

Celeste M Nelson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

147
papers

13,311
citations

54
h-index

115
g-index

165
ext. papers

14,964
ext. citations

7
avg, IF

6.7
L-index

#	Paper	IF	Citations
147	Patterning the embryonic pulmonary mesenchyme.. <i>IScience</i> , 2022 , 25, 103838	6.1	1
146	Transmural pressure signals through retinoic acid to regulate lung branching.. <i>Development (Cambridge)</i> , 2022 , 149,	6.6	1
145	Adipose Stroma Accelerates the Invasion and Escape of Human Breast Cancer Cells from an Engineered Microtumor.. <i>Cellular and Molecular Bioengineering</i> , 2022 , 15, 15-29	3.9	0
144	Tissue Architecture in Cancer Initiation and Progression 2022 , 91-107		
143	Revealing epithelial morphogenetic mechanisms through live imaging. <i>Current Opinion in Genetics and Development</i> , 2021 , 72, 61-68	4.9	0
142	Negative Transpulmonary Pressure Disrupts Airway Morphogenesis by Suppressing Fgf10.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 725785	5.7	0
141	Local accumulation of extracellular matrix regulates global morphogenetic patterning in the developing mammary gland. <i>Current Biology</i> , 2021 , 31, 1903-1917.e6	6.3	6
140	The mechanics of crypt morphogenesis. <i>Nature Cell Biology</i> , 2021 , 23, 678-679	23.4	0
139	Substratum stiffness tunes membrane voltage in mammary epithelial cells. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	2
138	Uncovering cellular networks in branching morphogenesis using single-cell transcriptomics. <i>Current Topics in Developmental Biology</i> , 2021 , 143, 239-280	5.3	0
137	Mechanics of Development. <i>Developmental Cell</i> , 2021 , 56, 240-250	10.2	10
136	Interstitial Hypertension Suppresses Escape of Human Breast Tumor Cells Convection of Interstitial Fluid. <i>Cellular and Molecular Bioengineering</i> , 2021 , 14, 147-159	3.9	3
135	Matrix degradation and cell proliferation are coupled to promote invasion and escape from an engineered human breast microtumor. <i>Integrative Biology (United Kingdom)</i> , 2021 , 13, 17-29	3.7	4
134	Integrin-linked kinase tunes cell-cell and cell-matrix adhesions to regulate the switch between apoptosis and EMT downstream of TGF β . <i>Molecular Biology of the Cell</i> , 2021 , 32, 402-412	3.5	4
133	Substratum stiffness signals through integrin-linked kinase and β -integrin to regulate midbody proteins and abscission during EMT. <i>Molecular Biology of the Cell</i> , 2021 , 32, 1664-1676	3.5	2
132	Dynamic changes in epithelial cell packing during tissue morphogenesis. <i>Current Biology</i> , 2021 , 31, R1098-R1110	6.5	10
131	Stress ball morphogenesis: How the lizard builds its lung.. <i>Science Advances</i> , 2021 , 7, eabk0161	14.3	0

