Mikhail Kudryashev

List of Publications by Year
in descending order

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Version: 2024-02-01

53	3,388	172207	182168
papers	citations	29 h-index	51 g-index

57	57	57	4295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	KAHRP dynamically relocalizes to remodeled actin junctions and associates with knob spirals in Plasmodium falciparumâ€infected erythrocytes. Molecular Microbiology, 2022, 117, 274-292.	1.2	7
2	Structural basis of phosphatidylinositol 3-kinase C2Î± function. Nature Structural and Molecular Biology, 2022, 29, 218-228.	3.6	14
3	Asymmetric opening of the homopentameric 5-HT3A serotonin receptor in lipid bilayers. Nature Communications, 2021, 12, 1074.	5.8	41
4	Structure of the Yersinia injectisome in intracellular host cell phagosomes revealed by cryo FIB electron tomography. Journal of Structural Biology, 2021, 213, 107701.	1.3	28
5	Structure of the merozoite surface protein 1 from Plasmodium falciparum. Science Advances, 2021, 7, .	4.7	15
6	Subnanometer-resolution structure determination in situ by hybrid subtomogram averaging - single particle cryo-EM. Nature Communications, 2020, 11, 3709.	5.8	44
7	Structure of RyR1 in native membranes. EMBO Reports, 2020, 21, e49891.	2.0	32
8	Structure and assembly of the mitochondrial membrane remodelling GTPase Mgm1. Nature, 2019, 571, 429-433.	13.7	86
9	Curvature induction and membrane remodeling by FAM134B reticulon homology domain assist selective ER-phagy. Nature Communications, 2019, 10, 2370.	5.8	147
10	Subtomogram averaging from cryo-electron tomograms. Methods in Cell Biology, 2019, 152, 217-259.	0.5	38
11	Fast Alignment of Limited Angle Tomograms by projected Cross Correlation. , 2019, , .		3
12	Fast Cross Correlation for Limited Angle Tomographic Data. Lecture Notes in Computer Science, 2019, , 415-426.	1.0	4
13	Resolution in Electron Tomography. Biological and Medical Physics Series, 2018, , 261-282.	0.3	5
14	Nuclear Pore Complex Components in the Malaria Parasite Plasmodium berghei. Scientific Reports, 2018, 8, 11249.	1.6	19
15	Membrane vesicle secretion and prophage induction in multidrugâ€resistant Stenotrophomonas maltophilia in response to ciprofloxacin stress. Environmental Microbiology, 2017, 19, 3930-3937.	1.8	60
16	Cryo-EM structure of the extended type VI secretion system sheathâ€“tube complex. Nature Microbiology, 2017, 2, 1507-1512.	5.9	107
17	Functional insights into pathogen biology from 3D electron microscopy. FEMS Microbiology Reviews, 2017, 41, 828-853.	3.9	10
18	Dynamo Catalogue: Geometrical tools and data management for particle picking in subtomogram averaging of cryo-electron tomograms. Journal of Structural Biology, 2017, 197, 135-144.	1.3	108

