

# Daxiong Fu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3670807/publications.pdf>

Version: 2024-02-01

34  
papers

3,093  
citations

279487

23  
h-index

360668

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of a Glycerol-Conducting Channel and the Basis for Its Selectivity. <i>Science</i> , 2000, 290, 481-486.	6.0	938
2	Structure of the Zinc Transporter YiiP. <i>Science</i> , 2007, 317, 1746-1748.	6.0	355
3	Structural basis for autoregulation of the zinc transporter YiiP. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 1063-1067.	3.6	227
4	Kinetic Study of the Antiport Mechanism of an Escherichia coli Zinc Transporter, ZitB. <i>Journal of Biological Chemistry</i> , 2004, 279, 12043-12050.	1.6	143
5	Zinc transporters and their functional integration in mammalian cells. <i>Journal of Biological Chemistry</i> , 2021, 296, 100320.	1.6	125
6	Histidine pairing at the metal transport site of mammalian ZnT transporters controls Zn <sup>2+</sup> over Cd <sup>2+</sup> selectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7202-7207.	3.3	117
7	Thermodynamic Studies of the Mechanism of Metal Binding to the Escherichia coli Zinc Transporter YiiP. <i>Journal of Biological Chemistry</i> , 2004, 279, 17173-17180.	1.6	104
8	Crystal Structure of AqpZ Tetramer Reveals Two Distinct Arg-189 Conformations Associated with Water Permeation through the Narrowest Constriction of the Water-conducting Channel. <i>Journal of Biological Chemistry</i> , 2006, 281, 454-460.	1.6	101
9	Selective Electrodifusion of Zinc Ions in a Zrt-, Irt-like Protein, ZIPB*. <i>Journal of Biological Chemistry</i> , 2010, 285, 39013-39020.	1.6	99
10	Selective Metal Binding to a Membrane-embedded Aspartate in the Escherichia coli Metal Transporter YiiP (FieF). <i>Journal of Biological Chemistry</i> , 2005, 280, 33716-33724.	1.6	96
11	Visualizing the kinetic power stroke that drives proton-coupled zinc(ii) transport. <i>Nature</i> , 2014, 512, 101-104.	13.7	91
12	The structural basis of water permeation and proton exclusion in aquaporins (Review). <i>Molecular Membrane Biology</i> , 2007, 24, 366-374.	2.0	90
13	Binding and Transport of Metal Ions at the Dimer Interface of the Escherichia coli Metal Transporter YiiP. <i>Journal of Biological Chemistry</i> , 2006, 281, 23492-23502.	1.6	76
14	Lipid-tuned Zinc Transport Activity of Human ZnT8 Protein Correlates with Risk for Type-2 Diabetes. <i>Journal of Biological Chemistry</i> , 2016, 291, 26950-26957.	1.6	64
15	Oligomeric State of the Escherichia coli Metal Transporter YiiP. <i>Journal of Biological Chemistry</i> , 2004, 279, 39251-39259.	1.6	58
16	Atomic structure of a glycerol channel and implications for substrate permeation in aqua(glycero)porins. <i>FEBS Letters</i> , 2001, 504, 112-117.	1.3	37
17	Intact Functional Fourteen-subunit Respiratory Membrane-bound [NiFe]-Hydrogenase Complex of the Hyperthermophilic Archaeon Pyrococcus furiosus. <i>Journal of Biological Chemistry</i> , 2014, 289, 19364-19372.	1.6	37
18	Structure-Function Relationships in OxlT, the Oxalate/Formate Transporter of Oxalobacter formigenes. <i>Journal of Biological Chemistry</i> , 1998, 273, 17962-17967.	1.6	32

#	ARTICLE	IF	CITATIONS
19	Evaluation of Secondary Structure of OxIT, the Oxalate Transporter of Oxalobacter formigenes, by Circular Dichroism Spectroscopy. <i>Journal of Biological Chemistry</i> , 1997, 272, 2129-2135.	1.6	31
20	Proteoliposome-based full-length ZnT8 self-antigen for type 1 diabetes diagnosis on a plasmonic platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10196-10201.	3.3	31
21	Coupling of Insulin Secretion and Display of a Granule-resident Zinc Transporter ZnT8 on the Surface of Pancreatic Beta Cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 4034-4043.	1.6	29
22	Asymmetric Contribution of the Conserved Disulfide Loop to Subunit Oligomerization and Assembly of the Nicotinic Acetylcholine Receptor. <i>Journal of Biological Chemistry</i> , 1996, 271, 31479-31484.	1.6	27
23	Structure/Function Relationships in OxIT, the Oxalate-Formate Transporter of Oxalobacter formigenes. <i>Journal of Biological Chemistry</i> , 2001, 276, 8753-8760.	1.6	25
24	The PP-motif in luminal loop 2 of ZnT transporters plays a pivotal role in TNAP activation. <i>Biochemical Journal</i> , 2016, 473, 2611-2621.	1.7	23
25	Induction of the metal transporter ZIP8 by interferon gamma in intestinal epithelial cells: Potential role of metal dyshomeostasis in Crohn's disease. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 325-331.	1.0	19
26	Metalloproteomics: challenges and prospective for clinical research applications. <i>Expert Review of Proteomics</i> , 2014, 11, 13-19.	1.3	17
27	A subclass of serum anti-ZnT8 antibodies directed to the surface of live pancreatic $\beta$ -cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 579-587.	1.6	16
28	Water molecules mediate zinc mobility in the bacterial zinc diffusion channel ZIPB. <i>Journal of Biological Chemistry</i> , 2019, 294, 13327-13335.	1.6	16
29	Down-regulation of the islet-specific zinc transporter-8 (ZnT8) protects human insulinoma cells against inflammatory stress. <i>Journal of Biological Chemistry</i> , 2019, 294, 16992-17006.	1.6	16
30	The Structure of GlpF, A Glycerol Conducting Channel. <i>Novartis Foundation Symposium</i> , 2008, , 51-65.	1.2	14
31	Highly specific monoclonal antibodies for allosteric inhibition and immunodetection of the human pancreatic zinc transporter ZnT8. <i>Journal of Biological Chemistry</i> , 2018, 293, 16206-16216.	1.6	11
32	Novel autoantibodies to the $\beta$ -cell surface epitopes of ZnT8 in patients progressing to type-1 diabetes. <i>Journal of Autoimmunity</i> , 2021, 122, 102677.	3.0	11
33	Crystallization and preliminary crystallographic analysis of the Escherichia coli water channel AqpZ. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 561-563.	2.5	7
34	The structure of GlpF, a glycerol conducting channel. <i>Novartis Foundation Symposium</i> , 2002, 245, 51-61; discussion 61-5, 165-8.	1.2	5