

Stefan Pfeffer

List of Publications by Citations

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

46
papers

2,062
citations

23
h-index

45
g-index

53
ext. papers

2,848
ext. citations

14
avg, IF

5.08
L-index

#	Paper	IF	Citations
46	Visualizing the molecular sociology at the HeLa cell nuclear periphery. <i>Science</i> , 2016 , 351, 969-72	33.3	344
45	mTORC1 Controls Phase Separation and the Biophysical Properties of the Cytoplasm by Tuning Crowding. <i>Cell</i> , 2018 , 174, 338-349.e20	56.2	169
44	PyTom: a python-based toolbox for localization of macromolecules in cryo-electron tomograms and subtomogram analysis. <i>Journal of Structural Biology</i> , 2012 , 178, 177-88	3.4	149
43	Structure of the native Sec61 protein-conducting channel. <i>Nature Communications</i> , 2015 , 6, 8403	17.4	125
42	Structural basis for coupling protein transport and N-glycosylation at the mammalian endoplasmic reticulum. <i>Science</i> , 2018 , 360, 215-219	33.3	114
41	Structure of the mammalian oligosaccharyl-transferase complex in the native ER protein translocon. <i>Nature Communications</i> , 2014 , 5, 3072	17.4	104
40	A cryo-FIB lift-out technique enables molecular-resolution cryo-ET within native <i>Caenorhabditis elegans</i> tissue. <i>Nature Methods</i> , 2019 , 16, 757-762	21.6	90
39	Organization of the mitochondrial translation machinery studied in situ by cryoelectron tomography. <i>Nature Communications</i> , 2015 , 6, 6019	17.4	85
38	Dissecting the molecular organization of the translocon-associated protein complex. <i>Nature Communications</i> , 2017 , 8, 14516	17.4	82
37	An Update on Sec61 Channel Functions, Mechanisms, and Related Diseases. <i>Frontiers in Physiology</i> , 2017 , 8, 887	4.6	70
36	Structure and 3D arrangement of endoplasmic reticulum membrane-associated ribosomes. <i>Structure</i> , 2012 , 20, 1508-18	5.2	69
35	Biogenic regions of cyanobacterial thylakoids form contact sites with the plasma membrane. <i>Nature Plants</i> , 2019 , 5, 436-446	11.5	66
34	Fast and accurate reference-free alignment of subtomograms. <i>Journal of Structural Biology</i> , 2013 , 182, 235-45	3.4	56
33	Protein transport into the human endoplasmic reticulum. <i>Journal of Molecular Biology</i> , 2015 , 427, 1159-75	15	55
32	Insights into the assembly and activation of the microtubule nucleator γ TuRC. <i>Nature</i> , 2020 , 578, 467-475	50.4	54
31	Subtomogram analysis using the Volta phase plate. <i>Journal of Structural Biology</i> , 2017 , 197, 94-101	3.4	53
30	Structure of the Human Mitochondrial Ribosome Studied In Situ by Cryoelectron Tomography. <i>Structure</i> , 2017 , 25, 1574-1581.e2	5.2	51

29	Proteomics reveals signal peptide features determining the client specificity in human TRAP-dependent ER protein import. <i>Nature Communications</i> , 2018 , 9, 3765	17.4	37
28	Unravelling molecular complexity in structural cell biology. <i>Current Opinion in Structural Biology</i> , 2018 , 52, 111-118	8.1	36
27	Plasma cell deficiency in human subjects with heterozygous mutations in Sec61 translocon alpha 1 subunit (SEC61A1). <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 1427-1438	11.5	35
26	Autofocused 3D classification of cryoelectron subtomograms. <i>Structure</i> , 2014 , 22, 1528-37	5.2	33
25	Organization of the native ribosome-translocon complex at the mammalian endoplasmic reticulum membrane. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 2122-9	4	33
24	Template-free detection and classification of membrane-bound complexes in cryo-electron tomograms. <i>Nature Methods</i> , 2020 , 17, 209-216	21.6	25
23	MetAP-like Ebp1 occupies the human ribosomal tunnel exit and recruits flexible rRNA expansion segments. <i>Nature Communications</i> , 2020 , 11, 776	17.4	17
22	Microtubule nucleation: The waltz between β tubulin ring complex and associated proteins. <i>Current Opinion in Cell Biology</i> , 2021 , 68, 124-131	9	17
21	Mimicry of Canonical Translation Elongation Underlies Alanine Tail Synthesis in RQC. <i>Molecular Cell</i> , 2021 , 81, 104-114.e6	17.6	14
20	Deep learning improves macromolecule identification in 3D cellular cryo-electron tomograms. <i>Nature Methods</i> , 2021 , 18, 1386-1394	21.6	9
19	Functions and Mechanisms of the Human Ribosome-Translocon Complex. <i>Sub-Cellular Biochemistry</i> , 2019 , 93, 83-141	5.5	9
18	Structural impact of K63 ubiquitin on yeast translocating ribosomes under oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22157-22166	11.5	7
17	Reconstitution of the recombinant human β tubulin ring complex. <i>Open Biology</i> , 2021 , 11, 200325	7	7
16	TRAM1 protein may support ER protein import by modulating the phospholipid bilayer near the lateral gate of the Sec61-channel. <i>Channels</i> , 2020 , 14, 28-44	3	6
15	Detection and identification of macromolecular complexes in cryo-electron tomograms using support vector machines 2012 ,		6
14	The structure of the β TuRC: a 25-years-old molecular puzzle. <i>Current Opinion in Structural Biology</i> , 2021 , 66, 15-21	8.1	6
13	How to build a ribosome from RNA fragments in Chlamydomonas mitochondria. <i>Nature Communications</i> , 2021 , 12, 7176	17.4	5
12	Modular assembly of the principal microtubule nucleator β TuRC.. <i>Nature Communications</i> , 2022 , 13, 473	17.4	4

11	The cryo-EM structure of a β TuSC elucidates architecture and regulation of minimal microtubule nucleation systems. <i>Nature Communications</i> , 2020 , 11, 5705	17.4	4
10	Structural Biology in Situ Using Cryo-Electron Subtomogram Analysis 2018 , 237-259		3
9	Sec61: A static framework for membrane-protein insertion. <i>Channels</i> , 2016 , 10, 167-9	3	2
8	Bacterial ribosome collision sensing by a MutS DNA repair ATPase paralogue.. <i>Nature</i> , 2022 ,	50.4	2
7	Towards High Resolution in Cryo-Electron Tomography Subtomogram Analysis. <i>Microscopy and Microanalysis</i> , 2017 , 23, 812-813	0.5	1
6	Automated detection of polysomes in cryoelectron tomography 2014 ,		1
5	The gamma-tubulin ring complex: Deciphering the molecular organization and assembly mechanism of a major vertebrate microtubule nucleator. <i>BioEssays</i> , 2021 , 43, e2100114	4.1	1
4	Ribosome-associated quality-control mechanisms from bacteria to humans.. <i>Molecular Cell</i> , 2022 , 82, 1451-1466	17.6	1
3	Cryo-FIB Lamella Milling: A Comprehensive Technique to Prepare Samples of Both Plunge- and High-pressure Frozen-hydrated Specimens for in situ Studies.. <i>Microscopy and Microanalysis</i> , 2018 , 24, 820-821	0.5	0
2	Einblicke in die Entstehung von Mikrotubuli. <i>BioSpektrum</i> , 2020 , 26, 145-147	0.1	
1	Proteintranslation und Prozessierung in physiologischer Umgebung abgebildet. <i>BioSpektrum</i> , 2015 , 21, 385-387	0.1	