Veli-Pekka Jaakola

List of Publications by Year
in descending order

41 papers	3,723 citations	430874 18 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	4076 citing authors

#	Article	IF	Citations
1	The 2.6 Angstrom Crystal Structure of a Human A _{2A} Adenosine Receptor Bound to an Antagonist. Science, 2008, 322, 1211-1217.	12.6	1,688
2	A Specific Cholesterol Binding Site Is Established by the 2.8 Ã… Structure of the Human Î²2-Adrenergic Receptor. Structure, 2008, 16, 897-905.	3.3	892
3	Structure-Based Discovery of Novel Chemotypes for Adenosine A_{2A} Receptor Antagonists. Journal of Medicinal Chemistry, 2010, 53, 1799-1809.	6.4	231
4	Structure of complement factor H carboxyl-terminus reveals molecular basis of atypical haemolytic uremic syndrome. EMBO Journal, 2006, 25, 1784-1794.	7.8	149
5	Designing Facial Amphiphiles for the Stabilization of Integral Membrane Proteins. Angewandte Chemie - International Edition, 2007, 46, 7023-7025.	13.8	99
6	Ligand Binding and Subtype Selectivity of the Human A2A Adenosine Receptor. Journal of Biological Chemistry, 2010, 285, 13032-13044.	3.4	83
7	Structural features of adenosine receptors: From crystal to function. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1233-1244.	2.6	53
8	Structural basis of species-selective antagonist binding to the succinate receptor. Nature, 2019, 574, 581-585.	27.8	50
9	G protein-coupled receptors show unusual patterns of intrinsic unfolding. Protein Engineering, Design and Selection, 2005, 18, 103-110.	2.1	48
10	The crystallographic structure of the human adenosine A2A receptor in a high-affinity antagonist-bound state: implications for GPCR drug screening and design. Current Opinion in Structural Biology, 2010, 20, 401-414.	5.7	45
11	Profiling of membrane protein variants in a baculovirus system by coupling cell-surface detection with small-scale parallel expression. Protein Expression and Purification, 2007, 56, 85-92.	1.3	37
12	Functional reconstitution of human equilibrative nucleoside transporter-1 into styrene maleic acid co-polymer lipid particles. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1059-1065.	2.6	29
13	Designing Facial Amphiphiles for the Stabilization of Integral Membrane Proteins. Angewandte Chemie, 2007, 119, 7153-7155.	2.0	25
14	Defining thermostability of membrane proteins by western blotting. Protein Engineering, Design and Selection, 2015, 28, gzv049.	2.1	24
15	Functional studies with membrane-bound and detergent-solubilized Î±2-adrenergic receptors expressed in Sf9 cells. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1712, 62-70.	2.6	23
16	Reindeer Î²-lactoglobulin crystal structure with pseudo-body-centred noncrystallographic symmetry. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 1369-1374.	2.5	22
17	Expression, purification and functional characterization of human equilibrative nucleoside transporter subtype-1 (hENT1) protein from Sf9 insect cells. Protein Expression and Purification, 2015, 114, 99-107.	1.3	22
18	Functional expression and direct visualization of the human Î±2B-adrenergic receptor and Î±2B-AR-green fluorescent fusion protein in mammalian cell using Semliki Forest virus vectors. Protein Expression and Purification, 2003, 32, 265-275.	1.3	20

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19	Bridge over troubled proline: assignment of intrinsically disordered proteins using (HCA)CON(CAN)H and (HCA)N(CA)CO(N)H experiments concomitantly with HNCO and i(HCA)CO(CA)NH. Journal of Biomolecular NMR, 2014, 58, 49-60.	2.8	17
20	Accelerating GPCR Drug Discovery With Conformation-Stabilizing VHHs. Frontiers in Molecular Biosciences, 2022, 9, .	3.5	17
21	Development of a scintiplate assay for recombinant human Î±2B-adrenergic receptor. Analytical Biochemistry, 2002, 307, 280-286.	2.4	15
22	Baculovirus-Mediated Expression of GPCRs in Insect Cells. Methods in Enzymology, 2015, 556, 185-218.	1.0	15
23	Current Progress on Equilibrative Nucleoside Transporter Function and Inhibitor Design. SLAS Discovery, 2019, 24, 953-968.	2.7	15
24	Downstream coding region determinants of bacterio-opsin, muscarinic acetylcholine receptor and adrenergic receptor expression in Halobacterium salinarum. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1610, 109-123.	2.6	12
25	Human Adenosine A2A Receptor Binds Calmodulin with High Affinity in a Calcium-Dependent Manner. Biophysical Journal, 2015, 108, 903-917.	0.5	12
26	Thermodynamics and kinetics of inhibitor binding to human equilibrative nucleoside transporter subtype-1. Biochemical Pharmacology, 2015, 98, 681-689.	4.4	11
27	Production and purification of recombinant human alpha 2C2 adrenergic receptor using Saccharomyces cerevisiae. Bioseparation, 2000, 9, 167-172.	0.7	10
28	The Structure of the Adenosine Receptors. Advances in Pharmacology, 2011, 61, 1-40.	2.0	9
29	Nanodisc-Tm: Rapid functional assessment of nanodisc reconstituted membrane proteins by CPM assay. MethodsX, 2016, 3, 212-218.	1.6	8
30	G-protein-coupled receptor domain overexpression in Halobacterium salinarum: Long-range transmembrane interactions in heptahelical membrane proteins. Proteins: Structure, Function and Bioinformatics, 2005, 60, 412-423.	2.6	7
31	Development of a biochemical and biophysical suite for integral membrane protein targets: A review. Protein Expression and Purification, 2020, 167, 105545.	1.3	7
32	IMPROvER: the Integral Membrane Protein Stability Selector. Scientific Reports, 2020, 10, 15165.	3.3	7
33	Membrane Protein Expression in Insect Cells Using the Baculovirus Expression Vector System. Methods in Molecular Biology, 2020, 2127, 63-80.	0.9	6
34	Crystallogenesis of Adenosine A2A Receptorâ€"T4 Lysozyme Fusion Protein. Methods in Enzymology, 2013, 520, 175-198.	1.0	4
35	Calcium modulates calmodulin/Î±-actinin 1 interaction with and agonist-dependent internalization of the adenosine A 2A receptor. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 674-686.	4.1	4
36	Intracellularly Truncated Human Î±2B-Adrenoceptors: Stable and Functional GPCRs for Structural Studies. Journal of Receptor and Signal Transduction Research, 2005, 25, 99-124.	2.5	3

#	Article	IF	Citations
37	HN, N, CÎ±, CÎ² and Câ€² assignments of the intrinsically disordered C-terminus of human adenosine A2A receptor. Biomolecular NMR Assignments, 2015, 9, 403-406.	0.8	2
38	Membrane Proteins: New Approaches to Probes, Technologies, and Drug Design. SLAS Discovery, 2019, 24, 865-866.	2.7	1
39	Membrane Proteins: New Approaches to Probes, Technologies, and Drug Design, Part II. SLAS Discovery, 2019, 24, 941-942.	2.7	1
40	G Protein-Coupled Receptor Structures. , 2010, , 129-138.		0
41	The crystallographic model of a human A2Aadenosine receptor. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s13-s13.	0.3	0