Rachel M Lee

List of Publications by Year
in descending order

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	Microtentacle Formation in Ovarian Carcinoma. Cancers, 2022, 14, 800.	3.7	3
2	Microtubule disruption reduces metastasis more effectively than primary tumor growth. Breast Cancer Research, 2022, 24, 13.	5.0	14
3	Tubulin Carboxypeptidase Activity Promotes Focal Gelatin Degradation in Breast Tumor Cells and Induces Apoptosis in Breast Epithelial Cells That Is Overcome by Oncogenic Signaling. Cancers, 2022, 14, 1707.	3.7	3
4	When light meets biology â€“ how the specimen affects quantitative microscopy. Journal of Cell Science, 2022, 135, .	2.0	13
5	Label-free cell tracking enables collective motion phenotyping in epithelial monolayers. IScience, 2022, 25, 104678.	4.1	6
6	Distinct roles of tumor associated mutations in collective cell migration. Scientific Reports, 2021, 11, 10291.	3.3	12
7	Mechanoactivation of NOX2-generated ROS elicits persistent TRPM8 Ca ²⁺ signals that are inhibited by oncogenic KRas. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26008-26019.	7.1	19
8	Partial thermal imidization of polyelectrolyte multilayer cell tethering surfaces (TetherChip) enables efficient cell capture and microtentacle fixation for circulating tumor cell analysis. Lab on A Chip, 2020, 20, 2872-2888.	6.0	12
9	Quantifying topography-guided actin dynamics across scales using optical flow. Molecular Biology of the Cell, 2020, 31, 1753-1764.	2.1	26
10	The Mechanical Microenvironment in Breast Cancer. Cancers, 2020, 12, 1452.	3.7	32
11	Abstract 2575: Mechanoactivation of NOX2-generated ROS elicits persistent TRPM8 Ca2+signals that are inhibited by oncogenic KRas. , 2020, , .		0
12	Dynamics phenotyping across length and time scales in collective cell migration. Seminars in Cell and Developmental Biology, 2019, 93, 69-76.	5.0	5
13	Lysophosphatidic acid regulates the motility of MCF10CA1a breast cancer cell sheets via two opposing signaling pathways. Cellular Signalling, 2018, 45, 1-11.	3.6	12
14	Real-time scratch assay reveals mechanisms of early calcium signaling in breast cancer cells in response to wounding. Oncotarget, 2018, 9, 25008-25024.	1.8	11
15	Single-Cell Tracking of Breast Cancer Cells Enables Prediction of Sphere Formation from Early Cell Divisions. IScience, 2018, 8, 29-39.	4.1	16
16	Inferring single-cell behaviour from large-scale epithelial sheet migration patterns. Journal of the Royal Society Interface, 2017, 14, 20170147.	3.4	11
17	Collective cell migration has distinct directionality and speed dynamics. Cellular and Molecular Life Sciences, 2017, 74, 3841-3850.	5.4	33
18	Collective cell migration over long time scales reveals distinct phenotypes. Convergent Science Physical Oncology, 2016, 2, 025001.	2.6	14

#	Article	IF	Citations
19	Quantifying stretching and rearrangement in epithelial sheet migration. New Journal of Physics, 2013, 15, 025036.	2.9	34
20	Controlled Gating of Lysenin Pores. Biophysical Chemistry, 2010, 146, 25-29.	2.8	20
21	Multivalent ions control the transport through lysenin channels. Biophysical Chemistry, 2010, 152, 40-45.	2.8	21