

Fei Xu

List of Publications by Year in descending order

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16
papers

2,597
citations

759055

12
h-index

940416

16
g-index

16
all docs

16
docs citations

16
times ranked

3207
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Basis for Allosteric Regulation of GPCRs by Sodium Ions. <i>Science</i> , 2012, 337, 232-236.	6.0	860
2	Structure of an Agonist-Bound Human A _{2A} Adenosine Receptor. <i>Science</i> , 2011, 332, 322-327.	6.0	783
3	Fusion Partner Toolchest for the Stabilization and Crystallization of G Protein-Coupled Receptors. <i>Structure</i> , 2012, 20, 967-976.	1.6	367
4	Structural basis of ligand recognition and self-activation of orphan GPR52. <i>Nature</i> , 2020, 579, 152-157.	13.7	97
5	Structural Basis for Apelin Control of the Human Apelin Receptor. <i>Structure</i> , 2017, 25, 858-866.e4.	1.6	96
6	Crystal structure of a multi-domain human smoothed receptor in complex with a super stabilizing ligand. <i>Nature Communications</i> , 2017, 8, 15383.	5.8	81
7	Crystal structure of the Frizzled 4 receptor in a ligand-free state. <i>Nature</i> , 2018, 560, 666-670.	13.7	77
8	The importance of ligands for G protein-coupled receptor stability. <i>Trends in Biochemical Sciences</i> , 2015, 40, 79-87.	3.7	65
9	Development of an Automated High Throughput LCP-FRAP Assay to Guide Membrane Protein Crystallization in Lipid Mesophases. <i>Crystal Growth and Design</i> , 2011, 11, 1193-1201.	1.4	49
10	Structural and Druggability Landscape of Frizzled G Protein-Coupled Receptors. <i>Trends in Biochemical Sciences</i> , 2018, 43, 1033-1046.	3.7	37
11	Apj+ Vessels Drive Tumor Growth and Represent a Tractable Therapeutic Target. <i>Cell Reports</i> , 2018, 25, 1241-1254.e5.	2.9	26
12	Cryo-EM structure of constitutively active human Frizzled 7 in complex with heterotrimeric Gs. <i>Cell Research</i> , 2021, 31, 1311-1314.	5.7	23
13	Structural insight into apelin receptor-G protein stoichiometry. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 688-697.	3.6	14
14	A structurally guided dissection-then-evolution strategy for ligand optimization of smoothed receptor. <i>MedChemComm</i> , 2017, 8, 1332-1336.	3.5	9
15	Targeted Proteomics Combined with Affinity Mass Spectrometry Analysis Reveals Antagonist E7 Acts As an Intracellular Covalent Ligand of Orphan Receptor GPR52. <i>ACS Chemical Biology</i> , 2020, 15, 3275-3284.	1.6	8
16	Trapping Small Caffeine in a Large GPCR Pocket. <i>Structure</i> , 2011, 19, 1204-1207.	1.6	5