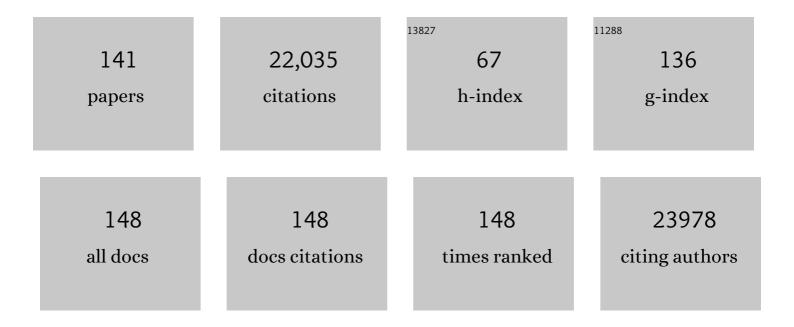
John S Condeelis

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Macrophages: Obligate Partners for Tumor Cell Migration, Invasion, and Metastasis. Cell, 2006, 124, 263-266.	13.5	2,377
2	A Paracrine Loop between Tumor Cells and Macrophages Is Required for Tumor Cell Migration in Mammary Tumors. Cancer Research, 2004, 64, 7022-7029.	0.4	1,019
3	Direct Visualization of Macrophage-Assisted Tumor Cell Intravasation in Mammary Tumors. Cancer Research, 2007, 67, 2649-2656.	0.4	940
4	Filamins as integrators of cell mechanics and signalling. Nature Reviews Molecular Cell Biology, 2001, 2, 138-145.	16.1	875
5	Intravital imaging of cell movement in tumours. Nature Reviews Cancer, 2003, 3, 921-930.	12.8	842
6	Chemotaxis in cancer. Nature Reviews Cancer, 2011, 11, 573-587.	12.8	785
7	Macrophages Promote the Invasion of Breast Carcinoma Cells via a Colony-Stimulating Factor-1/Epidermal Growth Factor Paracrine Loop. Cancer Research, 2005, 65, 5278-5283.	0.4	660
8	Molecular mechanisms of invadopodium formation. Journal of Cell Biology, 2005, 168, 441-452.	2.3	597
9	Real-Time Imaging Reveals Local, Transient Vascular Permeability, and Tumor Cell Intravasation Stimulated by TIE2hi Macrophage–Derived VEGFA. Cancer Discovery, 2015, 5, 932-943.	7.7	474
10	Mechanism of early dissemination and metastasis in Her2+ mammary cancer. Nature, 2016, 540, 588-592.	13.7	424
11	Cancer stem cells from human breast tumors are involved in spontaneous metastases in orthotopic mouse models. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18115-18120.	3.3	408
12	An EMT–Driven Alternative Splicing Program Occurs in Human Breast Cancer and Modulates Cellular Phenotype. PLoS Genetics, 2011, 7, e1002218.	1.5	399
13	Directed cell invasion and migration during metastasis. Current Opinion in Cell Biology, 2012, 24, 277-283.	2.6	391
14	Functions of cofilin in cell locomotion and invasion. Nature Reviews Molecular Cell Biology, 2013, 14, 405-415.	16.1	388
15	Neoadjuvant chemotherapy induces breast cancer metastasis through a TMEM-mediated mechanism. Science Translational Medicine, 2017, 9, .	5.8	370
16	Intravital imaging of metastatic behavior through a mammary imaging window. Nature Methods, 2008, 5, 1019-1021.	9.0	364
17	Identification of an actin-binding protein from Dictyostelium as elongation factor 1a. Nature, 1990, 347, 494-496.	13.7	347
18	Macrophages orchestrate breast cancer early dissemination and metastasis. Nature Communications, 2018, 9, 21.	5.8	331

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19	THE GREAT ESCAPE: When Cancer Cells Hijack the Genes for Chemotaxis and Motility. Annual Review of Cell and Developmental Biology, 2005, 21, 695-718.	4.0	320
20	Tumor Microenvironment of Metastasis in Human Breast Carcinoma: A Potential Prognostic Marker Linked to Hematogenous Dissemination. Clinical Cancer Research, 2009, 15, 2433-2441.	3.2	318
21	Tumor Cell Invadopodia: Invasive Protrusions that Orchestrate Metastasis. Trends in Cell Biology, 2017, 27, 595-607.	3.6	292
22	Phenotypic heterogeneity of disseminated tumour cells is preset by primary tumour hypoxic microenvironments. Nature Cell Biology, 2017, 19, 120-132.	4.6	258
23	Homophilic CD44 Interactions Mediate Tumor Cell Aggregation and Polyclonal Metastasis in Patient-Derived Breast Cancer Models. Cancer Discovery, 2019, 9, 96-113.	7.7	256
24	Tumor cells caught in the act of invading: their strategy for enhanced cell motility. Trends in Cell Biology, 2005, 15, 138-145.	3.6	248