130	Substratum stiffness regulates Erk signaling dynamics through receptor-level control.. <i>Cell Reports</i> , 2021 , 37, 110181	10.6	1
129	Marangoni flows drive the alignment of fibrillar cell-laden hydrogels. <i>Science Advances</i> , 2020 , 6, eaaz7748	14.3	20
128	Fusion of airways during avian lung development constitutes a novel mechanism for the formation of continuous lumena in multicellular epithelia. <i>Developmental Dynamics</i> , 2020 , 249, 1318-1333	2.9	4
127	Epithelial tissue geometry directs emergence of bioelectric field and pattern of proliferation. <i>Molecular Biology of the Cell</i> , 2020 , 31, 1691-1702	3.5	12
126	Branching morphogenesis. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	15
125	Engineered extracellular matrices: emerging strategies for decoupling structural and molecular signals that regulate epithelial branching morphogenesis. <i>Current Opinion in Biomedical Engineering</i> , 2020 , 13, 103-112	4.4	2
124	Soft Microenvironments Induce Chemoresistance by Increasing Autophagy Downstream of Integrin-Linked Kinase. <i>Cancer Research</i> , 2020 , 80, 4103-4113	10.1	6
123	Living under Strain: How Epithelia Protect Their Genomes from Repeated Stretching. <i>Biochemistry</i> , 2020 , 59, 2761-2763	3.2	
122	Matrix Pore Size Governs Escape of Human Breast Cancer Cells from a Microtumor to an Empty Cavity. <i>iScience</i> , 2020 , 23, 101673	6.1	13
121	Smooth muscle differentiation shapes domain branches during mouse lung development. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	32
120	Mesenchymal proteases and tissue fluidity remodel the extracellular matrix during airway epithelial branching in the embryonic avian lung. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	28
119	Microextrusion printing cell-laden networks of type I collagen with patterned fiber alignment and geometry. <i>Soft Matter</i> , 2019 , 15, 5728-5738	3.6	41
118	3D culture models for studying branching morphogenesis in the mammary gland and mammalian lung. <i>Biomaterials</i> , 2019 , 198, 135-145	15.6	12
117	A Soft Microenvironment Protects from Failure of Midbody Abscission and Multinucleation Downstream of the EMT-Promoting Transcription Factor Snail. <i>Cancer Research</i> , 2018 , 78, 2277-2289	10.1	18
116	Modeling branching morphogenesis using materials with programmable mechanical instabilities. <i>Current Opinion in Biomedical Engineering</i> , 2018 , 6, 66-73	4.4	4
115	Substratum stiffness tunes proliferation downstream of Wnt3a in part by regulating integrin-linked kinase and frizzled-1. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	12
114	The Bioelectric Code: Reprogramming Cancer and Aging From the Interface of Mechanical and Chemical Microenvironments. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 21	5.7	21
113	Tissue mechanics regulates form, function, and dysfunction. <i>Current Opinion in Cell Biology</i> , 2018 , 54, 98-105	9	18

112	Mechanics of development. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	4
111	Myoepithelial crowd control of cancer cells. <i>Journal of Cell Biology</i> , 2018 , 217, 3319-3321	7.3	2
110	Smooth muscle: a stiff sculptor of epithelial shapes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	16
109	Extracellular Matrix Stiffness Exists in a Feedback Loop that Drives Tumor Progression. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1092, 57-67	3.6	14
108	Epithelial Packing: Even the Best of Friends Must Part. <i>Current Biology</i> , 2018 , 28, R1197-R1200	6.3	5
107	Computational models of airway branching morphogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2017 , 67, 170-176	7.5	17
106	Cell Division Induces and Switches Coherent Angular Motion within Bounded Cellular Collectives. <i>Biophysical Journal</i> , 2017 , 112, 2419-2427	2.9	8
105	Generating tissue topology through remodeling of cell-cell adhesions. <i>Experimental Cell Research</i> , 2017 , 358, 45-51	4.2	8
104	Building branched tissue structures: from single cell guidance to coordinated construction. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	22
103	Microfabricated tissues for investigating traction forces involved in cell migration and tissue morphogenesis. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 1819-1834	10.3	12
102	From static to animated: Measuring mechanical forces in tissues. <i>Journal of Cell Biology</i> , 2017 , 216, 29-30	7.3	6
101	Dynamics of Tissue-Induced Alignment of Fibrous Extracellular Matrix. <i>Biophysical Journal</i> , 2017 , 113, 702-713	2.9	33
100	Microfluidic chest cavities reveal that transmural pressure controls the rate of lung development. <i>Development (Cambridge)</i> , 2017 , 144, 4328-4335	6.6	58
99	A 3D Culture Model to Study How Fluid Pressure and Flow Affect the Behavior of Aggregates of Epithelial Cells. <i>Methods in Molecular Biology</i> , 2017 , 1501, 245-257	1.4	4
98	Pushing, pulling, and squeezing our way to understanding mechanotransduction. <i>Methods</i> , 2016 , 94, 4-12	4.6	20
97	TGF- β -induced EMT promotes targeted migration of breast cancer cells through the lymphatic system by the activation of CCR7/CCL21-mediated chemotaxis. <i>Oncogene</i> , 2016 , 35, 748-60	9.2	194
96	Morphogenesis and morphometric scaling of lung airway development follows phylogeny in chicken, quail, and duck embryos. <i>EvoDevo</i> , 2016 , 7, 12	3.2	8
95	Engineering Three-dimensional Epithelial Tissues Embedded within Extracellular Matrix. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	3

