

# J Christopher Fromme

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

3,520  
citations

236833

25  
h-index

206029

48  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computed structures of core eukaryotic protein complexes. <i>Science</i> , 2021, 374, eabm4805.	6.0	316
2	Structural basis for removal of adenine mispaired with 8-oxoguanine by MutY adenine DNA glycosylase. <i>Nature</i> , 2004, 427, 652-656.	13.7	293
3	Cranio-lenticulo-sutural dysplasia is caused by a SEC23A mutation leading to abnormal endoplasmic-reticulum-to-Golgi trafficking. <i>Nature Genetics</i> , 2006, 38, 1192-1197.	9.4	273
4	Structure of a trapped endonuclease III-DNA covalent intermediate. <i>EMBO Journal</i> , 2003, 22, 3461-3471.	3.5	177
5	DNA glycosylase recognition and catalysis. <i>Current Opinion in Structural Biology</i> , 2004, 14, 43-49.	2.6	172
6	DNA Lesion Recognition by the Bacterial Repair Enzyme MutM. <i>Journal of Biological Chemistry</i> , 2003, 278, 51543-51548.	1.6	169
7	The Genetic Basis of a Craniofacial Disease Provides Insight into COPII Coat Assembly. <i>Developmental Cell</i> , 2007, 13, 623-634.	3.1	166
8	Product-assisted catalysis in base-excision DNA repair. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 204-211.	3.6	148
9	Structural basis for activation, assembly and membrane binding of ESCRT-III Snf7 filaments. <i>ELife</i> , 2015, 4, .	2.8	127
10	Coordination of COPII vesicle trafficking by Sec23. <i>Trends in Cell Biology</i> , 2008, 18, 330-336.	3.6	115
11	Data publication with the structural biology data grid supports live analysis. <i>Nature Communications</i> , 2016, 7, 10882.	5.8	113
12	Base Excision Repair. <i>Advances in Protein Chemistry</i> , 2004, 69, 1-41.	4.4	112
13	Four GTPases Differentially Regulate the Sec7 Arf-GEF to Direct Traffic at the trans-Golgi Network. <i>Developmental Cell</i> , 2014, 30, 759-767.	3.1	106
14	COPII-coated vesicles: flexible enough for large cargo?. <i>Current Opinion in Cell Biology</i> , 2005, 17, 345-352.	2.6	101
15	Structural insights into lesion recognition and repair by the bacterial 8-oxoguanine DNA glycosylase MutM. , 2002, 9, 544-52.		100
16	Inâ€depth and 3â€dimensional exploration of the budding yeast phosphoproteome. <i>EMBO Reports</i> , 2021, 22, e51121.	2.0	99
17	The Sec7 Arf-GEF Is Recruited to the trans-Golgi Network by Positive Feedback. <i>Developmental Cell</i> , 2012, 22, 799-810.	3.1	89
18	GTPase cross talk regulates TRAPP11 activation of Rab11 homologues during vesicle biogenesis. <i>Journal of Cell Biology</i> , 2016, 215, 499-513.	2.3	89

