

Valerie marie Weaver

List of Publications by Year in descending order

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152
papers

40,952
citations

9756

73
h-index

9073

144
g-index

154
all docs

154
docs citations

154
times ranked

41969
citing authors

#	ARTICLE	IF	CITATIONS
1	Tensional homeostasis and the malignant phenotype. <i>Cancer Cell</i> , 2005, 8, 241-254.	7.7	3,397
2	Matrix Crosslinking Forces Tumor Progression by Enhancing Integrin Signaling. <i>Cell</i> , 2009, 139, 891-906.	13.5	3,319
3	The extracellular matrix at a glance. <i>Journal of Cell Science</i> , 2010, 123, 4195-4200.	1.2	3,130
4	The extracellular matrix: A dynamic niche in cancer progression. <i>Journal of Cell Biology</i> , 2012, 196, 395-406.	2.3	2,547
5	A framework for advancing our understanding of cancer-associated fibroblasts. <i>Nature Reviews Cancer</i> , 2020, 20, 174-186.	12.8	2,012
6	Effects of substrate stiffness on cell morphology, cytoskeletal structure, and adhesion. <i>Cytoskeleton</i> , 2005, 60, 24-34.	4.4	1,965
7	Depletion of Carcinoma-Associated Fibroblasts and Fibrosis Induces Immunosuppression and Accelerates Pancreas Cancer with Reduced Survival. <i>Cancer Cell</i> , 2014, 25, 719-734.	7.7	1,892
8	A tense situation: forcing tumour progression. <i>Nature Reviews Cancer</i> , 2009, 9, 108-122.	12.8	1,636
9	Extracellular Matrix Degradation and Remodeling in Development and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a005058-a005058.	2.3	1,597
10	The extracellular matrix modulates the hallmarks of cancer. <i>EMBO Reports</i> , 2014, 15, 1243-1253.	2.0	1,391
11	Extracellular matrix assembly: a multiscale deconstruction. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 771-785.	16.1	1,061
12	β 4 integrin-dependent formation of polarized three-dimensional architecture confers resistance to apoptosis in normal and malignant mammary epithelium. <i>Cancer Cell</i> , 2002, 2, 205-216.	7.7	880
13	Balancing forces: architectural control of mechanotransduction. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 308-319.	16.1	817
14	Mechanics, malignancy, and metastasis: The force journey of a tumor cell. <i>Cancer and Metastasis Reviews</i> , 2009, 28, 113-127.	2.7	791
15	Dynamic interplay between the collagen scaffold and tumor evolution. <i>Current Opinion in Cell Biology</i> , 2010, 22, 697-706.	2.6	725
16	The cancer glycocalyx mechanically primes integrin-mediated growth and survival. <i>Nature</i> , 2014, 511, 319-325.	13.7	610
17	The organizing principle: microenvironmental influences in the normal and malignant breast. <i>Differentiation</i> , 2002, 70, 537-546.	1.0	542
18	Actomyosin-Mediated Cellular Tension Drives Increased Tissue Stiffness and β 2-Catenin Activation to Induce Epidermal Hyperplasia and Tumor Growth. <i>Cancer Cell</i> , 2011, 19, 776-791.	7.7	477