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19	The Structure of the Mouse Serotonin 5-HT 3 Receptor in Lipid Vesicles. Structure, 2016, 24, 165-170.	1.6	36
20	Recent progress in structure and dynamics of dual-membrane-spanning bacterial nanomachines. Current Opinion in Structural Biology, 2016, 39, 1-7.	2.6	13
21	Structure of a bacterial type III secretion system in contact with a host membrane in situ. Nature Communications, 2015, 6, 10114.	5.8	92
22	Structure of the Type VI Secretion System Contractile Sheath. Cell, 2015, 160, 952-962.	13.5	216
23	De novo protein structure determination from near-atomic-resolution cryo-EM maps. Nature Methods, 2015, 12, 335-338.	9.0	172
24	Composition, Formation, and Regulation of the Cytosolic C-ring, a Dynamic Component of the Type III Secretion Injectisome. PLoS Biology, 2015, 13, e1002039.	2.6	98
25	<scp>Y</scp>ersinia enterocolitica type <scp>III</scp> secretion injectisomes form regularly spaced clusters, which incorporate new machines upon activation. Molecular Microbiology, 2015, 95, 875-884.	1.2	30
26	Clostridium difficile toxin CDT hijacks microtubule organization and reroutes vesicle traffic to increase pathogen adherence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2313-2318.	3.3	78
27	The ultrastructure of Chlorobaculum tepidum revealed by cryo-electron tomography. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1635-1642.	0.5	14
28	Molecular assembly of the aerolysin pore reveals a swirling membrane-insertion mechanism. Nature Chemical Biology, 2013, 9, 623-629.	3.9	183
29	Cryo-electron tomography reveals four-membrane architecture of the Plasmodium apicoplast. Malaria Journal, 2013, 12, 25.	0.8	44
30	Structure of the Dodecameric Yersinia enterocolitica Secretin YscC and Its Trypsin-Resistant Core. Structure, 2013, 21, 2152-2161.	1.6	33
31	Electron tomography ofPlasmodium falciparummerozoites reveals core cellular events that underpin erythrocyte invasion. Cellular Microbiology, 2013, 15, 1457-1472.	1.1	82
32	In situ structural analysis of the Yersinia enterocolitica injectisome. ELife, 2013, 2, e00792.	2.8	109
33	Structural basis for chirality and directional motility ofPlasmodiumsporozoites. Cellular Microbiology, 2012, 14, 1757-1768.	1.1	58
34	Improving the quality of electron tomography image volumes using pre-reconstruction filtering. Journal of Structural Biology, 2012, 180, 132-142.	1.3	16
35	LIMITING FACTORS IN SINGLE PARTICLE CRYO ELECTRON TOMOGRAPHY. Computational and Structural Biotechnology Journal, 2012, 1, e201207002.	1.9	28
36	Assessing the benefits of focal pair cryo-electron tomography. Journal of Structural Biology, 2012, 178, 88-97.	1.3	8

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37	Dynamo: A flexible, user-friendly development tool for subtomogram averaging of cryo-EM data in high-performance computing environments. Journal of Structural Biology, 2012, 178, 139-151.	1.3	376
38	Evidence of direct cell-cell fusion in Borrelia by cryogenic electron tomography. Cellular Microbiology, 2011, 13, 731-741.	1.1	18
39	Interaction of complexes I, III, and IV within the bovine respirasome by single particle cryoelectron tomography. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15196-15200.	3.3	170
40	Environmental Constraints Guide Migration of Malaria Parasites during Transmission. PLoS Pathogens, 2011, 7, e1002080.	2.1	57
41	Geometric constrains for detecting short actin filaments by cryogenic electron tomography. PMC Biophysics, 2010, 3, 6.	2.2	37
42	Positioning of large organelles by a membrane- associated cytoskeleton inPlasmodiumsporozoites. Cellular Microbiology, 2010, 12, 362-371.	1.1	74
43	Key factors regulating Plasmodium berghei sporozoite survival and transformation revealed by an automated visual assay. FASEB Journal, 2010, 24, 5003-5012.	0.2	20
44	Distinct in situ structures of the Borrelia flagellar motor. Journal of Structural Biology, 2010, 169, 54-61.	1.3	49
45	Key factors regulatingPlasmodium bergheisporozoite survival and transformation revealed by an automated visual assay. FASEB Journal, 2010, 24, 5003-5012.	0.2	11
46	Comparative cryoâ€electron tomography of pathogenic Lyme disease spirochetes. Molecular Microbiology, 2009, 71, 1415-1434.	1.2	73
47	Automated classification of Plasmodium sporozoite movement patterns reveals a shift towards productive motility during salivary gland infection. Biotechnology Journal, 2009, 4, 903-913.	1.8	63
48	Plasmodium Sporozoite Motility Is Modulated by the Turnover of Discrete Adhesion Sites. Cell Host and Microbe, 2009, 6, 551-562.	5.1	163
49	Cryo-Electron Tomography of Malaria Parasites. Microscopy and Microanalysis, 2009, 15, 864-865.	0.2	0
50	Imaging Motile Pathogens by Light microscopy and Cryo-electron Tomography. Microscopy and Microanalysis, 2009, 15, 80-81.	0.2	0
51	Cryoelectron tomography reveals periodic material at the inner side of subpellicular microtubules in apicomplexan parasites. Journal of Experimental Medicine, 2007, 204, 1281-1287.	4.2	86
52	Special: Biotech in Russia. Biotechnology Journal, 2007, 2, 775-789.	1.8	1
53	Luminal particles within cellular microtubules. Journal of Cell Biology, 2006, 174, 759-765.	2.3	111