

Valerie marie Weaver

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.

146
papers

30,777
citations

70
h-index

154
g-index

154
ext. papers

36,870
ext. citations

12
avg, IF

7.48
L-index

#	Paper	IF	Citations
146	Immunosuppressive glycoproteins associate with breast tumor fibrosis and aggression.. <i>Matrix Biology Plus</i> , 2022 , 14, 100105	5.1	1
145	NCIS publication affiliation conundrum: Reframing innovation to incentivize an equitable path for advocate representation.. <i>Translational Oncology</i> , 2021 , 16, 101325	4.9	
144	EPH/EPHRIN regulates cellular organization by actomyosin contractility effects on cell contacts. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	5
143	Matrix compliance permits NF- κ B activation to drive therapy resistance in breast cancer. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	4
142	Single-cell transcriptome analysis defines heterogeneity of the murine pancreatic ductal tree. <i>ELife</i> , 2021 , 10,	8.9	7
141	Autophagy in stromal fibroblasts promotes tumor desmoplasia and mammary tumorigenesis. <i>Genes and Development</i> , 2021 , 35, 963-975	12.6	6
140	Adhesion-mediated mechanosignaling forces mitohormesis. <i>Cell Metabolism</i> , 2021 , 33, 1322-1341.e13	24.6	12
139	Tissue mechanics in stem cell fate, development, and cancer. <i>Developmental Cell</i> , 2021 , 56, 1833-1847	10.2	11
138	Membrane Tension Locks In Pluripotency. <i>Cell Stem Cell</i> , 2021 , 28, 175-176	18	1
137	Improving DCIS diagnosis and predictive outcome by applying artificial intelligence. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021 , 1876, 188555	11.2	
136	Fibrosis and cancer: A strained relationship. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020 , 1873, 188356	11.2	105
135	A framework for advancing our understanding of cancer-associated fibroblasts. <i>Nature Reviews Cancer</i> , 2020 , 20, 174-186	31.3	790
134	Pancreatic ductal adenocarcinoma progression is restrained by stromal matrix. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4704-4709	15.9	44
133	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	11.5	
132	Derivation of a nuclear heterogeneity image index to grade DCIS. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 4063-4070	6.8	4
131	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	10.2	28
130	Don't sugarcoat it: How glycocalyx composition influences cancer progression. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	20

129	Zena Werb 1945-2020.. <i>Nature Cancer</i> , 2020 , 1, 753-754	15.4	1
128	Targeting acid ceramidase inhibits YAP/TAZ signaling to reduce fibrosis in mice. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	25
127	Proteoglycans as Mediators of Cancer Tissue Mechanics. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 569377	5.7	8
126	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	18	54
125	Controlled modelling of human epiblast and amnion development using stem cells. <i>Nature</i> , 2019 , 573, 421-425	50.4	169
124	The Extracellular Matrix Modulates the Metastatic Journey. <i>Developmental Cell</i> , 2019 , 49, 332-346	10.2	153
123	Tissue mechanics, an important regulator of development and disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180215	5.8	29
122	Patterning the Geometry of Human Embryonic Stem Cell Colonies on Compliant Substrates to Control Tissue-Level Mechanics. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	2
121	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	12.6	27
120	Antisecretory Factor-Mediated Inhibition of Cell Volume Dynamics Produces Antitumor Activity in Glioblastoma. <i>Molecular Cancer Research</i> , 2018 , 16, 777-790	6.6	10
119	New Horizons in Advocacy Engaged Physical Sciences and Oncology Research. <i>Trends in Cancer</i> , 2018 , 4, 260-264	12.5	5
118	Modeling Tissue Polarity in Context. <i>Journal of Molecular Biology</i> , 2018 , 430, 3613-3628	6.5	10
117	Fibronectin rescues estrogen receptor β from lysosomal degradation in breast cancer cells. <i>Journal of Cell Biology</i> , 2018 , 217, 2777-2798	7.3	22
116	Feeling Stress: The Mechanics of Cancer Progression and Aggression. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 17	5.7	164
115	The Physical and Biochemical Properties of the Extracellular Matrix Regulate Cell Fate. <i>Current Topics in Developmental Biology</i> , 2018 , 130, 1-37	5.3	113
114	Spatiotemporal mosaic self-patterning of pluripotent stem cells using CRISPR interference. <i>ELife</i> , 2018 , 7,	8.9	19
113	Excess area dependent scaling behavior of nano-sized membrane tethers. <i>Physical Biology</i> , 2018 , 15, 026002	3	8
112	TMIC-43. A TENSION-MEDIATED GLYCOCALYX FEEDBACK LOOP PROMOTES A MESENCHYMAL, STEM-LIKE PHENOTYPE IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2018 , 20, vi265-vi266	1	78