94	On Buckling Morphogenesis. <i>Journal of Biomechanical Engineering</i> , 2016 , 138, 021005	2.1	64
93	Interstitial fluid pressure regulates collective invasion in engineered human breast tumors via Snail, vimentin, and E-cadherin. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 319-31	3.7	62
92	Pulling together: Tissue-generated forces that drive lumen morphogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 55, 139-47	7.5	18
91	The Role of Cell Contractility in Epithelial Morphogenesis. <i>FASEB Journal</i> , 2016 , 30, 232.3	0.9	
90	Tissue Stiffness and Hypoxia Modulate the Integrin-Linked Kinase ILK to Control Breast Cancer Stem-like Cells. <i>Cancer Research</i> , 2016 , 76, 5277-87	10.1	82
89	Mechanically patterning the embryonic airway epithelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9230-5	11.5	67
88	Regulation of tissue morphodynamics: an important role for actomyosin contractility. <i>Current Opinion in Genetics and Development</i> , 2015 , 32, 80-5	4.9	18
87	Localized Smooth Muscle Differentiation Is Essential for Epithelial Bifurcation during Branching Morphogenesis of the Mammalian Lung. <i>Developmental Cell</i> , 2015 , 34, 719-26	10.2	96
86	Mechanotransduction: use the force(s). <i>BMC Biology</i> , 2015 , 13, 47	7.3	141
85	Intercellular Communication, the Tumor Microenvironment, and Tumor Progression 2015 , 343-362		3
84	Dynamic tensile forces drive collective cell migration through three-dimensional extracellular matrices. <i>Scientific Reports</i> , 2015 , 5, 11458	4.9	83
83	Regulation of epithelial-mesenchymal transition in breast cancer cells by cell contact and adhesion. <i>Cancer Informatics</i> , 2015 , 14, 1-13	2.4	47
82	Three-dimensional traction force microscopy of engineered epithelial tissues. <i>Methods in Molecular Biology</i> , 2015 , 1189, 191-206	1.4	9
81	Mechanotransduction, Metastasis and Genomic Instability. <i>Cancer Metastasis - Biology and Treatment</i> , 2015 , 139-158		4
80	Epithelial Engineering: From Sheets to Branched Tubes 2014 , 161-173		2
79	Cellular and physical mechanisms of branching morphogenesis. <i>Development (Cambridge)</i> , 2014 , 141, 2750-9	6.6	111
78	Microstructured extracellular matrices in tissue engineering and development: an update. <i>Annals of Biomedical Engineering</i> , 2014 , 42, 1413-23	4.7	13
77	Toward the directed self-assembly of engineered tissues. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2014 , 5, 507-26	8.9	17

