Alisa Glukhova

List of Publications by Year
in descending order

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Version: 2024-02-01

28 papers	2,845 citations	279798 23 h-index	501196 28 g-index
33 all docs	33 docs citations	33 times ranked	3602 citing authors

#	Article	IF	Citations
1	Phase-plate cryo-EM structure of a class B GPCRâ€“G-protein complex. Nature, 2017, 546, 118-123.	27.8	424
2	Structure of the adenosine-bound human adenosine A1 receptorâ€“Gi complex. Nature, 2018, 558, 559-563.	27.8	274
3	Phase-plate cryo-EM structure of a biased agonist-bound human GLP-1 receptorâ€“Gs complex. Nature, 2018, 555, 121-125.	27.8	263
4	Structural insights into G-protein-coupled receptor allostery. Nature, 2018, 559, 45-53.	27.8	255
5	Structure of the Adenosine A1 Receptor Reveals the Basis for Subtype Selectivity. Cell, 2017, 168, 867-877.e13.	28.9	237
6	Cryo-EM structure of the active, Gs-protein complexed, human CGRP receptor. Nature, 2018, 561, 492-497.	27.8	210
7	Differential GLP-1R Binding and Activation by Peptide and Non-peptide Agonists. Molecular Cell, 2020, 80, 485-500.e7.	9.7	111
8	Automatic local resolution-based sharpening of cryo-EM maps. Bioinformatics, 2020, 36, 765-772.	4.1	110
9	Nanobody cocktails potently neutralize SARS-CoV-2 D614G N501Y variant and protect mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	109
10	Dominant Negative G Proteins Enhance Formation and Purification of Agonist-GPCR-G Protein Complexes for Structure Determination. ACS Pharmacology and Translational Science, 2018, 1, 12-20.	4.9	96
11	Rules of Engagement: GPCRs and G Proteins. ACS Pharmacology and Translational Science, 2018, 1, 73-83.	4.9	93
12	Positive allosteric mechanisms of adenosine A1 receptor-mediated analgesia. Nature, 2021, 597, 571-576.	27.8	84
13	Structure and function of lysosomal phospholipase A2 and lecithin:cholesterol acyltransferase. Nature Communications, 2015, 6, 6250.	12.8	67
14	Activation mechanism of PINK1. Nature, 2022, 602, 328-335.	27.8	59
15	Recent advances in the determination of G protein-coupled receptor structures. Current Opinion in Structural Biology, 2018, 51, 28-34.	5.7	51
16	Structure and dynamics of the active Gs-coupled human secretin receptor. Nature Communications, 2020, 11, 4137.	12.8	46
17	Architecture of the Nitric-oxide Synthase Holoenzyme Reveals Large Conformational Changes and a Calmodulin-driven Release of the FMN Domain. Journal of Biological Chemistry, 2014, 289, 16855-16865.	3.4	39
18	Crystal Structure of G Protein-coupled Receptor Kinase 5 in Complex with a Rationally Designed Inhibitor. Journal of Biological Chemistry, 2015, 290, 20649-20659.	3.4	39

#	Article	IF	Citations
19	The Molecular Control of Calcitonin Receptor Signaling. ACS Pharmacology and Translational Science, 2019, 2, 31-51.	4.9	38
20	Molecular basis for activation of lecithin:cholesterol acyltransferase by a compound that increases HDL cholesterol. ELife, 2018, 7, .	6.0	37
21	Landscape of human antibody recognition of the SARS-CoV-2 receptor binding domain. Cell Reports, 2021, 37, 109822.	6.4	35
22	Constitutively active rhodopsin mutants causing night blindness are effectively phosphorylated by GRKs but differ in arrestin-1 binding. Cellular Signalling, 2013, 25, 2155-2162.	3.6	32
23	A retractable lid in lecithin:cholesterol acyltransferase provides a structural mechanism for activation by apolipoprotein A-I. Journal of Biological Chemistry, 2017, 292, 20313-20327.	3.4	32
24	Dynamics of GLP-1R peptide agonist engagement are correlated with kinetics of G protein activation. Nature Communications, 2022, 13, 92.	12.8	30
25	Membrane Orientation and Binding Determinants of G Protein-Coupled Receptor Kinase 5 as Assessed by Combined Vibrational Spectroscopic Studies. PLoS ONE, 2013, 8, e82072.	2.5	23
26	Novel Irreversible Agonists Acting at the A₁ Adenosine Receptor. Journal of Medicinal Chemistry, 2016, 59, 11182-11194.	6.4	20
27	Perturbation of the interactions of calmodulin with GRK5 using a natural product chemical probe. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15895-15900.	7.1	18
28	Unveiling the Membrane-Binding Properties of N-Terminal and C-Terminal Regions of G Protein-Coupled Receptor Kinase 5 by Combined Optical Spectroscopies. Langmuir, 2014, 30, 823-831.	3.5	9