

Tilman Flock

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9580194/publications.pdf>

Version: 2024-02-01

20
papers

1,913
citations

471509

17
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	Selectivity determinants of GPCR-G-protein binding. Nature, 2017, 545, 317-322.	27.8	297
2	Universal allosteric mechanism for G \pm activation by GPCRs. Nature, 2015, 524, 173-179.	27.8	291
3	Diverse activation pathways in class A GPCRs converge near the G-protein-coupling region. Nature, 2016, 536, 484-487.	27.8	245
4	Controlling entropy to tune the functions of intrinsically disordered regions. Current Opinion in Structural Biology, 2014, 26, 62-72.	5.7	127
5	An online resource for GPCR structure determination and analysis. Nature Methods, 2019, 16, 151-162.	19.0	108
6	Visualization and analysis of non-covalent contacts using the Protein Contacts Atlas. Nature Structural and Molecular Biology, 2018, 25, 185-194.	8.2	103
7	General approach to reversing ketol-acid reductoisomerase cofactor dependence from NADPH to NADH. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10946-10951.	7.1	102
8	Molecular mechanism of modulating arrestin conformation by GPCR phosphorylation. Nature Structural and Molecular Biology, 2018, 25, 538-545.	8.2	87
9	Distinct G protein-coupled receptor phosphorylation motifs modulate arrestin affinity and activation and global conformation. Nature Communications, 2019, 10, 1261.	12.8	86
10	Structured and disordered facets of the GPCR fold. Current Opinion in Structural Biology, 2014, 27, 129-137.	5.7	68
11	Crystal structure of rhodopsin in complex with a mini-G _o sheds light on the principles of G protein selectivity. Science Advances, 2018, 4, eaat7052.	10.3	65
12	Molecular Principles of Gene Fusion Mediated Rewiring of Protein Interaction Networks in Cancer. Molecular Cell, 2016, 63, 579-592.	9.7	63
13	Probing G \pm 1 protein activation at single-amino acid resolution. Nature Structural and Molecular Biology, 2015, 22, 686-694.	8.2	58
14	Cryo-EM structure of the rhodopsin-G \pm 1 β ³ complex reveals binding of the rhodopsin C-terminal tail to the g β ² subunit. ELife, 2019, 8, .	6.0	52
15	Cotranslational protein assembly imposes evolutionary constraints on homomeric proteins. Nature Structural and Molecular Biology, 2018, 25, 279-288.	8.2	43
16	How do disordered regions achieve comparable functions to structured domains?. Protein Science, 2015, 24, 909-922.	7.6	41
17	Exploiting sequence and stability information for directing nanobody stability engineering. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2196-2205.	2.4	38
18	Convergent evolution of tertiary structure in rhodopsin visual proteins from vertebrates and box jellyfish. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6201-6206.	7.1	19

#	ARTICLE	IF	CITATIONS
19	Molecular determinants underlying functional innovations of TBP and their impact on transcription initiation. <i>Nature Communications</i> , 2020, 11, 2384.	12.8	17
20	Structural Elements Directing G Proteins and β^2 -Arrestin Interactions with the Human Melatonin Type 2 Receptor Revealed by Natural Variants. <i>ACS Pharmacology and Translational Science</i> , 2022, 5, 89-101.	4.9	2