76	Lattice-based model of ductal carcinoma in situ suggests rules for breast cancer progression to an invasive state. <i>PLoS Computational Biology</i> , 2014 , 10, e1003997	5	24
75	Lymphatic function is required prenatally for lung inflation at birth. <i>Journal of Experimental Medicine</i> , 2014 , 211, 815-26	16.6	46
74	Determining the role of matrix compliance in the differentiation of mammary stem cells. <i>Methods in Molecular Biology</i> , 2014 , 1202, 79-94	1.4	
73	Apical constriction initiates new bud formation during monopodial branching of the embryonic chicken lung. <i>Development (Cambridge)</i> , 2013 , 140, 3146-55	6.6	84
72	Forces in epithelial origami. <i>Developmental Cell</i> , 2013 , 26, 554-6	10.2	6
71	Self-Propelled Particle Motion of Cells in Tissues. <i>Biophysical Journal</i> , 2013 , 104, 213a	2.9	
70	Let's push things forward: disruptive technologies and the mechanics of tissue assembly. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 1162-73	3.7	13
69	Transmembrane/cytoplasmic, rather than catalytic, domains of Mmp14 signal to MAPK activation and mammary branching morphogenesis via binding to integrin β . <i>Development (Cambridge)</i> , 2013 , 140, 343-52	6.6	75
68	PI3K regulates branch initiation and extension of cultured mammary epithelia via Akt and Rac1 respectively. <i>Developmental Biology</i> , 2013 , 379, 235-45	3.1	28
67	Quantitative approaches to uncover physical mechanisms of tissue morphogenesis. <i>Current Opinion in Biotechnology</i> , 2013 , 24, 954-61	11.4	11
66	Extracellular matrix proteins regulate epithelial-mesenchymal transition in mammary epithelial cells. <i>Differentiation</i> , 2013 , 86, 126-32	3.5	79
65	Adipose and mammary epithelial tissue engineering. <i>Biomatter</i> , 2013 , 3,		11
64	Transmembrane/cytoplasmic, rather than catalytic, domains of Mmp14 signal to MAPK activation and mammary branching morphogenesis via binding to integrin β . <i>Journal of Cell Science</i> , 2013 , 126, e1-e1	5.3	
63	Symmetry breaking during morphogenesis in the embryo and in engineered tissues. <i>AIChE Journal</i> , 2012 , 58, 3608-3613	3.6	3
62	Matrix compliance and RhoA direct the differentiation of mammary progenitor cells. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012 , 11, 1241-9	3.8	29
61	Dynamics of branched tissue assembly. <i>Stem Cell Research and Therapy</i> , 2012 , 3, 42	8.3	6
60	Matrix compliance regulates Rac1b localization, NADPH oxidase assembly, and epithelial-mesenchymal transition. <i>Molecular Biology of the Cell</i> , 2012 , 23, 4097-108	3.5	87
59	New insights into the regulation of epithelial-mesenchymal transition and tissue fibrosis. <i>International Review of Cell and Molecular Biology</i> , 2012 , 294, 171-221	6	120

58	PI3K signaling in the regulation of branching morphogenesis. <i>BioSystems</i> , 2012 , 109, 403-11	1.9	12
57	Mapping of mechanical strains and stresses around quiescent engineered three-dimensional epithelial tissues. <i>Biophysical Journal</i> , 2012 , 103, 152-62	2.9	102
56	Photoresponsive coumarin-stabilized polymeric nanoparticles as a detectable drug carrier. <i>Small</i> , 2012 , 8, 1693-700	11	66
55	Inhibitory morphogens and monopodial branching of the embryonic chicken lung. <i>Developmental Dynamics</i> , 2012 , 241, 852-62	2.9	19
54	Sculpting organs: mechanical regulation of tissue development. <i>Annual Review of Biomedical Engineering</i> , 2012 , 14, 129-54	12	89
53	Regulation of Epithelial-Mesenchymal Transition by Transmission of Mechanical Stress through Epithelial Tissues. <i>Cancer Microenvironment</i> , 2012 , 5, 29-38	6.1	61
52	Bioengineering and mechanobiology: pushing (and pulling) the limits of cellular mechanics. <i>Molecular Biology of the Cell</i> , 2012 , 23, 969-969	3.5	78
51	Extracellular matrix and cytoskeletal dynamics during branching morphogenesis. <i>Organogenesis</i> , 2012 , 8, 56-64	1.7	57
50	Host epithelial geometry regulates breast cancer cell invasiveness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19632-7	11.5	57
49	Modulation of invasive phenotype by interstitial pressure-driven convection in aggregates of human breast cancer cells. <i>PLoS ONE</i> , 2012 , 7, e45191	3.7	27
48	Engineered tissues to quantify collective cell migration during morphogenesis. <i>Methods in Molecular Biology</i> , 2012 , 886, 173-82	1.4	5
47	Integrated morphodynamic signalling of the mammary gland. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 581-93	48.7	147
46	Snail1, Snail2, and E47 promote mammary epithelial branching morphogenesis. <i>EMBO Journal</i> , 2011 , 30, 2662-74	13	53
45	Mammary branch initiation and extension are inhibited by separate pathways downstream of TGF β in culture. <i>Experimental Cell Research</i> , 2011 , 317, 1872-84	4.2	22
44	Lithographically defined two- and three-dimensional tissue microarrays. <i>Methods in Molecular Biology</i> , 2011 , 671, 107-16	1.4	11
43	Decoupling diffusional from dimensional control of signaling in 3D culture reveals a role for myosin in tubulogenesis. <i>Journal of Cell Science</i> , 2010 , 123, 2877-83	5.3	41
42	Adipose stroma induces branching morphogenesis of engineered epithelial tubules. <i>Tissue Engineering - Part A</i> , 2010 , 16, 3719-26	3.9	19
41	Mechanical tugging force regulates the size of cell-cell junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9944-9	11.5	539