25	A Mena Invasion Isoform Potentiates EGF-Induced Carcinoma Cell Invasion and Metastasis. Developmental Cell, 2008, 15, 813-828.	3.1	242
26	An EGFR–Src–Arg–Cortactin Pathway Mediates Functional Maturation of Invadopodia and Breast Cancer Cell Invasion. Cancer Research, 2011, 71, 1730-1741.	0.4	236
27	N-WASP-mediated invadopodium formation is involved in intravasation and lung metastasis of mammary tumors. Journal of Cell Science, 2012, 125, 724-734.	1.2	228
28	How and why does \hat{I}^2 -actin mRNA target?. Biology of the Cell, 2005, 97, 97-110.	0.7	214
29	Gene Expression Analysis of Macrophages That Facilitate Tumor Invasion Supports a Role for Wnt-Signaling in Mediating Their Activity in Primary Mammary Tumors. Journal of Immunology, 2010, 184, 702-712.	0.4	208
30	In Vivo Imaging in Cancer. Cold Spring Harbor Perspectives in Biology, 2010, 2, a003848-a003848.	2.3	198
31	Invasion of Human Breast Cancer Cells <i>In vivo</i> Requires Both Paracrine and Autocrine Loops Involving the Colony-Stimulating Factor-1 Receptor. Cancer Research, 2009, 69, 9498-9506.	0.4	188
32	A Unidirectional Transition from Migratory to Perivascular Macrophage Is Required for Tumor Cell Intravasation. Cell Reports, 2018, 23, 1239-1248.	2.9	188
33	Cortactin phosphorylation regulates cell invasion through a pH-dependent pathway. Journal of Cell Biology, 2011, 195, 903-920.	2.3	181
34	Epidermal Growth Factor Receptor Overexpression Results in Increased Tumor Cell Motility In vivo Coordinately with Enhanced Intravasation and Metastasis. Cancer Research, 2006, 66, 192-197.	0.4	174
35	Mena invasive (MenaINV) promotes multicellular streaming motility and transendothelial migration in a mouse model of breast cancer. Journal of Cell Science, 2011, 124, 2120-2131.	1.2	163
36	Tumor Microenvironment of Metastasis and Risk of Distant Metastasis of Breast Cancer. Journal of the National Cancer Institute, 2014, 106, .	3.0	158

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37	Relationship of pseudopod extension to chemotactic hormone-induced actin polymerization in amoeboid cells. Journal of Cellular Biochemistry, 1988, 37, 285-299.	1.2	151
38	Tks5 and SHIP2 Regulate Invadopodium Maturation, but Not Initiation, in Breast Carcinoma Cells. Current Biology, 2013, 23, 2079-2089.	1.8	151
39	Invadopodia and podosomes in tumor invasion. European Journal of Cell Biology, 2006, 85, 213-218.	1.6	146
40	Regulation of Protrusion Shape and Adhesion to the Substratum during Chemotactic Responses of Mammalian Carcinoma Cells. Experimental Cell Research, 1998, 241, 285-299.	1.2	143
41	Multiparametric Classification Links Tumor Microenvironments with Tumor Cell Phenotype. PLoS Biology, 2014, 12, e1001995.	2.6	143
42	A Trio–Rac1–Pak1 signalling axis drives invadopodiaÂdisassembly. Nature Cell Biology, 2014, 16, 571-583.	4.6	139
43	Ribosome biogenesis during cell cycle arrest fuels EMT in development and disease. Nature Communications, 2019, 10, 2110.	5.8	139
44	Digging a little deeper: The stages of invadopodium formation and maturation. European Journal of Cell Biology, 2014, 93, 438-444.	1.6	138
45	Intravital multiphoton imaging reveals multicellular streaming as a crucial component of in vivo cell migration in human breast tumors. Intravital, 2013, 2, e25294.	2.0	136
46	A permanent window for the murine lung enables high-resolution imaging of cancer metastasis. Nature Methods, 2018, 15, 73-80.	9.0	131
47	EGF stimulates lamellipod extension in metastatic mammary adenocarcinoma cells by an actin-dependent mechanism. Clinical and Experimental Metastasis, 1996, 14, 61-72.	1.7	126
