

Gaia Pigino

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,098
citations

304368

22
h-index

344852

36
g-index

52
all docs

52
docs citations

52
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubule doublets are double-track railways for intraflagellar transport trains. <i>Science</i> , 2016, 352, 721-724.	6.0	223
2	Electron-tomographic analysis of intraflagellar transport particle trains in situ. <i>Journal of Cell Biology</i> , 2009, 187, 135-148.	2.3	187
3	Cryoelectron tomography of radial spokes in cilia and flagella. <i>Journal of Cell Biology</i> , 2011, 195, 673-687.	2.3	157
4	The cryo-EM structure of intraflagellar transport trains reveals how dynein is inactivated to ensure unidirectional anterograde movement in cilia. <i>Nature Cell Biology</i> , 2018, 20, 1250-1255.	4.6	146
5	The molecular structure of mammalian primary cilia revealed by cryo-electron tomography. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1115-1124.	3.6	118
6	DNAH11 Localization in the Proximal Region of Respiratory Cilia Defines Distinct Outer Dynein Arm Complexes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 213-224.	1.4	107
7	The effects of heavy metal contamination on the soil arthropod community of a shooting range. <i>Environmental Pollution</i> , 2004, 129, 331-340.	3.7	105
8	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
9	Tubulin glycylation controls axonemal dynein activity, flagellar beat, and male fertility. <i>Science</i> , 2021, 371, .	6.0	84
10	Cryo-CARE: Content-Aware Image Restoration for Cryo-Transmission Electron Microscopy Data. , 2019, , .		74
11	Three-dimensional mass density mapping of cellular ultrastructure by ptychographic X-ray nanotomography. <i>Journal of Structural Biology</i> , 2015, 192, 461-469.	1.3	72
12	Content-aware image restoration for electron microscopy. <i>Methods in Cell Biology</i> , 2019, 152, 277-289.	0.5	71
13	Axonemal radial spokes. <i>Bioarchitecture</i> , 2012, 2, 50-58.	1.5	60
14	Soil communities (Acari Oribatida; Hexapoda Collembola) in a clay pigeon shooting range. <i>Pedobiologia</i> , 2005, 49, 1-13.	0.5	55
15	The Bergerâ€Parker index as an effective tool for monitoring the biodiversity of disturbed soils: a case study on Mediterranean oribatid (Acari: Oribatida) assemblages. <i>Biodiversity and Conservation</i> , 2007, 16, 3277-3285.	1.2	54
16	Reorganization of budding yeast cytoplasm upon energy depletion. <i>Molecular Biology of the Cell</i> , 2020, 31, 1232-1245.	0.9	39
17	Intraflagellar transport. <i>Current Biology</i> , 2021, 31, R530-R536.	1.8	38
18	The structural basis of intraflagellar transport at a glance. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	37

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19	Fine structure of the midgut and Malpighian papillae in <i>Campodea</i> (Monocampa) <i>quilisi</i> Silvestri, 1932 (Hexapoda, Diplura) with special reference to the metal composition and physiological significance of midgut intracellular electron-dense granules. <i>Tissue and Cell</i> , 2005, 37, 223-232.	1.0	36
20	Microridges are apical epithelial projections formed of F-actin networks that organize the glycan layer. <i>Scientific Reports</i> , 2019, 9, 12191.	1.6	31
21	Ccdc113/Ccdc96 complex, a novel regulator of ciliary beating that connects radial spoke 3 to dynein g and the nexin link. <i>PLoS Genetics</i> , 2021, 17, e1009388.	1.5	31
22	A WDR35-dependent coat protein complex transports ciliary membrane cargo vesicles to cilia. <i>ELife</i> , 2021, 10, .	2.8	29
23	<i>In vivo</i> imaging shows continued association of several IFT-A, IFT-B and dynein complexes while IFT trains U-turn at the tip. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	28
24	Localisation of heavy metals in the midgut epithelial cells of <i>Xenillus tegeocranus</i> (Hermann, 1804) (Acari: Oribatida). <i>Ecotoxicology and Environmental Safety</i> , 2006, 64, 257-263.	2.9	27
25	Artifact characterization and reduction in scanning X-ray Zernike phase contrast microscopy. <i>Optics Express</i> , 2015, 23, 13278.	1.7	27
26	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
27	JUST (Java User Segmentation Tool) for semi-automatic segmentation of tomographic maps. <i>Journal of Structural Biology</i> , 2008, 161, 287-297.	1.3	22
28	Simultaneous alignment of dual-axis tilt series. <i>Journal of Structural Biology</i> , 2010, 169, 192-199.	1.3	19
29	Filament formation by the translation factor eIF2B regulates protein synthesis in starved cells. <i>Biology Open</i> , 2020, 9, .	0.6	18
30	The Berger-Parker index as an effective tool for monitoring the biodiversity of disturbed soils: a case study on Mediterranean oribatid (Acari: Oribatida) assemblages. , 2006, , 35-43.		9
31	Millisecond time resolution correlative light and electron microscopy for dynamic cellular processes. <i>Methods in Cell Biology</i> , 2017, 140, 1-20.	0.5	8
32	In situ cryo-electron tomography and subtomogram averaging of intraflagellar transport trains. <i>Methods in Cell Biology</i> , 2019, 152, 179-195.	0.5	8
33	Fabrication of High Aspect Ratio Gold Nanowires within the Microtubule Lumen. <i>Nano Letters</i> , 2022, 22, 3659-3667.	4.5	8
34	Electron Tomography of IFT Particles. <i>Methods in Enzymology</i> , 2013, 524, 325-342.	0.4	6
35	Towards a mechanistic understanding of cellular processes by cryoEM. <i>Current Opinion in Structural Biology</i> , 2019, 58, 149-158.	2.6	4
36	Switching dynein motors on and off. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 557-559.	3.6	3

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37	Addendum to "Three-dimensional mass density mapping of cellular ultrastructure by ptychographic X-ray nanotomography". J. Struct. Biol. 192 (2015) 461-469. Journal of Structural Biology, 2016, 193, 83.	1.3	2
38	Preface. Methods in Cell Biology, 2019, 152, xiii.	0.5	1
39	Networks of Dynein and Regulatory Proteins in Flagella/Cilia Visualized by Electron Cryo-Tomography. Biophysical Journal, 2012, 102, 39a.	0.2	0
40	In vivo three-dimensional structural analysis of cilia by cryo-electron tomography. Cilia, 2012, 1, .	1.8	0
41	Microtubule dynamics: 50 years after the discovery of tubulin and still going strong. Molecular Biology of the Cell, 2017, 28, 705-706.	0.9	0
42	Yeast membraneless compartments revealed by correlative light microscopy and electron tomography. Methods in Cell Biology, 2019, 152, 103-117.	0.5	0