

Rachel M Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2088031/publications.pdf>

Version: 2024-02-01

21
papers

321
citations

840776

11
h-index

940533

16
g-index

24
all docs

24
docs citations

24
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying stretching and rearrangement in epithelial sheet migration. <i>New Journal of Physics</i> , 2013, 15, 025036.	2.9	34
2	Collective cell migration has distinct directionality and speed dynamics. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3841-3850.	5.4	33
3	The Mechanical Microenvironment in Breast Cancer. <i>Cancers</i> , 2020, 12, 1452.	3.7	32
4	Quantifying topography-guided actin dynamics across scales using optical flow. <i>Molecular Biology of the Cell</i> , 2020, 31, 1753-1764.	2.1	26
5	Multivalent ions control the transport through lysenin channels. <i>Biophysical Chemistry</i> , 2010, 152, 40-45.	2.8	21
6	Controlled Gating of Lysin Pores. <i>Biophysical Chemistry</i> , 2010, 146, 25-29.	2.8	20
7	Mechanoactivation of NOX2-generated ROS elicits persistent TRPM8 Ca ²⁺ signals that are inhibited by oncogenic KRas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26008-26019.	7.1	19
8	Single-Cell Tracking of Breast Cancer Cells Enables Prediction of Sphere Formation from Early Cell Divisions. <i>IScience</i> , 2018, 8, 29-39.	4.1	16
9	Collective cell migration over long time scales reveals distinct phenotypes. <i>Convergent Science Physical Oncology</i> , 2016, 2, 025001.	2.6	14
10	Microtubule disruption reduces metastasis more effectively than primary tumor growth. <i>Breast Cancer Research</i> , 2022, 24, 13.	5.0	14
11	When light meets biology – how the specimen affects quantitative microscopy. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	13
12	Lysophosphatidic acid regulates the motility of MCF10CA1a breast cancer cell sheets via two opposing signaling pathways. <i>Cellular Signalling</i> , 2018, 45, 1-11.	3.6	12
13	Partial thermal imidization of polyelectrolyte multilayer cell tethering surfaces (TetherChip) enables efficient cell capture and microtentacle fixation for circulating tumor cell analysis. <i>Lab on A Chip</i> , 2020, 20, 2872-2888.	6.0	12
14	Distinct roles of tumor associated mutations in collective cell migration. <i>Scientific Reports</i> , 2021, 11, 10291.	3.3	12
15	Inferring single-cell behaviour from large-scale epithelial sheet migration patterns. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170147.	3.4	11
16	Real-time scratch assay reveals mechanisms of early calcium signaling in breast cancer cells in response to wounding. <i>Oncotarget</i> , 2018, 9, 25008-25024.	1.8	11
17	Label-free cell tracking enables collective motion phenotyping in epithelial monolayers. <i>IScience</i> , 2022, 25, 104678.	4.1	6
18	Dynamics phenotyping across length and time scales in collective cell migration. <i>Seminars in Cell and Developmental Biology</i> , 2019, 93, 69-76.	5.0	5

#	ARTICLE	IF	CITATIONS
19	Microtentacle Formation in Ovarian Carcinoma. <i>Cancers</i> , 2022, 14, 800.	3.7	3
20	Tubulin Carboxypeptidase Activity Promotes Focal Gelatin Degradation in Breast Tumor Cells and Induces Apoptosis in Breast Epithelial Cells That Is Overcome by Oncogenic Signaling. <i>Cancers</i> , 2022, 14, 1707.	3.7	3
21	Abstract 2575: Mechanoactivation of NOX2-generated ROS elicits persistent TRPM8 Ca ²⁺ signals that are inhibited by oncogenic KRas. , 2020, , .		0