48	β1 integrin regulates Arg to promote invadopodial maturation and matrix degradation. Molecular Biology of the Cell, 2013, 24, 1661-1675.	0.9	125
49	Selective gene-expression profiling of migratory tumor cells in vivo predicts clinical outcome in breast cancer patients. Breast Cancer Research, 2012, 14, R139.	2.2	120
50	Setup and use of a two-laser multiphoton microscope for multichannel intravital fluorescence imaging. Nature Protocols, 2011, 6, 1500-1520.	5.5	119
51	Probing the Microenvironment of Mammary Tumors Using Multiphoton Microscopy. Journal of Mammary Gland Biology and Neoplasia, 2006, 11, 151-163.	1.0	118
52	Identification of invasion specific splice variants of the cytoskeletal protein Mena present in mammary tumor cells during invasion inÂvivo. Clinical and Experimental Metastasis, 2009, 26, 153-159.	1.7	107
53	Agingâ€related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. Aging Cell, 2015, 14, 582-594.	3.0	106
54	The Selective Tie2 Inhibitor Rebastinib Blocks Recruitment and Function of Tie2Hi Macrophages in Breast Cancer and Pancreatic Neuroendocrine Tumors. Molecular Cancer Therapeutics, 2017, 16, 2486-2501.	1.9	106

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55	Chemotherapy-induced metastasis: mechanisms and translational opportunities. Clinical and Experimental Metastasis, 2018, 35, 269-284.	1.7	106
56	Brightness-equalized quantum dots. Nature Communications, 2015, 6, 8210.	5.8	105
57	Metastasis: tumor cells becoming MENAcing. Trends in Cell Biology, 2011, 21, 81-90.	3.6	98
58	Macrophage-Dependent Cytoplasmic Transfer during Melanoma Invasion InÂVivo. Developmental Cell, 2017, 43, 549-562.e6.	3.1	98
59	Talin regulates moesin–NHE-1 recruitment to invadopodia and promotes mammary tumor metastasis. Journal of Cell Biology, 2014, 205, 737-751.	2.3	96
60	GFP expression in the mammary gland for imaging of mammary tumor cells in transgenic mice. Cancer Research, 2002, 62, 7166-9.	0.4	94
61	Contribution of CXCL12 secretion to invasion of breast cancer cells. Breast Cancer Research, 2012, 14, R23.	2.2	92
62	Collagen Matrix Density Drives the Metabolic Shift in Breast Cancer Cells. EBioMedicine, 2016, 13, 146-156.	2.7	90
63	Invasive breast carcinoma cells from patients exhibit Mena ^{INV} - and macrophage-dependent transendothelial migration. Science Signaling, 2014, 7, ra112.	1.6	89
64	The Different Routes to Metastasis via Hypoxia-Regulated Programs. Trends in Cell Biology, 2018, 28, 941-956.	3.6	83
65	The emerging roles of macrophages in cancer metastasis and response to chemotherapy. Journal of Leukocyte Biology, 2019, 106, 259-274.	1.5	80
66	Chemotherapy-Induced Metastasis: Molecular Mechanisms, Clinical Manifestations, Therapeutic Interventions. Cancer Research, 2019, 79, 4567-4576.	0.4	79
67	Actin filaments are severed by both native and recombinantDictyostelium cofilin but to different extents. Cytoskeleton, 2000, 45, 293-306.	4.4	78
68	A small-molecule allosteric inhibitor of BAX protects against doxorubicin-induced cardiomyopathy. Nature Cancer, 2020, 1, 315-328.	5.7	78
69	Macrophage-dependent tumor cell transendothelial migration is mediated by Notch1/MenaINV-initiated invadopodium formation. Scientific Reports, 2016, 6, 37874.	1.6	74
70	Tunneling nanotubes, a novel mode of tumor cell-macrophage communication in tumor cell invasion. Journal of Cell Science, 2019, 132, .	1.2	74
71	Mena deficiency delays tumor progression and decreases metastasis in polyoma middle-T transgenic mouse mammary tumors. Breast Cancer Research, 2010, 12, R101.	2.2	70
