

Daisuke Takao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

582
citations

687363

13
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	Nu <scp>MA</scp> assemblies organize microtubule asters to establish spindle bipolarity in acentrosomal human cells. <i>EMBO Journal</i> , 2020, 39, e102378.	7.8	97
2	Gated entry into the ciliary compartment. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 119-127.	5.4	63
3	Asymmetric distribution of dynamic calcium signals in the node of mouse embryo during left-right axis formation. <i>Developmental Biology</i> , 2013, 376, 23-30.	2.0	62
4	The Cep57-pericentrin module organizes PCM expansion and centriole engagement. <i>Nature Communications</i> , 2019, 10, 931.	12.8	54
5	An Assay for Clogging the Ciliary Pore Complex Distinguishes Mechanisms of Cytosolic and Membrane Protein Entry. <i>Current Biology</i> , 2014, 24, 2288-2294.	3.9	50
6	Protein Interaction Analysis Provides a Map of the Spatial and Temporal Organization of the Ciliary Gating Zone. <i>Current Biology</i> , 2017, 27, 2296-2306.e3.	3.9	38
7	Axonemal Lumen Dominates Cytosolic Protein Diffusion inside the Primary Cilium. <i>Scientific Reports</i> , 2017, 7, 15793.	3.3	33
8	A theory of centriole duplication based on self-organized spatial pattern formation. <i>Journal of Cell Biology</i> , 2019, 218, 3537-3547.	5.2	25
9	FRAP analysis of molecular diffusion inside sea-urchin spermatozoa. <i>Journal of Experimental Biology</i> , 2008, 211, 3594-3600.	1.7	24
10	Robust classification of cell cycle phase and biological feature extraction by image-based deep learning. <i>Molecular Biology of the Cell</i> , 2020, 31, 1346-1354.	2.1	22
11	Centriole and PCM cooperatively recruit CEP192 to spindle poles to promote bipolar spindle assembly. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	21
12	Feedback loops in the Plk4-STIL-HsSAS6 network coordinate site selection for procentriole formation. <i>Biology Open</i> , 2019, 8, .	1.2	20
13	High-Speed Imaging of Amoeboid Movements Using Light-Sheet Microscopy. <i>PLoS ONE</i> , 2012, 7, e50846.	2.5	16
14	Quick Shear-Flow Alignment of Biological Filaments for X-ray Fiber Diffraction Facilitated by Methylcellulose. <i>Biophysical Journal</i> , 2009, 97, 3132-3138.	0.5	13
15	NPHP proteins are binding partners of nucleoporins at the base of the primary cilium. <i>PLoS ONE</i> , 2019, 14, e0222924.	2.5	13
16	Geometry-Specific Heterogeneity of the Apparent Diffusion Rate of Materials Inside Sperm Cells. <i>Biophysical Journal</i> , 2010, 98, 1582-1588.	0.5	7
17	Single-Cell Electroporation of Fluorescent Probes into Sea Urchin Sperm Cells and Subsequent FRAP Analysis. <i>Zoological Science</i> , 2010, 27, 279.	0.7	5
18	Structure Optimization of Gatastatin for the Development of β -Tubulin-Specific Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1125-1129.	2.8	5

#	ARTICLE	IF	CITATIONS
19	X-ray diffraction recording from single axonemes of eukaryotic flagella. Journal of Structural Biology, 2012, 178, 329-337.	2.8	3
20	Simulation of intra-ciliary diffusion suggests a novel role of primary cilia as a cell-signaling enhancer. Development Growth and Differentiation, 2017, 59, 415-422.	1.5	3
21	Methods for Studying Ciliary Import Mechanisms. Methods in Molecular Biology, 2016, 1454, 1-14.	0.9	1
22	1P213 A new function of cilia, cell-signaling enhancer, revealed by the simulation analysis of intra-ciliary diffusion (Cell biology, The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2010, 50, S56-S57.	0.1	0