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19	Genotype tunes pancreatic ductal adenocarcinoma tissue tension to induce matricellular fibrosis and tumor progression. <i>Nature Medicine</i> , 2016, 22, 497-505.	15.2	456
20	The Tension Mounts: Mechanics Meets Morphogenesis and Malignancy. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2004, 9, 325-342.	1.0	410
21	Tissue mechanics modulate microRNA-dependent PTEN expression to regulate malignant progression. <i>Nature Medicine</i> , 2014, 20, 360-367.	15.2	353
22	Controlled modelling of human epiblast and amnion development using stem cells. <i>Nature</i> , 2019, 573, 421-425.	13.7	338
23	The Extracellular Matrix Modulates the Metastatic Journey. <i>Developmental Cell</i> , 2019, 49, 332-346.	3.1	335
24	Fibrosis and cancer: A strained relationship. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1873, 188356.	3.3	327
25	Feeling Stress: The Mechanics of Cancer Progression and Aggression. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 17.	1.8	288
26	Three-dimensional context regulation of metastasis. <i>Clinical and Experimental Metastasis</i> , 2009, 26, 35-49.	1.7	285
27	Forcing form and function: biomechanical regulation of tumor evolution. <i>Trends in Cell Biology</i> , 2011, 21, 47-56.	3.6	270
28	Tissue mechanics promote IDH1-dependent HIF1 α -tenascin C feedback to regulate glioblastoma aggression. <i>Nature Cell Biology</i> , 2016, 18, 1336-1345.	4.6	259
29	Mammary epithelial cell: Influence of extracellular matrix composition and organization during development and tumorigenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1987-1994.	1.2	254
30	Tissue mechanics regulate brain development, homeostasis and disease. <i>Journal of Cell Science</i> , 2017, 130, 71-82.	1.2	243
31	<i>In situ</i> force mapping of mammary gland transformation. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 910-921.	0.6	242
32	Visualizing dynamic microvillar search and stabilization during ligand detection by T cells. <i>Science</i> , 2017, 356, .	6.0	225
33	MT1-MMP-Dependent Control of Skeletal Stem Cell Commitment via a β 1-Integrin/YAP/TAZ Signaling Axis. <i>Developmental Cell</i> , 2013, 25, 402-416.	3.1	219
34	Integrin Clustering Is Driven by Mechanical Resistance from the Glycocalyx and the Substrate. <i>PLoS Computational Biology</i> , 2009, 5, e1000604.	1.5	217
35	Force Matters: Biomechanical Regulation of Cell Invasion and Migration in Disease. <i>Trends in Cell Biology</i> , 2016, 26, 486-497.	3.6	195
36	Tissue Force Programs Cell Fate and Tumor Aggression. <i>Cancer Discovery</i> , 2017, 7, 1224-1237.	7.7	181

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37	The Physical and Biochemical Properties of the Extracellular Matrix Regulate Cell Fate. <i>Current Topics in Developmental Biology</i> , 2018, 130, 1-37.	1.0	179
38	Autocrine laminin-5 ligates $\alpha 6 \beta 4$ integrin and activates RAC and NF κ B to mediate anchorage-independent survival of mammary tumors. <i>Journal of Cell Biology</i> , 2003, 163, 1397-1407.	2.3	174
39	Multiscale Modeling of Form and Function. <i>Science</i> , 2009, 324, 208-212.	6.0	172
40	Endonuclease Activities Associated with High Molecular Weight and Internucleosomal DNA Fragmentation in Apoptosis. <i>Experimental Cell Research</i> , 1994, 213, 100-106.	1.2	171
41	Force Engages Vinculin and Promotes Tumor Progression by Enhancing PI3K Activation of Phosphatidylinositol (3,4,5)-Triphosphate. <i>Cancer Research</i> , 2014, 74, 4597-4611.	0.4	168
42	Stromally Derived Lysyl Oxidase Promotes Metastasis of Transforming Growth Factor- β Deficient Mouse Mammary Carcinomas. <i>Cancer Research</i> , 2013, 73, 5336-5346.	0.4	164
43	Targeting the cancer-associated fibroblasts as a treatment in triple-negative breast cancer. <i>Oncotarget</i> , 2016, 7, 82889-82901.	0.8	155
44	Death in the third dimension: apoptosis regulation and tissue architecture. <i>Current Opinion in Genetics and Development</i> , 2004, 14, 71-80.	1.5	149
45	Tumor microenvironment and progression. <i>Journal of Surgical Oncology</i> , 2011, 103, 468-474.	0.8	149
46	A physical sciences network characterization of non-tumorigenic and metastatic cells. <i>Scientific Reports</i> , 2013, 3, 1449.	1.6	146
47	A Human Breast Cell Model of Preinvasive to Invasive Transition. <i>Cancer Research</i> , 2008, 68, 1378-1387.	0.4	145
48	Tissue Mechanics Orchestrate Wnt-Dependent Human Embryonic Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2016, 19, 462-475.	5.2	142
49	Rapid disorganization of mechanically interacting systems of mammary acini. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 658-663.	3.3	139
50	Physical and Chemical Gradients in the Tumor Microenvironment Regulate Tumor Cell Invasion, Migration, and Metastasis. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2016, 81, 189-205.	2.0	136
51	Metronomic chemotherapy prevents therapy-induced stromal activation and induction of tumor-initiating cells. <i>Journal of Experimental Medicine</i> , 2016, 213, 2967-2988.	4.2	135
52	Physiological ranges of matrix rigidity modulate primary mouse hepatocyte function in part through hepatocyte nuclear factor 4 alpha. <i>Hepatology</i> , 2016, 64, 261-275.	3.6	133
53	$\alpha 6 \beta 4$ integrin regulates keratinocyte chemotaxis through differential GTPase activation and antagonism of $\alpha 3 \beta 1$ integrin. <i>Journal of Cell Science</i> , 2003, 116, 3543-3556.	1.2	126
54	Microenvironment rigidity modulates responses to the HER2 receptor tyrosine kinase inhibitor lapatinib via YAP and TAZ transcription factors. <i>Molecular Biology of the Cell</i> , 2015, 26, 3946-3953.	0.9	126