72	Mena invasive (MenaINV) and Mena11a isoforms play distinct roles in breast cancer cell cohesion and association with TMEM. Clinical and Experimental Metastasis, 2011, 28, 515-527.	1.7	66

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73	Rac3 regulates breast cancer invasion and metastasis by controlling adhesion and matrix degradation. Journal of Cell Biology, 2017, 216, 4331-4349.	2.3	66
74	In Vivo Visualization of Stromal Macrophages via label-free FLIM-based metabolite imaging. Scientific Reports, 2016, 6, 25086.	1.6	65
75	Chemoattractant-induced lamellipod extension. , 1998, 43, 433-443.		58
76	High-Resolution Multiphoton Imaging of Tumors In Vivo. Cold Spring Harbor Protocols, 2011, 2011, pdb.top065904.	0.2	58
77	Primary tumor associated macrophages activate programs of invasion and dormancy in disseminating tumor cells. Nature Communications, 2022, 13, 626.	5.8	58
78	Localization of actin in Chlamydomonas using antiactin and NBD-phallacidin. Cell Motility, 1985, 5, 415-430.	1.9	56
79	Changes in the association of actin-binding proteins with the actin cytoskeleton during chemotactic stimulation ofDictyostelium discoideum. Cytoskeleton, 1989, 13, 57-63.	4.4	56
80	<i>In vivo</i> subcellular resolution optical imaging in the lung reveals early metastatic proliferation and motility. Intravital, 2015, 4, 1-11.	2.0	54
81	Are all pseudopods created equal?. Cytoskeleton, 1992, 22, 1-6.	4.4	53
82	Live tumor imaging shows macrophageÂinduction and TMEM-mediated enrichment of cancer stem cells during metastatic dissemination. Nature Communications, 2021, 12, 7300.	5.8	53
83	Signatures of breast cancer metastasis at a glance. Journal of Cell Science, 2016, 129, 1751-8.	1.2	52
84	Reconstitution of in vivo macrophage-tumor cell pairing and streaming motility on one-dimensional micro-patterned substrates. Intravital, 2012, 1, 77-85.	2.0	50
85	Isolation of an immunoreactive analogue of brain fodrin that is associated with the cell cortex ofDictyostelium amoebae. Cytoskeleton, 1988, 11, 303-317.	4.4	49
86	Chemotaxis of metastatic tumor cells: Clues to mechanisms from the Dictyostelium paradigm. Cancer and Metastasis Reviews, 1992, 11, 55-68.	2.7	48
87	A metastasis biomarker (MetaSite Breastâ"¢ Score) is associated with distant recurrence in hormone receptor-positive, HER2-negative early-stage breast cancer. Npj Breast Cancer, 2017, 3, 42.	2.3	48
88	GPCR Signaling Mediates Tumor Metastasis via PI3Kβ. Cancer Research, 2016, 76, 2944-2953.	0.4	47
89	Pyk2 and FAK differentially regulate invadopodia formation and function in breast cancer cells. Journal of Cell Biology, 2018, 217, 375-395.	2.3	47
90	Isolation of a new actin-binding protein from dictyostelium discoideum. Cell Motility, 1982, 2, 273-285.	1.9	46

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91	Wiskott-Aldrich Syndrome Protein Regulates Leukocyte-Dependent Breast Cancer Metastasis. Cell Reports, 2013, 4, 429-436.	2.9	45
92	Quantitative assessment of invasive mena isoforms (Menacalc) as an independent prognostic marker in breast cancer. Breast Cancer Research, 2012, 14, R124.	2.2	40
93	MenaINV dysregulates cortactin phosphorylation to promote invadopodium maturation. Scientific Reports, 2016, 6, 36142.	1.6	39
94	Time-lapsed, large-volume, high-resolution intravital imaging for tissue-wide analysis of single cell dynamics. Methods, 2017, 128, 65-77.	1.9	39
95	Phosphorylated cortactin recruits Vav2 guanine nucleotide exchange factor to activate Rac3 and promote invadopodial function in invasive breast cancer cells. Molecular Biology of the Cell, 2017, 28, 1347-1360.	0.9	38
