

Jeffrey Segall

List of Publications by Year in descending order

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58
papers

6,769
citations

117453

34
h-index

149479

56
g-index

58
all docs

58
docs citations

58
times ranked

6751
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and temporal dynamics of RhoA activities of single breast tumor cells in a 3D environment revealed by a machine learning-assisted FRET technique. <i>Experimental Cell Research</i> , 2022, 410, 112939.	1.2	4
2	Tumor spheroid invasion in epidermal growth factor gradients revealed by a 3D microfluidic device. <i>Physical Biology</i> , 2022, 19, 036002.	0.8	2
3	Palbociclib Renders Human Papilloma Virus-“Negative Head and Neck Squamous Cell Carcinoma Vulnerable to the Senolytic Agent Navitoclax. <i>Molecular Cancer Research</i> , 2021, 19, 862-873.	1.5	17
4	Direct measurement of vertical forces shows correlation between mechanical activity and proteolytic ability of invadopodia. <i>Science Advances</i> , 2020, 6, eaax6912.	4.7	35
5	Macrophages enhance 3D invasion in a breast cancer cell line by induction of tumor cell tunneling nanotubes. <i>Cancer Reports</i> , 2019, 2, e1213.	0.6	17
6	An Akt3 Splice Variant Lacking the Serine 472 Phosphorylation Site Promotes Apoptosis and Suppresses Mammary Tumorigenesis. <i>Cancer Research</i> , 2018, 78, 103-114.	0.4	13
7	Loss of amphiregulin reduces myoepithelial cell coverage of mammary ducts and alters breast tumor growth. <i>Breast Cancer Research</i> , 2018, 20, 131.	2.2	11
8	A novel neuregulin-“jagged1 paracrine loop in breast cancer transendothelial migration. <i>Breast Cancer Research</i> , 2018, 20, 24.	2.2	22
9	miR-375 Regulates Invasion-Related Proteins Vimentin and L-Plastin. <i>American Journal of Pathology</i> , 2017, 187, 1523-1536.	1.9	11
10	Apolipoprotein E Promotes Invasion in Oral Squamous Cell Carcinoma. <i>American Journal of Pathology</i> , 2017, 187, 2259-2272.	1.9	22
11	Autocrine HBEGF expression promotes breast cancer intravasation, metastasis and macrophage-independent invasion in vivo. <i>Oncogene</i> , 2014, 33, 3784-3793.	2.6	85
12	Slug Promotes Survival during Metastasis through Suppression of Puma-Mediated Apoptosis. <i>Cancer Research</i> , 2014, 74, 3695-3706.	0.4	37
13	Phosphoinositide 3-kinase signaling is critical for ErbB3-driven breast cancer cell motility and metastasis. <i>Oncogene</i> , 2012, 31, 706-715.	2.6	55
14	Dormancy Signatures and Metastasis in Estrogen Receptor Positive and Negative Breast Cancer. <i>PLoS ONE</i> , 2012, 7, e35569.	1.1	168
15	Apoptosis Inhibitor ARC Promotes Breast Tumorigenesis, Metastasis, and Chemoresistance. <i>Cancer Research</i> , 2011, 71, 7705-7715.	0.4	53
16	Intravital Imaging and Photoswitching in Tumor Invasion and Intravasation Microenvironments. <i>Microscopy Today</i> , 2010, 18, 34-37.	0.2	10
17	Monomeric red fluorescent proteins with a large Stokes shift. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5369-5374.	3.3	149
18	Molecular mechanisms of invadopodium formation. <i>Journal of Cell Biology</i> , 2005, 168, 441-452.	2.3	597

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19	A Paracrine Loop between Tumor Cells and Macrophages Is Required for Tumor Cell Migration in Mammary Tumors. <i>Cancer Research</i> , 2004, 64, 7022-7029.	0.4	1,019
20	Lamellipodia in invasion. <i>Seminars in Cancer Biology</i> , 2001, 11, 119-128.	4.3	116
21	The F-actin side binding activity of the Arp2/3 complex is essential for actin nucleation and lamellipod extension. <i>Current Biology</i> , 2001, 11, 620-625.	1.8	139
22	N-terminal Domains of the Class IA Phosphoinositide 3-Kinase Regulatory Subunit Play a Role in Cytoskeletal but Not Mitogenic Signaling. <i>Journal of Biological Chemistry</i> , 2001, 276, 16374-16378.	1.6	24
23	â€ and should be treated the same as genomics. <i>Nature</i> , 2000, 403, 478-478.	13.7	1
24	Specific Requirement for the p85-p110 α Phosphatidylinositol 3-Kinase during Epidermal Growth Factor-stimulated Actin Nucleation in Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 3741-3744.	1.6	77
25	Role of Cofilin in Epidermal Growth Factorâ€Stimulated Actin Polymerization and Lamellipod Protrusion. <i>Journal of Cell Biology</i> , 2000, 148, 531-542.	2.3	226
26	A critical step in metastasis: in vivo analysis of intravasation at the primary tumor. <i>Cancer Research</i> , 2000, 60, 2504-11.	0.4	292
27	The collection of the motile population of cells from a living tumor. <i>Cancer Research</i> , 2000, 60, 5401-4.	0.4	97
28	Integration of Rac-dependent Regulation of Cyclin D1 Transcription through a Nuclear Factor- κ B-dependent Pathway. <i>Journal of Biological Chemistry</i> , 1999, 274, 25245-25249.	1.6	260
29	Relationship between Arp2/3 Complex and the Barbed Ends of Actin Filaments at the Leading Edge of Carcinoma Cells after Epidermal Growth Factor Stimulation. <i>Journal of Cell Biology</i> , 1999, 145, 331-345.	2.3	193
30	Cell polarization: Chemotaxis gets CRACKing. <i>Current Biology</i> , 1999, 9, R46-R48.	1.8	5
31	Chemoattractant-induced lamellipod extension. , 1998, 43, 433-443.		58
32	The Dictyostelium MAP Kinase DdERK2 Functions as a Cytosolic Protein in Complexes with Its Potential Substrates in Chemotactic Signal Transduction. <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 149-155.	1.0	3
33	Regulation of Protrusion Shape and Adhesion to the Substratum during Chemotactic Responses of Mammalian Carcinoma Cells. <i>Experimental Cell Research</i> , 1998, 241, 285-299.	1.2	143
34	Suppression of Ruffling by the EGF Receptor in Chemotactic Cells. <i>Experimental Cell Research</i> , 1998, 242, 100-109.	1.2	26
35	Cell motility of tumor cells visualized in living intact primary tumors using green fluorescent protein. <i>Cancer Research</i> , 1998, 58, 2528-32.	0.4	125
36	Functional characterization of the Cdc42p binding domain of yeast Ste20p protein kinase. <i>EMBO Journal</i> , 1997, 16, 83-97.	3.5	193