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55	Hypoxia-inducible Factor Regulates β 3 Integrin Cell Surface Expression. <i>Molecular Biology of the Cell</i> , 2005, 16, 1901-1912.	0.9	124
56	From transformation to metastasis: deconstructing the extracellular matrix in breast cancer. <i>Cancer and Metastasis Reviews</i> , 2016, 35, 655-667.	2.7	123
57	The development of a functionally relevant cell culture model of progressive human breast cancer. <i>Seminars in Cancer Biology</i> , 1995, 6, 175-184.	4.3	119
58	Mechanical Control of Epithelial-to-Mesenchymal Transitions in Development and Cancer. <i>Annual Review of Cell and Developmental Biology</i> , 2016, 32, 527-554.	4.0	118
59	Lysyl Oxidase-like Protein LOXL2 Promotes Lung Metastasis of Breast Cancer. <i>Cancer Research</i> , 2017, 77, 5846-5859.	0.4	117
60	Wnt4 from the Niche Controls the Mechano-Properties and Quiescent State of Muscle Stem Cells. <i>Cell Stem Cell</i> , 2019, 25, 654-665.e4.	5.2	117
61	Modeling Morphogenesis and Oncogenesis in Three-Dimensional Breast Epithelial Cultures. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2008, 3, 313-339.	9.6	113
62	Integrin-mediated traction force enhances paxillin molecular associations and adhesion dynamics that increase the invasiveness of tumor cells into a three-dimensional extracellular matrix. <i>Molecular Biology of the Cell</i> , 2017, 28, 1467-1488.	0.9	110
63	Filamin A β 1 Integrin Complex Tunes Epithelial Cell Response to Matrix Tension. <i>Molecular Biology of the Cell</i> , 2009, 20, 3224-3238.	0.9	103
64	A tension-mediated glyocalyx-integrin feedback loop promotes mesenchymal-like glioblastoma. <i>Nature Cell Biology</i> , 2018, 20, 1203-1214.	4.6	103
65	Scanning angle interference microscopy reveals cell dynamics at the nanoscale. <i>Nature Methods</i> , 2012, 9, 825-827.	9.0	102
66	Extracellular Matrix Remodeling and Stiffening Modulate Tumor Phenotype and Treatment Response. <i>Annual Review of Cancer Biology</i> , 2017, 1, 313-334.	2.3	101
67	HOXA9 regulates BRCA1 expression to modulate human breast tumor phenotype. <i>Journal of Clinical Investigation</i> , 2010, 120, 1535-1550.	3.9	98
68	Tumor mechanics and metabolic dysfunction. <i>Free Radical Biology and Medicine</i> , 2015, 79, 269-280.	1.3	95
69	Collagen architecture in pregnancy-induced protection from breast cancer. <i>Journal of Cell Science</i> , 2013, 126, 4108-10.	1.2	87
70	Mechanical Tension Promotes Formation of Gastrulation-like Nodes and Patterns Mesoderm Specification in Human Embryonic Stem Cells. <i>Developmental Cell</i> , 2020, 55, 679-694.e11.	3.1	84
71	A 3D tension bioreactor platform to study the interplay between ECM stiffness and tumor phenotype. <i>Journal of Biotechnology</i> , 2015, 193, 66-69.	1.9	83
72	Structural cues from the tissue microenvironment are essential determinants of the human mammary epithelial cell phenotype. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 1998, 3, 201-213.	1.0	82

