

Veli-Pekka Jaakola

List of Publications by Citations

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37
papers

3,318
citations

17
h-index

41
g-index

41
ext. papers

3,534
ext. citations

5.9
avg, IF

4.65
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 37 | The 2.6 angstrom crystal structure of a human A2A adenosine receptor bound to an antagonist. <i>Science</i> , 2008 , 322, 1211-7 | 33.3 | 1549 |
| 36 | A specific cholesterol binding site is established by the 2.8 A structure of the human beta2-adrenergic receptor. <i>Structure</i> , 2008 , 16, 897-905 | 5.2 | 794 |
| 35 | Structure-based discovery of novel chemotypes for adenosine A(2A) receptor antagonists. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 1799-809 | 8.3 | 211 |
| 34 | Structure of complement factor H carboxyl-terminus reveals molecular basis of atypical haemolytic uremic syndrome. <i>EMBO Journal</i> , 2006 , 25, 1784-94 | 13 | 136 |
| 33 | Designing facial amphiphiles for the stabilization of integral membrane proteins. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7023-5 | 16.4 | 89 |
| 32 | Ligand binding and subtype selectivity of the human A(2A) adenosine receptor: identification and characterization of essential amino acid residues. <i>Journal of Biological Chemistry</i> , 2010 , 285, 13032-44 | 5.4 | 77 |
| 31 | Structural features of adenosine receptors: from crystal to function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 1233-44 | 3.8 | 47 |
| 30 | G protein-coupled receptors show unusual patterns of intrinsic unfolding. <i>Protein Engineering, Design and Selection</i> , 2005 , 18, 103-10 | 1.9 | 40 |
| 29 | The crystallographic structure of the human adenosine A2A receptor in a high-affinity antagonist-bound state: implications for GPCR drug screening and design. <i>Current Opinion in Structural Biology</i> , 2010 , 20, 401-14 | 8.1 | 39 |
| 28 | Profiling of membrane protein variants in a baculovirus system by coupling cell-surface detection with small-scale parallel expression. <i>Protein Expression and Purification</i> , 2007 , 56, 85-92 | 2 | 35 |
| 27 | Functional reconstitution of human equilibrative nucleoside transporter-1 into styrene maleic acid co-polymer lipid particles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1059-1065 | 3.8 | 25 |
| 26 | Functional studies with membrane-bound and detergent-solubilized alpha2-adrenergic receptors expressed in Sf9 cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005 , 1712, 62-70 | 3.8 | 23 |
| 25 | Designing Facial Amphiphiles for the Stabilization of Integral Membrane Proteins. <i>Angewandte Chemie</i> , 2007 , 119, 7153-7155 | 3.6 | 22 |
| 24 | Expression, purification and functional characterization of human equilibrative nucleoside transporter subtype-1 (hENT1) protein from Sf9 insect cells. <i>Protein Expression and Purification</i> , 2015 , 114, 99-107 | 2 | 21 |
| 23 | Reindeer beta-lactoglobulin crystal structure with pseudo-body-centred noncrystallographic symmetry. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006 , 62, 1369-74 | | 21 |
| 22 | Defining thermostability of membrane proteins by western blotting. <i>Protein Engineering, Design and Selection</i> , 2015 , 28, 539-42 | 1.9 | 20 |
| 21 | Functional expression and direct visualization of the human alpha 2B -adrenergic receptor and alpha 2B -AR-green fluorescent fusion protein in mammalian cell using Semliki Forest virus vectors. <i>Protein Expression and Purification</i> , 2003 , 32, 265-75 | 2 | 18 |

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| 20 | Development of a scintiplate assay for recombinant human alpha(2B)-adrenergic receptor. <i>Analytical Biochemistry</i> , 2002 , 307, 280-6 | 3.1 | 15 |
| 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. <i>Journal of Biomolecular NMR</i> , 2014 , 58, 49-60 | 3 | 14 |
| 18 | Baculovirus-mediated expression of GPCRs in insect cells. <i>Methods in Enzymology</i> , 2015 , 556, 185-218 | 1.7 | 13 |
| 17 | Structural basis of species-selective antagonist binding to the succinate receptor. <i>Nature</i> , 2019 , 574, 581-585 | 50.4 | 13 |
| 16 | Human adenosine A2A receptor binds calmodulin with high affinity in a calcium-dependent manner. <i>Biophysical Journal</i> , 2015 , 108, 903-917 | 2.9 | 11 |
| 15 | Downstream coding region determinants of bacterio-opsin, muscarinic acetylcholine receptor and adrenergic receptor expression in Halobacterium salinarum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1610, 109-23 | 3.8 | 11 |
| 14 | Production and purification of recombinant human alpha 2C2 adrenergic receptor using Saccharomyces cerevisiae. <i>Bioseparation</i> , 2000 , 9, 167-72 | | 10 |
| 13 | The structure of the adenosine receptors: implications for drug discovery. <i>Advances in Pharmacology</i> , 2011 , 61, 1-40 | 5.7 | 9 |
| 12 | Current Progress on Equilibrative Nucleoside Transporter Function and Inhibitor Design. <i>SLAS Discovery</i> , 2019 , 24, 953-968 | 3.4 | 8 |
| 11 | Thermodynamics and kinetics of inhibitor binding to human equilibrative nucleoside transporter subtype-1. <i>Biochemical Pharmacology</i> , 2015 , 98, 681-9 | 6 | 8 |
| 10 | G-protein-coupled receptor domain overexpression in Halobacterium salinarum: long-range transmembrane interactions in heptahelical membrane proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005 , 60, 412-23 | 4.2 | 7 |
| 9 | Development of a biochemical and biophysical suite for integral membrane protein targets: A review. <i>Protein Expression and Purification</i> , 2020 , 167, 105545 | 2 | 6 |
| 8 | Nanodisc-Tm: Rapid functional assessment of nanodisc reconstituted membrane proteins by CPM assay. <i>MethodsX</i> , 2016 , 3, 212-8 | 1.9 | 6 |
| 7 | Calcium modulates calmodulin/βactinin 1 interaction with and agonist-dependent internalization of the adenosine A receptor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 674-686 | 4.9 | 4 |
| 6 | Membrane Protein Expression in Insect Cells Using the Baculovirus Expression Vector System. <i>Methods in Molecular Biology</i> , 2020 , 2127, 63-80 | 1.4 | 4 |
| 5 | Crystallogenesis of adenosine A(2A) receptor-T4 lysozyme fusion protein: a practical route for the structure. <i>Methods in Enzymology</i> , 2013 , 520, 175-98 | 1.7 | 3 |
| 4 | Intracellularly truncated human alpha2B-adrenoceptors: stable and functional GPCRs for structural studies. <i>Journal of Receptor and Signal Transduction Research</i> , 2005 , 25, 99-124 | 2.6 | 3 |
| 3 | H(N), N, C(β) C(γ) and Ca assignments of the intrinsically disordered C-terminus of human adenosine A2A receptor. <i>Biomolecular NMR Assignments</i> , 2015 , 9, 403-6 | 0.7 | 2 |

2 IMPROVER: the Integral Membrane Protein Stability Selector. *Scientific Reports*, **2020**, 10, 15165 4.9 2

1 G Protein-Coupled Receptor Structures **2010**, 129-138