96	Gene expression analysis on small numbers of invasive cells collected by chemotaxis from primary mammary tumors of the mouse. BMC Biotechnology, 2003, 3, 13.	1.7	37
97	Intravital Imaging Techniques for Biomedical and Clinical Research. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 448-457.	1.1	37
98	High-Resolution Live-Cell Imaging and Time-Lapse Microscopy of Invadopodium Dynamics and Tracking Analysis. Methods in Molecular Biology, 2013, 1046, 343-357.	0.4	37
99	<i>Listeria</i> delivers tetanus toxoid protein to pancreatic tumors and induces cancer cell death in mice. Science Translational Medicine, 2022, 14, eabc1600.	5.8	37
100	Optogenetic control of cofilin and αTAT in living cells using Z-lock. Nature Chemical Biology, 2019, 15, 1183-1190.	3.9	36
101	Targeting Tie2 in the Tumor Microenvironment: From Angiogenesis to Dissemination. Cancers, 2021, 13, 5730.	1.7	36
102	Targeting invadopodia-mediated breast cancer metastasis by using ABL kinase inhibitors. Oncotarget, 2018, 9, 22158-22183.	0.8	35
103	Invadopodia in context. Cell Adhesion and Migration, 2014, 8, 273-279.	1.1	33
104	Spatial regulation of tumor cell protrusions by RhoC. Cell Adhesion and Migration, 2014, 8, 263-267.	1.1	32
105	Fine structure of gels prepared from an actin-binding protein and actin: Comparison to cytoplasmic extracts and cortical cytoplasm in amoeboid cells ofDictyostelium discoideum. Journal of Cellular Biochemistry, 1986, 30, 227-243.	1.2	31
106	PTP1B-dependent regulation of receptor tyrosine kinase signaling by the actin-binding protein Mena. Molecular Biology of the Cell, 2015, 26, 3867-3878.	0.9	31
107	Tumor Microenvironment of Metastasis (TMEM) Doorways Are Restricted to the Blood Vessel Endothelium in Both Primary Breast Cancers and Their Lymph Node Metastases. Cancers, 2019, 11, 1507.	1.7	31
108	The Contribution of Race to Breast Tumor Microenvironment Composition and Disease Progression. Frontiers in Oncology, 2020, 10, 1022.	1.3	31

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109	Imaging Tumor Cell Movement In Vivo. Current Protocols in Cell Biology, 2013, 58, Unit19.7.	2.3	30
110	The role of the tumor microenvironment in tumor cell intravasation and dissemination. European Journal of Cell Biology, 2020, 99, 151098.	1.6	30
111	Actin-Associated proteins inDictyostelium discoideum. Genesis, 1990, 11, 328-332.	3.1	27
112	Menacalc, a quantitative method of metastasis assessment, as a prognostic marker for axillary node-negative breast cancer. BMC Cancer, 2015, 15, 483.	1.1	27
113	Direct visualization of the phenotype of hypoxic tumor cells at single cell resolution in vivo using a new hypoxia probe. Intravital, 2016, 5, e1187803.	2.0	24
114	Septin 9 isoforms promote tumorigenesis in mammary epithelial cells by increasing migration and ECM degradation through metalloproteinase secretion at focal adhesions. Oncogene, 2019, 38, 5839-5859.	2.6	24
115	Characterization of the expression of the pro-metastatic MenaINV isoform during breast tumor progression. Clinical and Experimental Metastasis, 2016, 33, 249-261.	1.7	23
116	The alternatively-included 11a sequence modifies the effects of Mena on actin cytoskeletal organization and cell behavior. Scientific Reports, 2016, 6, 35298.	1.6	22
117	Long-term High-Resolution Intravital Microscopy in the Lung with a Vacuum Stabilized Imaging Window. Journal of Visualized Experiments, 2016, , .	0.2	22
118	A novel neuregulin – jagged1 paracrine loop in breast cancer transendothelial migration. Breast Cancer Research, 2018, 20, 24.	2.2	22
