

Chii J Chan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,160
citations

687363

13
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

1628
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue hydraulics in reproduction. <i>Seminars in Cell and Developmental Biology</i> , 2022, , ,	5.0	5
2	Luminogenesis and hydraulics in development. <i>Seminars in Cell and Developmental Biology</i> , 2022, 131, 108-109.	5.0	1
3	High-resolution line-scanning Brillouin microscopy for fast and low phototoxicity live-imaging of mechanical properties in biology. , 2021, , ,		1
4	Inferring cell junction tension and pressure from cell geometry. <i>Development (Cambridge)</i> , 2021, 148, dev192773.	2.5	24
5	Cell fate coordinates mechano-osmotic forces in intestinal crypt formation. <i>Nature Cell Biology</i> , 2021, 23, 733-744.	10.3	102
6	Mechanical mapping of mammalian follicle development using Brillouin microscopy. <i>Communications Biology</i> , 2021, 4, 1133.	4.4	21
7	Introductions to the Community: Early-Career Researchers in the Time of COVID-19. <i>Cell Stem Cell</i> , 2020, 27, 702-704.	11.1	0
8	Integration of luminal pressure and signalling in tissue self-organization. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	38
9	Hydraulic control of mammalian embryo size and cell fate. <i>Nature</i> , 2019, 571, 112-116.	27.8	216
10	Lumen Expansion Facilitates Epiblast-Primitive Endoderm Fate Specification during Mouse Blastocyst Formation. <i>Developmental Cell</i> , 2019, 51, 684-697.e4.	7.0	58
11	Volume Transitions of Isolated Cell Nuclei Induced by Rapid Temperature Increase. <i>Biophysical Journal</i> , 2017, 112, 1063-1076.	0.5	32
12	Coordination of Morphogenesis and Cell-Fate Specification in Development. <i>Current Biology</i> , 2017, 27, R1024-R1035.	3.9	171
13	Keeping in Touch to Differentiate. <i>Developmental Cell</i> , 2017, 43, 113-114.	7.0	1
14	Cell nuclei have lower refractive index and mass density than cytoplasm. <i>Journal of Biophotonics</i> , 2016, 9, 1068-1076.	2.3	139
15	Unique Mechanical Properties of Cell Nuclei Regulated by Chromatin. <i>Biophysical Journal</i> , 2015, 108, 540a.	0.5	0
16	Refractive index measurements of single, spherical cells using digital holographic microscopy. <i>Methods in Cell Biology</i> , 2015, 125, 143-159.	1.1	30
17	Myosin II Activity Softens Cells in Suspension. <i>Biophysical Journal</i> , 2015, 108, 1856-1869.	0.5	96
18	Single-cell diffraction tomography with optofluidic rotation about a tilted axis. <i>Proceedings of SPIE</i> , 2015, , ,	0.8	5

#	ARTICLE	IF	CITATIONS
19	Impact of heating on passive and active biomechanics of suspended cells. Interface Focus, 2014, 4, 20130069.	3.0	39
20	Chromatin Decondensation and Nuclear Softening Accompany Nanog Downregulation in Embryonic Stem Cells. Biophysical Journal, 2012, 103, 2060-2070.	0.5	153
21	Non-Equilibrium Statistical Mechanics of Nematic Liquids. The IMA Volumes in Mathematics and Its Applications, 2005, , 27-84.	0.5	1