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73	Effect of substrate stiffness and PDGF on the behavior of vascular smooth muscle cells: Implications for atherosclerosis. <i>Journal of Cellular Physiology</i> , 2010, 225, 115-122.	2.0	82
74	Pancreatic ductal adenocarcinoma progression is restrained by stromal matrix. <i>Journal of Clinical Investigation</i> , 2020, 130, 4704-4709.	3.9	80
75	$\alpha 6 \beta 4$ integrin activates Rac-dependent p21-activated kinase 1 to drive NF- κ B-dependent resistance to apoptosis in 3D mammary acini. <i>Journal of Cell Science</i> , 2007, 120, 3700-3712.	1.2	75
76	Rac-GAP-dependent Inhibition of Breast Cancer Cell Proliferation by $\alpha 2$ -Chimerin. <i>Journal of Biological Chemistry</i> , 2005, 280, 24363-24370.	1.6	74
77	Demystifying the Effects of a Three-Dimensional Microenvironment in Tissue Morphogenesis. <i>Methods in Cell Biology</i> , 2007, 83, 547-583.	0.5	72
78	Watch thy neighbor: cancer is a communal affair. <i>Journal of Cell Science</i> , 2004, 117, 1287-1290.	1.2	71
79	A bulky glycocalyx fosters metastasis formation by promoting G1 cell cycle progression. <i>ELife</i> , 2017, 6, .	2.8	71
80	Targeting acid ceramidase inhibits YAP/TAZ signaling to reduce fibrosis in mice. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	71
81	Tissue mechanics in stem cell fate, development, and cancer. <i>Developmental Cell</i> , 2021, 56, 1833-1847.	3.1	71
82	STAT3 Blockade Inhibits Radiation-Induced Malignant Progression in Glioma. <i>Cancer Research</i> , 2015, 75, 4302-4311.	0.4	70
83	The tissue diagnostic instrument. <i>Review of Scientific Instruments</i> , 2009, 80, 054303.	0.6	66
84	Force-dependent breaching of the basement membrane. <i>Matrix Biology</i> , 2017, 57-58, 178-189.	1.5	66
85	Adhesion-mediated mechanosignaling forces mitohormesis. <i>Cell Metabolism</i> , 2021, 33, 1322-1341.e13.	7.2	65
86	The ultrastructure of MCF-10A acini. <i>Journal of Cellular Physiology</i> , 2006, 208, 141-148.	2.0	63
87	Tissue mechanics, an important regulator of development and disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180215.	1.8	61
88	Deconstructing Signaling in Three Dimensions. <i>Biochemistry</i> , 2014, 53, 2078-2090.	1.2	60
89	Rac-dependent cyclin D1 gene expression regulated by cadherin- and integrin-mediated adhesion. <i>Journal of Cell Science</i> , 2008, 121, 226-233.	1.2	56
90	Tumour-stromal interactions. Integrins and cell adhesions as modulators of mammary cell survival and transformation. <i>Breast Cancer Research</i> , 2001, 3, 224.	2.2	55

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91	Donâ€™t sugarcoat it: How glyocalyx composition influences cancer progression. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	55
92	Discoidin domain receptor 1 (DDR1) ablation promotes tissue fibrosis and hypoxia to induce aggressive basal-like breast cancers. <i>Genes and Development</i> , 2018, 32, 244-257.	2.7	54
93	Exploring the Link Between Human Embryonic Stem Cell Organization and Fate Using Tension-Calibrated Extracellular Matrix Functionalized Polyacrylamide Gels. <i>Methods in Molecular Biology</i> , 2012, 916, 317-350.	0.4	51
94	Analysis of Protein Expression during Oxidative Stress in Breast Epithelial Cells Using a Stable Isotope Labeled Proteome Internal Standard. <i>Journal of Proteome Research</i> , 2005, 4, 2007-2014.	1.8	50
95	CpG Island Tumor Suppressor Promoter Methylation in Non-BRCA-Associated Early Mammary Carcinogenesis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 901-914.	1.1	49
96	Cellular adaptation to biomechanical stress across length scales in tissue homeostasis and disease. <i>Seminars in Cell and Developmental Biology</i> , 2017, 67, 141-152.	2.3	43
97	Development of Aggressive Pancreatic Ductal Adenocarcinomas Depends on Granulocyte Colony Stimulating Factor Secretion in Carcinoma Cells. <i>Cancer Immunology Research</i> , 2017, 5, 718-729.	1.6	41
98	Loss of <i>miR-203</i> regulates cell shape and matrix adhesion through ROBO1/Rac/FAK in response to stiffness. <i>Journal of Cell Biology</i> , 2016, 212, 707-719.	2.3	38
99	Cell and tissue mechanics: the new cell biology frontier. <i>Molecular Biology of the Cell</i> , 2017, 28, 1815-1818.	0.9	38
100	YAP forces fibroblasts to feel the tension. <i>Nature Cell Biology</i> , 2013, 15, 570-572.	4.6	36
101	SWI/SNF chromatin remodeling enzyme ATPases promote cell proliferation in normal mammary epithelial cells. <i>Journal of Cellular Physiology</i> , 2010, 223, 667-678.	2.0	33
102	Protein synthesis, DNA degradation, and morphological changes during programmed cell death in labial glands of <i>Manduca sexta</i> . , 1997, 21, 249-257.		31
103	Fibronectin rescues estrogen receptor $\hat{\pm}$ from lysosomal degradation in breast cancer cells. <i>Journal of Cell Biology</i> , 2018, 217, 2777-2798.	2.3	30
104	Extracellular matrix: the central regulator of cell and tissue homeostasis. <i>Trends in Cell Biology</i> , 1997, 7, 40-42.	3.6	28
105	Proteoglycans as Mediators of Cancer Tissue Mechanics. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 569377.	1.8	28
106	Matrix compliance permits NF- $\hat{\rho}$ B activation to drive therapy resistance in breast cancer. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	27
107	Spatiotemporal mosaic self-patterning of pluripotent stem cells using CRISPR interference. <i>ELife</i> , 2018, 7, .	2.8	27
108	Comprehensive characterization of DNA methylation changes in Fuchs endothelial corneal dystrophy. <i>PLoS ONE</i> , 2017, 12, e0175112.	1.1	26

