
45	The Structure of E.Âcoli IgG-Binding Protein D Suggests a General Model for Bending and Binding in Trimeric Autotransporter Adhesins. Structure, 2011, 19, 1021-1030.	1.6	66
46	The Structure of the Glial Cell Line-derived Neurotrophic Factor-Coreceptor Complex. Journal of Biological Chemistry, 2008, 283, 35164-35172.	1.6	69
47	Crystal Structure of Streptococcus mutans Pyrophosphatase. Structure, 2001, 9, 289-297.	1.6	69
48	The structural basis for pyrophosphatase catalysis. Structure, 1996, 4, 1491-1508.	1.6	132
49	Structure and function analysis of Escherichia coli inorganic pyrophosphatase: is a hydroxide ion the key to catalysis?. Biochemistry, 1995, 34, 782-791.	1.2	84
50	The Câ€terminal head domain of Burkholderia pseudomallei <scp>BpaC</scp> has a striking hydrophilic core with an extensive solvent network. Molecular Microbiology, 0, , .	1.2	1