#	ARTICLE	IF	CITATIONS
19	Structure of Human Cytidine Deaminase Bound to a Potent Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 658-660.	2.9	67
20	The TRAPPIII complex activates the GTPase Ypt1 (Rab1) in the secretory pathway. <i>Journal of Cell Biology</i> , 2018, 217, 283-298.	2.3	63
21	NMT1 and NMT2 are lysine myristoyltransferases regulating the ARF6 GTPase cycle. <i>Nature Communications</i> , 2020, 11, 1067.	5.8	62
22	Cargo adaptors: structures illuminate mechanisms regulating vesicle biogenesis. <i>Trends in Cell Biology</i> , 2015, 25, 408-416.	3.6	59
23	The Exomer Coat Complex Transports Fus1p to the Plasma Membrane via a Novel Plasma Membrane Sorting Signal in Yeast. <i>Molecular Biology of the Cell</i> , 2009, 20, 4985-4996.	0.9	55
24	A Steric Gating Mechanism Dictates the Substrate Specificity of a Rab-GEF. <i>Developmental Cell</i> , 2019, 48, 100-114.e9.	3.1	49
25	Regulation of Arf activation occurs via distinct mechanisms at early and late Golgi compartments. <i>Molecular Biology of the Cell</i> , 2017, 28, 3660-3671.	0.9	36
26	The exomer cargo adaptor structure reveals a novel GTPase-binding domain. <i>EMBO Journal</i> , 2012, 31, 4191-4203.	3.5	34
27	Arf1 directly recruits the Pik1-Frq1 PI4K complex to regulate the final stages of Golgi maturation. <i>Molecular Biology of the Cell</i> , 2021, 32, 1064-1080.	0.9	32
28	Modular polyketide synthase contains two reaction chambers that operate asynchronously. <i>Science</i> , 2021, 374, 723-729.	6.0	31
29	Structural Basis for Membrane Binding and Remodeling by the Exomer Secretory Vesicle Cargo Adaptor. <i>Developmental Cell</i> , 2014, 30, 610-624.	3.1	28
30	Extensive GTPase crosstalk regulates Golgi trafficking and maturation. <i>Current Opinion in Cell Biology</i> , 2020, 65, 1-7.	2.6	27
31	Structural basis of TRAPPIII-mediated Rab1 activation. <i>EMBO Journal</i> , 2021, 40, e107607.	3.5	24
32	Autoregulation of Sec7 Arf-GEF activity and localization by positive feedback. <i>Small GTPases</i> , 2012, 3, 240-243.	0.7	23
33	Biochemical methods for studying kinetic regulation of Arf1 activation by Sec7. <i>Methods in Cell Biology</i> , 2015, 130, 101-126.	0.5	20
34	The Sec7 N-terminal regulatory domains facilitate membrane-proximal activation of the Arf1 GTPase. <i>ELife</i> , 2016, 5, .	2.8	17
35	Arf1 orchestrates Rab GTPase conversion at the trans-Golgi network. <i>Molecular Biology of the Cell</i> , 2021, 32, mbc.E20-10-0664.	0.9	15
36	The structural basis of Salmonella A2B5 toxin neutralization by antibodies targeting the glycan-receptor binding subunits. <i>Cell Reports</i> , 2021, 36, 109654.	2.9	13

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37	Structure of a TRAPP-II-Rab11 activation intermediate reveals GTPase substrate selection mechanisms. <i>Science Advances</i> , 2022, 8, eabn7446.	4.7	12
38	Distinct N-terminal regions of the exomer secretory vesicle cargo Chs3 regulate its trafficking itinerary. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 47.	1.8	11
39	The HUS box is required for allosteric regulation of the Sec7 Arf-GEF. <i>Journal of Biological Chemistry</i> , 2018, 293, 6682-6691.	1.6	10
40	Structural basis for the initiation of COPII vesicle biogenesis. <i>Structure</i> , 2021, 29, 859-872.e6.	1.6	10
41	The Exomer Cargo Adaptor Features a Flexible Hinge Domain. <i>Structure</i> , 2013, 21, 486-492.	1.6	8
42	Experimental evaluation of super-resolution imaging and magnification choice in single-particle cryo-EM. <i>Journal of Structural Biology: X</i> , 2021, 5, 100047.	0.7	8
43	Structural characterization of NrnC identifies unifying features of dinucleases. <i>ELife</i> , 2021, 10, .	2.8	6
44	Golgi membrane protein Erd1 is essential for recycling a subset of Golgi glycosyltransferases. <i>ELife</i> , 2021, 10, .	2.8	6
45	Analysis of Arf1 GTPase-Dependent Membrane Binding and Remodeling Using the Exomer Secretory Vesicle Cargo Adaptor. <i>Methods in Molecular Biology</i> , 2016, 1496, 41-53.	0.4	4
46	Membrane Trafficking: Licensing a Cargo Receptor for ER Export. <i>Current Biology</i> , 2015, 25, R67-R68.	1.8	3
47	Capturing endosomal vesicles at the Golgi. <i>Nature Cell Biology</i> , 2017, 19, 1384-1386.	4.6	3
48	Regulation of vesicle trafficking: GTPases and friends. <i>Molecular Biology of the Cell</i> , 2014, 25, 732-732.	0.9	1
49	Arf1 Directly Recruits the Pik1- $\text{Frq1}$ PI4K Complex to Regulate the Final Stages of Golgi Maturation. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
50	Investigating regulation of the PI 4-kinase Pik1 at the <i>Saccharomyces cerevisiae</i> trans-Golgi network. <i>FASEB Journal</i> , 2019, 33, 659.1.	0.2	0
51	Structural basis for specific activation of the Rab11 GTPase by the TRAPP-II complex. <i>FASEB Journal</i> , 2022, 36, .	0.2	0