

Qinghai Zhang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7596049/qinghai-zhang-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

3,900
citations

25
h-index

51
g-index

51
ext. papers

4,331
ext. citations

7.3
avg, IF

5.08
L-index

#	Paper	IF	Citations
49	Structure of P-glycoprotein reveals a molecular basis for poly-specific drug binding. <i>Science</i> , 2009 , 323, 1718-22	33.3	1586
48	Structure of a cation-bound multidrug and toxic compound extrusion transporter. <i>Nature</i> , 2010 , 467, 991-4	50.4	216
47	Metabolite-initiated protein misfolding may trigger Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 4752-7	11.5	195
46	Inhibit or Evade Multidrug Resistance P-Glycoprotein in Cancer Treatment. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 5108-5121	8.3	132
45	Crystal structure of CYP24A1, a mitochondrial cytochrome P450 involved in vitamin D metabolism. <i>Journal of Molecular Biology</i> , 2010 , 396, 441-51	6.5	131
44	Mass spectrometry reveals synergistic effects of nucleotides, lipids, and drugs binding to a multidrug resistance efflux pump. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9704-9	11.5	128
43	Snapshots of ligand entry, malleable binding and induced helical movement in P-glycoprotein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 732-41		123
42	Steroid-based facial amphiphiles for stabilization and crystallization of membrane proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E1203-11	11.5	111
41	Engineered nanostructured sheet peptides protect membrane proteins. <i>Nature Methods</i> , 2013 , 10, 759-61	21.6	93
40	Designing facial amphiphiles for the stabilization of integral membrane proteins. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7023-5	16.4	89
39	An electrostatic mechanism for Ca(2+)-mediated regulation of gap junction channels. <i>Nature Communications</i> , 2016 , 7, 8770	17.4	83
38	Cys10 mixed disulfides make transthyretin more amyloidogenic under mildly acidic conditions. <i>Biochemistry</i> , 2003 , 42, 8756-61	3.2	83
37	Distinct conformational spectrum of homologous multidrug ABC transporters. <i>Structure</i> , 2015 , 23, 450-460	5.0	74
36	Crystal structure of a cytochrome P450 2B6 genetic variant in complex with the inhibitor 4-(4-chlorophenyl)imidazole at 2.0-Å resolution. <i>Molecular Pharmacology</i> , 2010 , 77, 529-38	4.3	73
35	Contributions of ionic interactions and protein dynamics to cytochrome P450 2D6 (CYP2D6) substrate and inhibitor binding. <i>Journal of Biological Chemistry</i> , 2015 , 290, 5092-5104	5.4	65
34	New amphiphiles for membrane protein structural biology. <i>Methods</i> , 2011 , 55, 318-23	4.6	64
33	Conformational adaptation of human cytochrome P450 2B6 and rabbit cytochrome P450 2B4 revealed upon binding multiple amlodipine molecules. <i>Biochemistry</i> , 2012 , 51, 7225-38	3.2	60

