

Chii J Chan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8702006/publications.pdf>

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	Hydraulic control of mammalian embryo size and cell fate. <i>Nature</i> , 2019, 571, 112-116.	27.8	216
2	Coordination of Morphogenesis and Cell-Fate Specification in Development. <i>Current Biology</i> , 2017, 27, R1024-R1035.	3.9	171
3	Chromatin Decondensation and Nuclear Softening Accompany Nanog Downregulation in Embryonic Stem Cells. <i>Biophysical Journal</i> , 2012, 103, 2060-2070.	0.5	153
4	Cell nuclei have lower refractive index and mass density than cytoplasm. <i>Journal of Biophotonics</i> , 2016, 9, 1068-1076.	2.3	139
5	Cell fate coordinates mechano-osmotic forces in intestinal crypt formation. <i>Nature Cell Biology</i> , 2021, 23, 733-744.	10.3	102
6	Myosin II Activity Softens Cells in Suspension. <i>Biophysical Journal</i> , 2015, 108, 1856-1869.	0.5	96
7	Lumen Expansion Facilitates Epiblast-Primitive Endoderm Fate Specification during Mouse Blastocyst Formation. <i>Developmental Cell</i> , 2019, 51, 684-697.e4.	7.0	58
8	Impact of heating on passive and active biomechanics of suspended cells. <i>Interface Focus</i> , 2014, 4, 20130069.	3.0	39
9	Integration of luminal pressure and signalling in tissue self-organization. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	38
10	Volume Transitions of Isolated Cell Nuclei Induced by Rapid Temperature Increase. <i>Biophysical Journal</i> , 2017, 112, 1063-1076.	0.5	32
11	Refractive index measurements of single, spherical cells using digital holographic microscopy. <i>Methods in Cell Biology</i> , 2015, 125, 143-159.	1.1	30
12	Inferring cell junction tension and pressure from cell geometry. <i>Development (Cambridge)</i> , 2021, 148, dev192773.	2.5	24
13	Mechanical mapping of mammalian follicle development using Brillouin microscopy. <i>Communications Biology</i> , 2021, 4, 1133.	4.4	21
14	Single-cell diffraction tomography with optofluidic rotation about a tilted axis. <i>Proceedings of SPIE</i> , 2015, , .	0.8	5
15	Tissue hydraulics in reproduction. <i>Seminars in Cell and Developmental Biology</i> , 2022, , .	5.0	5
16	Keeping in Touch to Differentiate. <i>Developmental Cell</i> , 2017, 43, 113-114.	7.0	1
17	High-resolution line-scanning Brillouin microscopy for fast and low phototoxicity live-imaging of mechanical properties in biology. , 2021, , .		1
18	Non-Equilibrium Statistical Mechanics of Nematic Liquids. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2005, , 27-84.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Luminogenesis and hydraulics in development. <i>Seminars in Cell and Developmental Biology</i> , 2022, 131, 108-109.	5.0	1
20	Unique Mechanical Properties of Cell Nuclei Regulated by Chromatin. <i>Biophysical Journal</i> , 2015, 108, 540a.	0.5	0
21	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