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37	EGF stimulates lamellipod extension in metastatic mammary adenocarcinoma cells by an actin-dependent mechanism. <i>Clinical and Experimental Metastasis</i> , 1996, 14, 61-72.	1.7	126
38	The Dictyostelium MAP kinase ERK2 regulates multiple, independent developmental pathways.. <i>Genes and Development</i> , 1996, 10, 118-128.	2.7	72
39	Dual role of cAMP and involvement of both G-proteins and ras in regulation of ERK2 in Dictyostelium discoideum. <i>EMBO Journal</i> , 1996, 15, 3361-8.	3.5	16
40	Recombinative desorption of hydrogen from the Ge(100)â€“(2Å–1) surface: A laserâ€“induced desorption study. <i>Journal of Chemical Physics</i> , 1995, 102, 7222-7228.	1.2	37
41	A MAP kinase necessary for receptor-mediated activation of adenylyl cyclase in Dictyostelium.. <i>Journal of Cell Biology</i> , 1995, 128, 405-413.	2.3	170
42	Polarization of yeast cells in spatial gradients of alpha mating factor.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 8332-8336.	3.3	235
43	Chemotaxis of metastatic tumor cells: Clues to mechanisms from the Dictyostelium paradigm. <i>Cancer and Metastasis Reviews</i> , 1992, 11, 55-68.	2.7	48
44	Behavioral responses of streamer F mutants of Dictyostelium discoideum: effects of cyclic GMP on cell motility. <i>Journal of Cell Science</i> , 1992, 101 (Pt 3), 589-97.	1.2	6
45	A Dictyostelium mutant lacking an F-actin cross-linking protein, the 120-kD gelation factor.. <i>Journal of Cell Biology</i> , 1990, 111, 1477-1489.	2.3	101
46	A Dictyostelium mutant deficient in severin, an F-actin fragmenting protein, shows normal motility and chemotaxis.. <i>Journal of Cell Biology</i> , 1989, 108, 985-995.	2.3	96
47	Genetic approaches to cytoskeleton function and the control of cell motility. <i>Current Opinion in Cell Biology</i> , 1989, 1, 44-50.	2.6	32
48	Quantification of motility and area changes of Dictyostelium discoideum amoebae in response to chemoattractants. <i>Journal of Muscle Research and Cell Motility</i> , 1988, 9, 481-490.	0.9	14
49	Overtoneâ€“induced isomerization of allyl isocyanide. <i>Journal of Chemical Physics</i> , 1988, 89, 5704-5714.	1.2	18
50	Selection of chemotaxis mutants of Dictyostelium discoideum.. <i>Journal of Cell Biology</i> , 1987, 104, 151-161.	2.3	33
51	Temporal comparisons in bacterial chemotaxis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 8987-8991.	3.3	442
52	Chemotactic signaling in filamentous cells of Escherichia coli. <i>Journal of Bacteriology</i> , 1985, 161, 51-59.	1.0	107
53	Adaptation kinetics in bacterial chemotaxis. <i>Journal of Bacteriology</i> , 1983, 154, 312-323.	1.0	279
54	Coordination of flagella on filamentous cells of Escherichia coli. <i>Journal of Bacteriology</i> , 1983, 155, 228-237.	1.0	105

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55	Impulse responses in bacterial chemotaxis. Cell, 1982, 31, 215-226.	13.5	280
56	Signal processing times in bacterial chemotaxis. Nature, 1982, 296, 855-857.	13.7	179
57	Irreversible inhibition of S-adenosylhomocysteine hydrolase by nucleoside analogs. Archives of Biochemistry and Biophysics, 1981, 207, 175-184.	1.4	67
58	Chemotaxis of Cancer Cells during Invasion and Metastasis. , 0, , 175-188.		1