

Khanh Huy Bui

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

4,683
citations

201385

27
h-index

329751

37
g-index

51
all docs

51
docs citations

51
times ranked

6209
citing authors

#	ARTICLE	IF	CITATIONS
1	The amyloid- β 42-oligomer interacting peptide D-AIP possesses favorable biostability, pharmacokinetics, and brain region distribution. <i>Journal of Biological Chemistry</i> , 2022, 298, 101483.	1.6	1
2	Preparation of Doublet Microtubule Fraction for Single Particle Cryo-electron Microscopy. <i>Bio-protocol</i> , 2021, 11, e4041.	0.2	7
3	Local computational methods to improve the interpretability and analysis of cryo-EM maps. <i>Nature Communications</i> , 2021, 12, 1240.	5.8	36
4	Crystal structure of human PACRG in complex with MEIG1 reveals roles in axoneme formation and tubulin binding. <i>Structure</i> , 2021, 29, 572-586.e6.	1.6	19
5	Local computational methods to improve the interpretability and analysis of cryo-EM maps. <i>Microscopy and Microanalysis</i> , 2021, 27, 76-78.	0.2	0
6	Remodeling and activation mechanisms of outer arm dyneins revealed by cryo-EM. <i>EMBO Reports</i> , 2021, 22, e52911.	2.0	39
7	Nanoscale characterization of the biomolecular corona by cryo-electron microscopy, cryo-electron tomography, and image simulation. <i>Nature Communications</i> , 2021, 12, 573.	5.8	61
8	Identification and mapping of central pair proteins by proteomic analysis. <i>Biophysics and Physicobiology</i> , 2020, 17, 71-85.	0.5	28
9	The inner junction complex of the cilia is an interaction hub that involves tubulin post-translational modifications. <i>ELife</i> , 2020, 9, .	2.8	1,191
10	Cryo-electron microscopy structures of ArnA, a key enzyme for polymyxin resistance, revealed unexpected oligomerizations and domain movements. <i>Journal of Structural Biology</i> , 2019, 208, 43-50.	1.3	5
11	Successive Kinesin-5 Microtubule Crosslinking and Sliding Promote Fast, Irreversible Formation of a Stereotyped Bipolar Spindle. <i>Current Biology</i> , 2019, 29, 3825-3837.e3.	1.8	15
12	Tubulin lattice in cilia is in a stressed form regulated by microtubule inner proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19930-19938.	3.3	61
13	Cryo electron tomography with volta phase plate reveals novel structural foundations of the 96-nm axonemal repeat in the pathogen <i>Trypanosoma brucei</i> . <i>ELife</i> , 2019, 8, .	2.8	46
14	Microtubule Inner Proteins: A Meshwork of Luminal Proteins Stabilizing the Doublet Microtubule. <i>BioEssays</i> , 2018, 40, 1700209.	1.2	53
15	Nanostructure, osteopontin, and mechanical properties of calcitic avian eggshell. <i>Science Advances</i> , 2018, 4, eaar3219.	4.7	86
16	X-Ray Crystallography and Electron Microscopy of Cross- and Multi-Module Nonribosomal Peptide Synthetase Proteins Reveal a Flexible Architecture. <i>Structure</i> , 2017, 25, 783-793.e4.	1.6	90
17	Subnanometre-resolution structure of the doublet microtubule reveals new classes of microtubule-associated proteins. <i>Nature Communications</i> , 2017, 8, 15035.	5.8	98
18	Capturing protein communities by structural proteomics in a thermophilic eukaryote. <i>Molecular Systems Biology</i> , 2017, 13, 936.	3.2	108

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19	Pre-assembled Nuclear Pores Insert into the Nuclear Envelope during Early Development. <i>Cell</i> , 2016, 166, 664-678.	13.5	101
20	Molecular architecture of the inner ring scaffold of the human nuclear pore complex. <i>Science</i> , 2016, 352, 363-365.	6.0	284
21	Nuclear pore assembly proceeds by an inside-out extrusion of the nuclear envelope. <i>ELife</i> , 2016, 5, .	2.8	143
22	Structural basis for assembly and function of the Nup82 complex in the nuclear pore scaffold. <i>Journal of Cell Biology</i> , 2015, 208, 283-297.	2.3	64
23	In situ structural analysis of the human nuclear pore complex. <i>Nature</i> , 2015, 526, 140-143.	13.7	361
24	± and 2-Tubulin Lattice of the Axonemal Microtubule Doublet and Binding Proteins Revealed by Single Particle Cryo-Electron Microscopy and Tomography. <i>Structure</i> , 2015, 23, 1584-1595.	1.6	41
25	Structure of dimeric axonemal dynein in cilia suggests an alternative mechanism of force generation. <i>Cytoskeleton</i> , 2014, 71, 412-422.	1.0	30
26	Integrated Structural Analysis of the Human Nuclear Pore Complex Scaffold. <i>Cell</i> , 2013, 155, 1233-1243.	13.5	321
27	Fourier ring correlation as a resolution criterion for super-resolution microscopy. <i>Journal of Structural Biology</i> , 2013, 183, 363-367.	1.3	269
28	Facilitated aggregation of FG nucleoporins under molecular crowding conditions. <i>EMBO Reports</i> , 2013, 14, 178-183.	2.0	78
29	3D Structural Analysis of Flagella/Cilia by Cryo-Electron Tomography. <i>Methods in Enzymology</i> , 2013, 524, 305-323.	0.4	34
30	Polarity and asymmetry in the arrangement of dynein and related structures in the <i>Chlamydomonas</i> axoneme. <i>Journal of Cell Biology</i> , 2012, 198, 913-925.	2.3	182
31	Revisiting the Supramolecular Organization of Photosystem II in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 31574-31581.	1.6	100
32	Analysis of Ciliary Motion and the Axonemal Structure in the Mouse Respiratory Cilia. , 2012, , .		0
33	Comparative structural analysis of eukaryotic flagella and cilia from <i>Chlamydomonas</i> , <i>Tetrahymena</i> , and sea urchins. <i>Journal of Structural Biology</i> , 2012, 178, 199-206.	1.3	90
34	Mouse respiratory cilia with the asymmetric axonemal structure on sparsely distributed ciliary cells can generate overall directional flow. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1081-1087.	1.7	34
35	Three-dimensional structural analysis of eukaryotic flagella/cilia by electron cryo-tomography. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 2-5.	1.0	24
36	Cryoelectron tomography of radial spokes in cilia and flagella. <i>Journal of Cell Biology</i> , 2011, 195, 673-687.	2.3	157

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37	Nucleotide-induced global conformational changes of flagellar dynein arms revealed by in situ analysis. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 761-767.	3.6	110
38	Asymmetry of inner dynein arms and inter-doublet links in <i>Chlamydomonas</i> flagella. <i>Journal of Cell Biology</i> , 2009, 186, 437-446.	2.3	131
39	Molecular architecture of inner dynein arms in situ in <i>Chlamydomonas reinhardtii</i> flagella. <i>Journal of Cell Biology</i> , 2008, 183, 923-932.	2.3	155