111	A tension-mediated glyocalyx-integrin feedback loop promotes mesenchymal-like glioblastoma. <i>Nature Cell Biology</i> , 2018 , 20, 1203-1214	23.4	60
110	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	2.8	8
109	Visualizing dynamic microvillar search and stabilization during ligand detection by T cells. <i>Science</i> , 2017 , 356,	33.3	133
108	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	3.5	84
107	Force-dependent breaching of the basement membrane. <i>Matrix Biology</i> , 2017 , 57-58, 178-189	11.4	49
106	Tissue mechanics regulate brain development, homeostasis and disease. <i>Journal of Cell Science</i> , 2017 , 130, 71-82	5.3	160
105	Extracellular Matrix Remodeling and Stiffening Modulate Tumor Phenotype and Treatment Response. <i>Annual Review of Cancer Biology</i> , 2017 , 1, 313-334	13.3	59
104	Tissue Force Programs Cell Fate and Tumor Aggression. <i>Cancer Discovery</i> , 2017 , 7, 1224-1237	24.4	125
103	Lysyl Oxidase-like Protein LOXL2 Promotes Lung Metastasis of Breast Cancer. <i>Cancer Research</i> , 2017 , 77, 5846-5859	10.1	84
102	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	12.5	30
101	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	7.5	35
100	EXTH-23. ANTISECRETORY FACTOR-MEDIATED LOWERING OF INTERSTITIAL FLUID PRESSURE PRODUCES ANTI-TUMOR ACTIVITY IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2017 , 19, vi77-vi77	1	78
99	A bulky glyocalyx fosters metastasis formation by promoting G1 cell cycle progression. <i>ELife</i> , 2017 , 6,	8.9	43
98	Comprehensive characterization of DNA methylation changes in Fuchs endothelial corneal dystrophy. <i>PLoS ONE</i> , 2017 , 12, e0175112	3.7	16
97	Metronomic chemotherapy prevents therapy-induced stromal activation and induction of tumor-initiating cells. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2967-2988	16.6	106
96	Tissue Mechanics Orchestrate Wnt-Dependent Human Embryonic Stem Cell Differentiation. <i>Cell Stem Cell</i> , 2016 , 19, 462-475	18	100
95	Tissue mechanics promote IDH1-dependent HIF1 α -tenascin C feedback to regulate glioblastoma aggression. <i>Nature Cell Biology</i> , 2016 , 18, 1336-1345	23.4	157
94	Mechanical Control of Epithelial-to-Mesenchymal Transitions in Development and Cancer. <i>Annual Review of Cell and Developmental Biology</i> , 2016 , 32, 527-554	12.6	85