32	Understanding polyspecificity within the substrate-binding cavity of the human multidrug resistance P-glycoprotein. <i>FEBS Journal</i> , 2014 , 281, 673-82	5.7	50
31	Plasticity of cytochrome P450 2B4 as investigated by hydrogen-deuterium exchange mass spectrometry and X-ray crystallography. <i>Journal of Biological Chemistry</i> , 2010 , 285, 38602-11	5.4	48
30	Microscale NMR screening of new detergents for membrane protein structural biology. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7357-63	16.4	43
29	Structures of cytochrome P450 2B6 bound to 4-benzylpyridine and 4-(4-nitrobenzyl)pyridine: insight into inhibitor binding and rearrangement of active site side chains. <i>Molecular Pharmacology</i> , 2011 , 80, 1047-55	4.3	38
28	Structural analysis of mammalian cytochrome P450 2B4 covalently bound to the mechanism-based inactivator tert-butylphenylacetylene: insight into partial enzymatic activity. <i>Biochemistry</i> , 2011 , 50, 4903-11	3.7	35
27	Structures of cytochrome P450 2B4 complexed with the antiplatelet drugs ticlopidine and clopidogrel. <i>Biochemistry</i> , 2010 , 49, 8709-20	3.2	34
26	Structural Basis of Single-Nucleotide Polymorphisms in Cytochrome P450 2C9. <i>Biochemistry</i> , 2017 , 56, 5476-5480	3.2	33
25	Design, synthesis, and properties of branch-chained maltoside detergents for stabilization and crystallization of integral membrane proteins: human connexin 26. <i>Langmuir</i> , 2010 , 26, 8690-6	4	32
24	Halogen- π Interactions in the Cytochrome P450 Active Site: Structural Insights into Human CYP2B6 Substrate Selectivity. <i>ACS Chemical Biology</i> , 2017 , 12, 1204-1210	4.9	25
23	Evidence for an intermediate conformational state of LacY. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E698-704	11.5	24
22	Designing Facial Amphiphiles for the Stabilization of Integral Membrane Proteins. <i>Angewandte Chemie</i> , 2007 , 119, 7153-7155	3.6	22
21	Chemically Stable Lipids for Membrane Protein Crystallization. <i>Crystal Growth and Design</i> , 2017 , 17, 3502-3511	3.5	19
20	Design and synthesis of Selenazole-containing peptides for cocrystallization with P-glycoprotein. <i>ChemBioChem</i> , 2011 , 12, 868-73	3.8	18
19	Synthesis and properties of dodecyl trehaloside detergents for membrane protein studies. <i>Langmuir</i> , 2012 , 28, 11173-81	4	17
18	Proton-Translocating Nicotinamide Nucleotide Transhydrogenase: A Structural Perspective. <i>Frontiers in Physiology</i> , 2017 , 8, 1089	4.6	16
17	Structure-Function Analysis of Mammalian CYP2B Enzymes Using 7-Substituted Coumarin Derivatives as Probes: Utility of Crystal Structures and Molecular Modeling in Understanding Xenobiotic Metabolism. <i>Molecular Pharmacology</i> , 2016 , 89, 435-45	4.3	14
16	Structural Insights into the Lipid A Transport Pathway in MsbA. <i>Structure</i> , 2019 , 27, 1114-1123.e3	5.2	13
15	A structural snapshot of CYP2B4 in complex with paroxetine provides insights into ligand binding and clusters of conformational states. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 346, 113-20	4.7	13

14	Cys-10 mixed disulfide modifications exacerbate transthyretin familial variant amyloidogenicity: a likely explanation for variable clinical expression of amyloidosis and the lack of pathology in C10S/V30M transgenic mice?. <i>Biochemistry</i> , 2005 , 44, 9079-85	3.2	13
13	A survey of detergents for the purification of stable, active human cystic fibrosis transmembrane conductance regulator (CFTR). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 2825-37	3.8	12
12	Structural and biophysical characterization of human cytochromes P450 2B6 and 2A6 bound to volatile hydrocarbons: analysis and comparison. <i>Molecular Pharmacology</i> , 2015 , 87, 649-59	4.3	11
11	Coumarin Derivatives as Substrate Probes of Mammalian Cytochromes P450 2B4 and 2B6: Assessing the Importance of 7-Alkoxy Chain Length, Halogen Substitution, and Non-Active Site Mutations. <i>Biochemistry</i> , 2016 , 55, 1997-2007	3.2	9
10	Effect of detergent binding on cytochrome P450 2B4 structure as analyzed by X-ray crystallography and deuterium-exchange mass spectrometry. <i>Biophysical Chemistry</i> , 2016 , 216, 1-8	3.5	8
9	Critical Role of Water Molecules in Proton Translocation by the Membrane-Bound Transhydrogenase. <i>Structure</i> , 2017 , 25, 1111-1119.e3	5.2	8
8	X-ray crystal structure of the cytochrome P450 2B4 active site mutant F297A in complex with clopidogrel: insights into compensatory rearrangements of the binding pocket. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 530, 64-72	4.1	7
7	Synthesis ofazole-enriched cyclic peptides by a clean solid-phase-based cyclization-cleavage strategy. <i>ACS Combinatorial Science</i> , 2013 , 15, 447-51	3.9	7
6	Efficient Synthesis of Unsaturated 1-Monoacyl Glycerols for in meso Crystallization of Membrane Proteins. <i>Synlett</i> , 2010 , 2011, 809-812	2.2	7
5	Cholate-based synthesis of size-tunable cage compounds. <i>Journal of Organic Chemistry</i> , 2015 , 80, 1221-84.2	4.2	6
4	Chemical tools for membrane protein structural biology. <i>Current Opinion in Structural Biology</i> , 2019 , 58, 278-285	8.1	6
3	Crystal Structure of CYP2B6 in Complex with an Efavirenz Analog. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	3
2	Structure of Cytochrome P450 2C9*2 in Complex with Losartan: Insights into the Effect of Genetic Polymorphism. <i>Molecular Pharmacology</i> , 2020 , 98, 529-539	4.3	2
1	A high-resolution crystal structure of ligand-free cytochrome P450 2B4 (H226Y) in a closed conformation. <i>FASEB Journal</i> , 2010 , 24, lb530	0.9	1