40	Geometrically controlled endothelial tubulogenesis in micropatterned gels. <i>Tissue Engineering - Part A</i> , 2010 , 16, 2255-63	3.9	127
39	Endogenous patterns of mechanical stress are required for branching morphogenesis. <i>Integrative Biology (United Kingdom)</i> , 2010 , 2, 424-34	3.7	114
38	Tissue geometry patterns epithelial-mesenchymal transition via intercellular mechanotransduction. <i>Journal of Cellular Biochemistry</i> , 2010 , 110, 44-51	4.7	144
37	The mechanics of development: Models and methods for tissue morphogenesis. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2010 , 90, 193-202		42
36	Branch formation during organ development. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010 , 2, 734-41	6.6	16
35	Decoupling diffusional from dimensional control of signaling in 3D culture reveals a role for myosin in tubulogenesis. <i>Development (Cambridge)</i> , 2010 , 137, e1-e1	6.6	
34	Homology with vesicle fusion mediator syntaxin-1a predicts determinants of epimorphin/syntaxin-2 function in mammary epithelial morphogenesis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 6877-84	5.4	27
33	Sustained activation of STAT5 is essential for chromatin remodeling and maintenance of mammary-specific function. <i>Journal of Cell Biology</i> , 2009 , 184, 57-66	7.3	92
32	Self-organization of engineered epithelial tubules by differential cellular motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14890-5	11.5	71
31	Geometric control of tissue morphogenesis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 903-10	4.9	66
30	Bidirectional extracellular matrix signaling during tissue morphogenesis. <i>Cytokine and Growth Factor Reviews</i> , 2009 , 20, 459-65	17.9	55
29	Human mammary progenitor cell fate decisions are products of interactions with combinatorial microenvironments. <i>Integrative Biology (United Kingdom)</i> , 2009 , 1, 70-9	3.7	144
28	Laminin and biomimetic extracellular elasticity enhance functional differentiation in mammary epithelia. <i>EMBO Journal</i> , 2008 , 27, 2829-38	13	141
27	Three-dimensional lithographically defined organotypic tissue arrays for quantitative analysis of morphogenesis and neoplastic progression. <i>Nature Protocols</i> , 2008 , 3, 674-8	18.8	106
26	Engineering amount of cell-cell contact demonstrates biphasic proliferative regulation through RhoA and the actin cytoskeleton. <i>Experimental Cell Research</i> , 2008 , 314, 2846-54	4.2	51
25	Change in cell shape is required for matrix metalloproteinase-induced epithelial-mesenchymal transition of mammary epithelial cells. <i>Journal of Cellular Biochemistry</i> , 2008 , 105, 25-33	4.7	105
24	Cell shape regulates global histone acetylation in human mammary epithelial cells. <i>Experimental Cell Research</i> , 2007 , 313, 3066-75	4.2	136
23	Non-classical export of epimorphin and its adhesion to alpha-v-integrin in regulation of epithelial morphogenesis. <i>Journal of Cell Science</i> , 2007 , 120, 2032-43	5.3	45