119	Extended Time-lapse Intravital Imaging of Real-time Multicellular Dynamics in the Tumor Microenvironment. Journal of Visualized Experiments, 2016, , .	0.2	20
120	Hematogenous Dissemination of Breast Cancer Cells From Lymph Nodes Is Mediated by Tumor MicroEnvironment of Metastasis Doorways. Frontiers in Oncology, 2020, 10, 571100.	1.3	19
121	Black race and distant recurrence after neoadjuvant or adjuvant chemotherapy in breast cancer. Clinical and Experimental Metastasis, 2018, 35, 613-623.	1.7	17
122	Correlated Immunohistochemical and Cytological Assays for the Prediction of Hematogenous Dissemination of Breast Cancer. Journal of Histochemistry and Cytochemistry, 2012, 60, 168-173.	1.3	16
123	Validation of a device for the active manipulation of the tumor microenvironment during intravital imaging. Intravital, 2016, 5, e1182271.	2.0	16
124	Optimizing leading edge F-actin labeling using multiple actin probes, fixation methods and imaging modalities. BioTechniques, 2019, 66, 113-119.	0.8	16
125	Assessing Tumor Microenvironment of Metastasis Doorway-Mediated Vascular Permeability Associated with Cancer Cell Dissemination using Intravital Imaging and Fixed Tissue Analysis. Journal of Visualized Experiments, 2019, , .	0.2	14
126	Chemotherapy-induced metastasis in breast cancer. Oncotarget, 2017, 8, 110733-110734.	0.8	14

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127	A balanced level of profilin-1 promotes stemness and tumor-initiating potential of breast cancer cells. Cell Cycle, 2017, 16, 2366-2373.	1.3	12
128	Loss of amphiregulin reduces myoepithelial cell coverage of mammary ducts and alters breast tumor growth. Breast Cancer Research, 2018, 20, 131.	2.2	11
129	Breast Cancer Cell Re-Dissemination from Lung Metastases—A Mechanism for Enhancing Metastatic Burden. Journal of Clinical Medicine, 2021, 10, 2340.	1.0	11
130	Intravital Imaging and Photoswitching in Tumor Invasion and Intravasation Microenvironments. Microscopy Today, 2010, 18, 34-37.	0.2	10
131	Myosin-IIA heavy chain phosphorylation on S1943 regulates tumor metastasis. Experimental Cell Research, 2018, 370, 273-282.	1.2	10
132	SUN-MKL1 Crosstalk Regulates Nuclear Deformation and Fast Motility of Breast Carcinoma Cells in Fibrillar ECM Microenvironment. Cells, 2021, 10, 1549.	1.8	9
133	Validation of an Automated Quantitative Digital Pathology Approach for Scoring TMEM: A Prognostic Biomarker for Metastasis. Cancers, 2020, 12, 846.	1.7	7
134	A Protocol for the Implantation of a Permanent Window for High-Resolution Imaging of the Murine Lung. Protocol Exchange, 0, , .	0.3	4
135	SWIP—a stabilized window for intravital imaging of the murine pancreas. Open Biology, 2022, 12, .	1.5	4
136	Combining TMEM Doorway Score and MenaCalc Score Improves the Prediction of Distant Recurrence Risk in HR+/HER2â dreast Cancer Patients. Cancers, 2022, 14, 2168.	1.7	2
137	Chemotaxis of Cancer Cells during Invasion and Metastasis. , 0, , 175-188.		1
138	Phase Ib study of rebastinib plus antitubulin therapy with paclitaxel or eribulin in patients with metastatic breast cancer (MBC) Journal of Clinical Oncology, 2017, 35, TPS2611-TPS2611.	0.8	1
139	Molecular Analysis of Amoeboid Chemotaxis. Cancer Investigation, 1990, 8, 659-660.	0.6	Ο
140	Multi-scale Time-lapse Intravital Imaging of Soft Tissues to Map Single Cell Behavior. Microscopy and Microanalysis, 2017, 23, 1168-1169.	0.2	0
141	Optimizing F-actin Labeling At the Leading Edge Of Cells Using Multiple Actin Probes, Fixation Methods and Imaging Techniques, Microscopy and Microanalysis, 2019, 25, 1254-1255,	0.2	0