93	Loss of miR-203 regulates cell shape and matrix adhesion through ROBO1/Rac/FAK in response to stiffness. <i>Journal of Cell Biology</i> , 2016 , 212, 707-19	7.3	30
92	Targeting the cancer-associated fibroblasts as a treatment in triple-negative breast cancer. <i>Oncotarget</i> , 2016 , 7, 82889-82901	3.3	108
91	Physiological ranges of matrix rigidity modulate primary mouse hepatocyte function in part through hepatocyte nuclear factor 4 alpha. <i>Hepatology</i> , 2016 , 64, 261-75	11.2	86
90	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	3.9	93
89	From transformation to metastasis: deconstructing the extracellular matrix in breast cancer. <i>Cancer and Metastasis Reviews</i> , 2016 , 35, 655-667	9.6	83
88	Site-Specific Modulation of Charge Controls the Structure and Stimulus Responsiveness of Intrinsically Disordered Peptide Brushes. <i>Langmuir</i> , 2016 , 32, 5990-6	4	8
87	Force Matters: Biomechanical Regulation of Cell Invasion and Migration in Disease. <i>Trends in Cell Biology</i> , 2016 , 26, 486-497	18.3	150
86	Genotype tunes pancreatic ductal adenocarcinoma tissue tension to induce matricellular fibrosis and tumor progression. <i>Nature Medicine</i> , 2016 , 22, 497-505	50.5	338
85	Visualizing mechanical modulation of nanoscale organization of cell-matrix adhesions. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 795-804	3.7	4
84	Fighting the force: Potential of homeobox genes for tumor microenvironment regulation. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015 , 1855, 248-53	11.2	7
83	STAT3 Blockade Inhibits Radiation-Induced Malignant Progression in Glioma. <i>Cancer Research</i> , 2015 , 75, 4302-11	10.1	58
82	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, 3946-53	3.5	89
81	A 3D tension bioreactor platform to study the interplay between ECM stiffness and tumor phenotype. <i>Journal of Biotechnology</i> , 2015 , 193, 66-9	3.7	67
80	Tumor-induced solid stress activates E-cadherin signaling to drive malignant behavior in normal, tumor-adjacent cells. <i>BioEssays</i> , 2015 , 37, 1293-7	4.1	8
79	ATPS-63OSMOTIC SWELLING REGULATES TUMOR GROWTH AND DRUG UPTAKE IN HUMAN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2015 , 17, v32.1-v32	1	78
78	Tumor mechanics and metabolic dysfunction. <i>Free Radical Biology and Medicine</i> , 2015 , 79, 269-80	7.8	79
77	Understanding tissue context influences on intratumour heterogeneity. <i>Nature Cell Biology</i> , 2014 , 16, 301-2	23.4	20
76	The extracellular matrix modulates the hallmarks of cancer. <i>EMBO Reports</i> , 2014 , 15, 1243-53	6.5	957

75	Extracellular matrix assembly: a multiscale deconstruction. <i>Nature Reviews Molecular Cell Biology</i> , 2014 , 15, 771-85	48.7	756
74	The cancer glycocalyx mechanically primes integrin-mediated growth and survival. <i>Nature</i> , 2014 , 511, 319-25	50.4	425
73	Depletion of carcinoma-associated fibroblasts and fibrosis induces immunosuppression and accelerates pancreas cancer with reduced survival. <i>Cancer Cell</i> , 2014 , 25, 719-34	24.3	1332
72	Deconstructing signaling in three dimensions. <i>Biochemistry</i> , 2014 , 53, 2078-90	3.2	43
71	Force engages vinculin and promotes tumor progression by enhancing PI3K activation of phosphatidylinositol (3,4,5)-triphosphate. <i>Cancer Research</i> , 2014 , 74, 4597-611	10.1	128
70	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, 658-63	11.5	98
69	The microenvironment matters. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3254-8	3.5	5
68	Tissue mechanics modulate microRNA-dependent PTEN expression to regulate malignant progression. <i>Nature Medicine</i> , 2014 , 20, 360-7	50.5	291
67	Multicellular architecture of malignant breast epithelia influences mechanics. <i>PLoS ONE</i> , 2014 , 9, e101955	3.7	14
66	Molecular profiling of prostatic acinar morphogenesis identifies PDCD4 and KLF6 as tissue architecture-specific prognostic markers in prostate cancer. <i>American Journal of Pathology</i> , 2013 , 182, 363-74	5.8	9
65	Collagen architecture in pregnancy-induced protection from breast cancer. <i>Journal of Cell Science</i> , 2013 , 126, 4108-10	5.3	72
64	MT1-MMP-dependent control of skeletal stem cell commitment via a β -integrin/YAP/TAZ signaling axis. <i>Developmental Cell</i> , 2013 , 25, 402-16	10.2	185
63	Stromally derived lysyl oxidase promotes metastasis of transforming growth factor- β -deficient mouse mammary carcinomas. <i>Cancer Research</i> , 2013 , 73, 5336-46	10.1	125
62	Cell biology. Strength under tension. <i>Science</i> , 2013 , 341, 965-6	33.3	15
61	A physical sciences network characterization of non-tumorigenic and metastatic cells. <i>Scientific Reports</i> , 2013 , 3, 1449	4.9	113
60	Scanning angle interference microscopy reveals cell dynamics at the nanoscale. <i>Nature Methods</i> , 2012 , 9, 825-7	21.6	78
59	The extracellular matrix: a dynamic niche in cancer progression. <i>Journal of Cell Biology</i> , 2012 , 196, 395-406	46.3	1999
58	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, 317-50	1.4	35