22	Rap1 integrates tissue polarity, lumen formation, and tumorigenic potential in human breast epithelial cells. <i>Cancer Research</i> , 2007 , 67, 4759-66	10.1	78
21	Cadherins, RhoA, and Rac1 are differentially required for stretch-mediated proliferation in endothelial versus smooth muscle cells. <i>Circulation Research</i> , 2007 , 101, e44-52	15.7	102
20	Manipulation of cell-cell adhesion using bowtie-shaped microwells. <i>Methods in Molecular Biology</i> , 2007 , 370, 1-10	1.4	22
19	E-cadherin engagement stimulates proliferation via Rac1. <i>Journal of Cell Biology</i> , 2006 , 173, 431-41	7.3	86
18	Tissue geometry determines sites of mammary branching morphogenesis in organotypic cultures. <i>Science</i> , 2006 , 314, 298-300	33.3	474
17	Mechanism of Akt1 inhibition of breast cancer cell invasion reveals a protumorigenic role for TSC2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 4134-9	11.5	160
16	Of extracellular matrix, scaffolds, and signaling: tissue architecture regulates development, homeostasis, and cancer. <i>Annual Review of Cell and Developmental Biology</i> , 2006 , 22, 287-309	12.6	842
15	Microstructured extracellular matrices in tissue engineering and development. <i>Current Opinion in Biotechnology</i> , 2006 , 17, 518-23	11.4	98
14	The Ecology of Tumors: By perturbing the microenvironment, wounds and infection may be key to tumor development 2006 , 20, 30		16
13	Emergent patterns of growth controlled by multicellular form and mechanics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 11594-9	11.5	659
12	Rac1b and reactive oxygen species mediate MMP-3-induced EMT and genomic instability. <i>Nature</i> , 2005 , 436, 123-7	50.4	1017
11	Modeling dynamic reciprocity: engineering three-dimensional culture models of breast architecture, function, and neoplastic transformation. <i>Seminars in Cancer Biology</i> , 2005 , 15, 342-52	12.7	267
10	Vascular endothelial-cadherin regulates cytoskeletal tension, cell spreading, and focal adhesions by stimulating RhoA. <i>Molecular Biology of the Cell</i> , 2004 , 15, 2943-53	3.5	156
9	Biomechanical approaches for studying integration of tissue structure and function in mammary epithelia. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2004 , 9, 361-74	2.4	18
8	Simple approach to micropattern cells on common culture substrates by tuning substrate wettability. <i>Tissue Engineering</i> , 2004 , 10, 865-72		191
7	Cell shape, cytoskeletal tension, and RhoA regulate stem cell lineage commitment. <i>Developmental Cell</i> , 2004 , 6, 483-95	10.2	3327
6	Degradation of Micropatterned Surfaces by Cell-Dependent and -Independent Processes□ <i>Langmuir</i> , 2003 , 19, 1493-1499	4	125
5	VE-cadherin simultaneously stimulates and inhibits cell proliferation by altering cytoskeletal structure and tension. <i>Journal of Cell Science</i> , 2003 , 116, 3571-81	5.3	104

4	Fabrication of aligned microstructures with a single elastomeric stamp. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1758-62	11.5	142
3	Cell-cell signaling by direct contact increases cell proliferation via a PI3K-dependent signal. <i>FEBS Letters</i> , 2002 , 514, 238-42	3.8	207
2	Quantitative relationship among integrin-ligand binding, adhesion, and signaling via focal adhesion kinase and extracellular signal-regulated kinase 2. <i>Journal of Biological Chemistry</i> , 1999 , 274, 27119-27	5.4	83
1	Microextrusion Printing Cell-Laden Networks of Type I Collagen with Patterned Anisotropy and Geometry		1