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109	Autophagy in stromal fibroblasts promotes tumor desmoplasia and mammary tumorigenesis. <i>Genes and Development</i> , 2021, 35, 963-975.	2.7	25
110	Single-cell transcriptome analysis defines heterogeneity of the murine pancreatic ductal tree. <i>ELife</i> , 2021, 10, .	2.8	23
111	Strength Under Tension. <i>Science</i> , 2013, 341, 965-966.	6.0	20
112	Understanding tissue context influences on intratumour heterogeneity. <i>Nature Cell Biology</i> , 2014, 16, 301-302.	4.6	20
113	EPH/EPHRIN regulates cellular organization by actomyosin contractility effects on cell contacts. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	20
114	Adaptation to Low Dietary Calcium in Magnesium-Deficient Rats. <i>Journal of Nutrition</i> , 1988, 118, 729-734.	1.3	18
115	Membrane-Associated MMP Regulators. <i>Developmental Cell</i> , 2002, 2, 6-7.	3.1	18
116	Antisecretory Factorâ€‘Mediated Inhibition of Cell Volume Dynamics Produces Antitumor Activity in Glioblastoma. <i>Molecular Cancer Research</i> , 2018, 16, 777-790.	1.5	16
117	Modeling Tissue Polarity in Context. <i>Journal of Molecular Biology</i> , 2018, 430, 3613-3628.	2.0	16
118	Multicellular Architecture of Malignant Breast Epithelia Influences Mechanics. <i>PLoS ONE</i> , 2014, 9, e101955.	1.1	16
119	Regulation of renal 25(OH)D ₃ 1 α -hydroxylase: signal transduction pathways. <i>Biochemistry and Cell Biology</i> , 1991, 69, 768-770.	0.9	15
120	Excess area dependent scaling behavior of nano-sized membrane tethers. <i>Physical Biology</i> , 2018, 15, 026002.	0.8	15
121	Forcing the Third Dimension. <i>Cell</i> , 2006, 125, 429-431.	13.5	13
122	Visualizing mechanical modulation of nanoscale organization of cell-matrix adhesions. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 795-804.	0.6	12
123	Screening of organoids derived from patients with breast cancer implicates the repressor NCOR2 in cytotoxic stress response and antitumor immunity. <i>Nature Cancer</i> , 2022, 3, 734-752.	5.7	12
124	Molecular Profiling of Prostatic Acinar Morphogenesis Identifies PDCD4 and KLF6 as Tissue Architectureâ€‘Specific Prognostic Markers in Prostate Cancer. <i>American Journal of Pathology</i> , 2013, 182, 363-374.	1.9	11
125	1,25-Dihydroxycholecalciferol Supplementation Prevents Hypocalcemia in Magnesium-Deficient Chicks. <i>Journal of Nutrition</i> , 1993, 123, 764-771.	1.3	10
126	Tumorâ€‘induced solid stress activates β -catenin signaling to drive malignant behavior in normal, tumorâ€‘adjacent cells. <i>BioEssays</i> , 2015, 37, 1293-1297.	1.2	10

