

Xiaochun Li

List of Publications by Year in descending order

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39
papers

1,771
citations

331670

21
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315739

38
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docs citations

39
times ranked

2159
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures of human Patched and its complex with native palmitoylated sonic hedgehog. <i>Nature</i> , 2018, 560, 128-132.	27.8	158
2	Clues to the mechanism of cholesterol transfer from the structure of NPC1 middle luminal domain bound to NPC2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10079-10084.	7.1	153
3	Structure of human Niemann-Pick C1 protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8212-8217.	7.1	137
4	Cryo-EM structure of oxysterol-bound human Smoothed coupled to a heterotrimeric Gi. <i>Nature</i> , 2019, 571, 279-283.	27.8	131
5	Human TRPML1 channel structures in open and closed conformations. <i>Nature</i> , 2017, 550, 366-370.	27.8	109
6	Two Patched molecules engage distinct sites on Hedgehog yielding a signaling-competent complex. <i>Science</i> , 2018, 362, .	12.6	105
7	3.3 Å... structure of Niemann-Pick C1 protein reveals insights into the function of the C-terminal luminal domain in cholesterol transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9116-9121.	7.1	86
8	Molecular basis of V-ATPase inhibition by bafilomycin A1. <i>Nature Communications</i> , 2021, 12, 1782.	12.8	70
9	Structural basis for PtdInsP2-mediated human TRPML1 regulation. <i>Nature Communications</i> , 2018, 9, 4192.	12.8	67
10	Mechanistic Insights into the Generation and Transduction of Hedgehog Signaling. <i>Trends in Biochemical Sciences</i> , 2020, 45, 397-410.	7.5	61
11	Triazoles inhibit cholesterol export from lysosomes by binding to NPC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 89-94.	7.1	60
12	Structure of nevanimibe-bound tetrameric human ACAT1. <i>Nature</i> , 2020, 581, 339-343.	27.8	57
13	Structural basis for itraconazole-mediated NPC1 inhibition. <i>Nature Communications</i> , 2020, 11, 152.	12.8	55
14	Sterols in an intramolecular channel of Smoothed mediate Hedgehog signaling. <i>Nature Chemical Biology</i> , 2020, 16, 1368-1375.	8.0	55
15	Structure of an integral membrane sterol reductase from <i>Methylomicrobium alcaliphilum</i> . <i>Nature</i> , 2015, 517, 104-107.	27.8	48
16	Cryo-EM structures of intact V-ATPase from bovine brain. <i>Nature Communications</i> , 2020, 11, 3921.	12.8	46
17	Molecular basis of cholesterol efflux via ABCG subfamily transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	44
18	Structural biology of intramembrane proteases: mechanistic insights from rhomboid and S2P to Î³-secretase. <i>Current Opinion in Structural Biology</i> , 2016, 37, 97-107.	5.7	43

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19	Structural basis for human sterol isomerase in cholesterol biosynthesis and multidrug recognition. <i>Nature Communications</i> , 2019, 10, 2452.	12.8	37
20	Crystal structure of a phosphorylation-coupled vitamin C transporter. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 238-241.	8.2	33
21	Mechanisms and inhibition of Porcupine-mediated Wnt acylation. <i>Nature</i> , 2022, 607, 816-822.	27.8	31
22	Structure of S1PR2 heterotrimeric G ₁₃ signaling complex. <i>Science Advances</i> , 2022, 8, eabn0067.	10.3	24
23	Structure of human Dispatched-1 provides insights into Hedgehog ligand biogenesis. <i>Life Science Alliance</i> , 2020, 3, e202000776.	2.8	23
24	Structures of dimeric human NPC1L1 provide insight into mechanisms for cholesterol absorption. <i>Science Advances</i> , 2021, 7, .	10.3	18
25	Marked structural rearrangement of mannose 6-phosphate/IGF2 receptor at different pH environments. <i>Science Advances</i> , 2020, 6, eaaz1466.	10.3	15
26	Structures of oxysterol sensor EB12/GPR183, a key regulator of the immune response. <i>Structure</i> , 2022, 30, 1016-1024.e5.	3.3	15
27	Atomic insights into ML-S13 mediated human TRPML1 inhibition. <i>Structure</i> , 2021, 29, 1295-1302.e3.	3.3	14
28	Cholesterol efflux mechanism revealed by structural analysis of human ABCA1 conformational states. <i>Structure</i> , 2022, 1, 238-245.		14
29	Structural insights into group II TRP channels. <i>Cell Calcium</i> , 2020, 86, 102107.	2.4	13
30	Molecular structures of human ACAT2 disclose mechanism for selective inhibition. <i>Structure</i> , 2021, 29, 1410-1418.e4.	3.3	12
31	Structural basis of acyl-CoA transport across the peroxisomal membrane by human ABCD1. <i>Cell Research</i> , 2022, 32, 214-217.	12.0	9
32	The regulatory mechanism of mammalian TRPMLs revealed by cryo-EM. <i>FEBS Journal</i> , 2018, 285, 2579-2585.	4.7	7
33	Structural enzymology of cholesterol biosynthesis and storage. <i>Current Opinion in Structural Biology</i> , 2022, 74, 102369.	5.7	6
34	Molecular basis of mEAK7-mediated human V-ATPase regulation. <i>Nature Communications</i> , 2022, 13, .	12.8	5
35	TRP Channel: The structural era. <i>Cell Calcium</i> , 2020, 87, 102191.	2.4	4
36	The V-motifs facilitate the substrate capturing step of the PTS elevator mechanism. <i>Journal of Structural Biology</i> , 2016, 196, 496-502.	2.8	2

#	ARTICLE	IF	CITATIONS
37	Difference distance map data of alternative crystal forms of UlaA. <i>Data in Brief</i> , 2017, 10, 198-201.	1.0	2
38	Insights into the Irritating Mechanisms of TRPA1 Revealed by Cryo-EM. <i>Neuron</i> , 2021, 109, 194-196.	8.1	1
39	Expression, Purification, and Structure Determination of Human PTCH1â€“HH-N Complexes. <i>Methods in Molecular Biology</i> , 2022, 2374, 107-120.	0.9	1