

Daniel F Lusche

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

383
citations

840776

11
h-index

794594

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23
all docs

23
docs citations

23
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	PTEN plays a role in the suppression of lateral pseudopod formation during Dictyostelium motility and chemotaxis. <i>Journal of Cell Science</i> , 2007, 120, 2517-2531.	2.0	70
2	Interferon regulatory factor 6 regulates keratinocyte migration. <i>Journal of Cell Science</i> , 2014, 127, 2840-8.	2.0	48
3	The effects of extracellular calcium on motility, pseudopod and uropod formation, chemotaxis, and the cortical localization of myosin II in <i>Dictyostelium discoideum</i> . <i>Cytoskeleton</i> , 2009, 66, 567-587.	4.4	31
4	Ca ²⁺ regulation in the absence of the iplA gene product in <i>Dictyostelium discoideum</i> . <i>BMC Cell Biology</i> , 2005, 6, 13.	3.0	27
5	Reciprocal signaling and direct physical interactions between fibroblasts and breast cancer cells in a 3D environment. <i>PLoS ONE</i> , 2019, 14, e0218854.	2.5	27
6	Ca ²⁺ chemotaxis in <i>Dictyostelium discoideum</i> . <i>Journal of Cell Science</i> , 2010, 123, 3756-3767.	2.0	25
7	How a Cell Crawls and the Role of Cortical Myosin II. <i>Eukaryotic Cell</i> , 2009, 8, 1381-1396.	3.4	24
8	The IplA Ca ⁺⁺ Channel Of <i>Dictyostelium discoideum</i> Is Necessary For Ca ⁺⁺ , But Not cAMP Chemotaxis, And Plays A Fundamental Role In Natural Aggregation. <i>Journal of Cell Science</i> , 2012, 125, 1770-83.	2.0	18
9	Melanoma cells undergo aggressive coalescence in a 3D Matrigel model that is repressed by anti-CD44. <i>PLoS ONE</i> , 2017, 12, e0173400.	2.5	18
10	Huntingtin regulates Ca ²⁺ chemotaxis and K ⁺ -facilitated cAMP chemotaxis, in conjunction with the monovalent cation/H ⁺ exchanger Nhe1, in a model developmental system: Insights into its possible role in Huntington's disease. <i>Developmental Biology</i> , 2014, 394, 24-38.	2.0	12
11	A Computer-Assisted 3D Model for Analyzing the Aggregation of Tumorigenic Cells Reveals Specialized Behaviors and Unique Cell Types that Facilitate Aggregate Coalescence. <i>PLoS ONE</i> , 2015, 10, e0118628.	2.5	12
12	Nhe1 Is Essential for Potassium but Not Calcium Facilitation of Cell Motility and the Monovalent Cation Requirement for Chemotactic Orientation in <i>Dictyostelium discoideum</i> . <i>Eukaryotic Cell</i> , 2011, 10, 320-331.	3.4	11
13	Overexpressing <i>TPTE2</i> (<i>TPIP</i>), a homolog of the human tumor suppressor gene <i>PTEN</i> , rescues the abnormal phenotype of the <i>PTEN</i> mutant. <i>Oncotarget</i> , 2018, 9, 21100-21121.	1.8	11
14	4D Tumorigenesis Model for Quantitating Coalescence, Directed Cell Motility and Chemotaxis, Identifying Unique Cell Behaviors, and Testing Anticancer Drugs. <i>Methods in Molecular Biology</i> , 2016, 1407, 229-250.	0.9	9
15	Mediated coalescence: a possible mechanism for tumor cellular heterogeneity. <i>American Journal of Cancer Research</i> , 2015, 5, 3485-504.	1.4	9
16	Integrin β -1's central role in breast cancer, melanoma and glioblastoma cell aggregation revealed by antibodies with blocking activity. <i>MAbs</i> , 2019, 11, 691-708.	5.2	7
17	Myosin heavy chain kinases play essential roles in Ca ²⁺ , but not cAMP, chemotaxis and the natural aggregation of <i>Dictyostelium discoideum</i> . <i>Journal of Cell Science</i> , 2012, 125, 4934-44.	2.0	6
18	Quantitative Motion Analysis in Two and Three Dimensions. <i>Methods in Molecular Biology</i> , 2016, 1365, 265-292.	0.9	5

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19	PTEN Redundancy: Overexpressing lpten, a Homolog of Dictyostelium discoideum ptenA, the Ortholog of Human PTEN, Rescues All Behavioral Defects of the Mutant ptenA. PLoS ONE, 2014, 9, e108495.	2.5	5
20	3D and 4D for the Quantitative Analysis of Cancer Behavior and Screening for Anticancer Drugs. Methods in Molecular Biology, 2022, 2364, 299-318.	0.9	4
21	New monoclonal antibodies that recognize an unglycosylated, conserved, extracellular region of CD44 in vitro and in vivo, and can block tumorigenesis. PLoS ONE, 2021, 16, e0250175.	2.5	3
22	Directed movement toward, translocation along, penetration into and exit from vascular networks by breast cancer cells in 3D. Cell Adhesion and Migration, 2021, 15, 224-248.	2.7	1
23	Arachidonic acid is a chemoattractant for Dictyostelium discoideum cells. Journal of Biosciences, 2007, 32, 1281.	1.1	0