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127	Fighting the force: Potential of homeobox genes for tumor microenvironment regulation. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015, 1855, 248-253.	3.3	10
128	Site-Specific Modulation of Charge Controls the Structure and Stimulus Responsiveness of Intrinsically Disordered Peptide Brushes. <i>Langmuir</i> , 2016, 32, 5990-5996.	1.6	10
129	Enforcing Order on Signaling. <i>Science</i> , 2010, 327, 1335-1336.	6.0	9
130	Compartment resolved proteomics reveals a dynamic matrisome in a biomechanically driven model of pancreatic ductal adenocarcinoma. <i>Journal of Immunology and Regenerative Medicine</i> , 2018, 1, 67-75.	0.2	9
131	Activation of protein kinase C modulates dihydroxycholecalciferol synthesis in rat renal tubules. <i>Cellular Signalling</i> , 1992, 4, 293-301.	1.7	8
132	Derivation of a nuclear heterogeneity image index to grade DCIS. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 4063-4070.	1.9	8
133	Laying down the tracks. <i>Nature Materials</i> , 2012, 11, 490-492.	13.3	7
134	Vitamin D Receptors and Compensatory Tissue Growth in Spontaneously Diabetic BB Rats. <i>Annals of Nutrition and Metabolism</i> , 1991, 35, 196-202.	1.0	6
135	New Horizons in Advocacy Engaged Physical Sciences and Oncology Research. <i>Trends in Cancer</i> , 2018, 4, 260-264.	3.8	6
136	Vitamin D metabolism in magnesium deficient chicks. <i>Nutrition Research</i> , 1989, 9, 1363-1369.	1.3	5
137	The microenvironment matters. <i>Molecular Biology of the Cell</i> , 2014, 25, 3254-3258.	0.9	5
138	Immunosuppressive glycoproteins associate with breast tumor fibrosis and aggression. <i>Matrix Biology Plus</i> , 2022, 14, 100105.	1.9	5
139	Patterning the Geometry of Human Embryonic Stem Cell Colonies on Compliant Substrates to Control Tissue-Level Mechanics. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	4
140	Çâ€ˆrabâ€™bing the Microenvironment for Invasion. <i>Developmental Cell</i> , 2007, 13, 462-463.	3.1	3
141	Extracellular Matrix and Nuclear Matrix Interactions May Regulate Apoptosis and Tissue-Specific Gene Expression: A Concept Whose Time has Come. <i>Advances in Molecular and Cell Biology</i> , 1997, 24, 1-55.	0.1	2
142	Membrane Tension Locks In Pluripotency. <i>Cell Stem Cell</i> , 2021, 28, 175-176.	5.2	2
143	Mechanosensitive steroid hormone signaling and cell fate. <i>Endocrinology</i> , 0, , .	1.4	2
144	Zena Werb 1945â€™2020. <i>Nature Cancer</i> , 2020, 1, 753-754.	5.7	1

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145	Improving DCIS diagnosis and predictive outcome by applying artificial intelligence. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188555.	3.3	1
146	ATPS-63 OSMOTIC SWELLING REGULATES TUMOR GROWTH AND DRUG UPTAKE IN HUMAN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2015, 17, v32.1-v32.	0.6	0
147	EXTH-23. ANTISECRETORY FACTOR-MEDIATED LOWERING OF INTERSTITIAL FLUID PRESSURE PRODUCES ANTI-TUMOR ACTIVITY IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2017, 19, vi77-vi77.	0.6	0
148	TMIC-43. A TENSION-MEDIATED GLYCOCALYX FEEDBACK LOOP PROMOTES A MESENCHYMAL, STEM-LIKE PHENOTYPE IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2018, 20, vi265-vi266.	0.6	0
149	Mechanobiology: forcing the second act. <i>Molecular Biology of the Cell</i> , 2021, 32, 1611-1613.	0.9	0
150	Zena Werb (1945–2020): Mourning the loss of a tissue microenvironment icon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27759-27760.	3.3	0
151	NCI's publication affiliation conundrum: Reframing innovation to incentivize an equitable path for advocate representation. <i>Translational Oncology</i> , 2022, 16, 101325.	1.7	0
152	The glycocalyx in tumor progression and metastasis. <i>FASEB Journal</i> , 2022, 36, .	0.2	0