57	Balancing forces: architectural control of mechanotransduction. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 308-19	48.7	698
56	Forcing form and function: biomechanical regulation of tumor evolution. <i>Trends in Cell Biology</i> , 2011 , 21, 47-56	18.3	226
55	Actomyosin-mediated cellular tension drives increased tissue stiffness and E-catenin activation to induce epidermal hyperplasia and tumor growth. <i>Cancer Cell</i> , 2011 , 19, 776-91	24.3	391
54	Tumor microenvironment and progression. <i>Journal of Surgical Oncology</i> , 2011 , 103, 468-74	2.8	120
53	In situ force mapping of mammary gland transformation. <i>Integrative Biology (United Kingdom)</i> , 2011 , 3, 910-21	3.7	207
52	Extracellular matrix degradation and remodeling in development and disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	1165
51	Biophysics. Enforcing order on signaling. <i>Science</i> , 2010 , 327, 1335-6	33.3	8
50	The extracellular matrix at a glance. <i>Journal of Cell Science</i> , 2010 , 123, 4195-200	5.3	2175
49	Dynamic interplay between the collagen scaffold and tumor evolution. <i>Current Opinion in Cell Biology</i> , 2010 , 22, 697-706	9	585
48	SWI/SNF chromatin remodeling enzyme ATPases promote cell proliferation in normal mammary epithelial cells. <i>Journal of Cellular Physiology</i> , 2010 , 223, 667-78	7	27
47	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, 115-22	7	69
46	HOXA9 regulates BRCA1 expression to modulate human breast tumor phenotype. <i>Journal of Clinical Investigation</i> , 2010 , 120, 1535-50	15.9	81
45	The tissue diagnostic instrument. <i>Review of Scientific Instruments</i> , 2009 , 80, 054303	1.7	57
44	CpG island tumor suppressor promoter methylation in non-BRCA-associated early mammary carcinogenesis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009 , 18, 901-14	4	44
43	Integrin clustering is driven by mechanical resistance from the glycocalyx and the substrate. <i>PLoS Computational Biology</i> , 2009 , 5, e1000604	5	176
42	Filamin A-beta1 integrin complex tunes epithelial cell response to matrix tension. <i>Molecular Biology of the Cell</i> , 2009 , 20, 3224-38	3.5	97
41	Mechanics, malignancy, and metastasis: the force journey of a tumor cell. <i>Cancer and Metastasis Reviews</i> , 2009 , 28, 113-27	9.6	674
40	Three-dimensional context regulation of metastasis. <i>Clinical and Experimental Metastasis</i> , 2009 , 26, 35-49.	4.7	245

39	A tense situation: forcing tumour progression. <i>Nature Reviews Cancer</i> , 2009 , 9, 108-22	31.3	1315
38	Matrix crosslinking forces tumor progression by enhancing integrin signaling. <i>Cell</i> , 2009 , 139, 891-906	56.2	2673
37	Multiscale modeling of form and function. <i>Science</i> , 2009 , 324, 208-12	33.3	149
36	Modeling morphogenesis and oncogenesis in three-dimensional breast epithelial cultures. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2008 , 3, 313-39	34	106
35	A human breast cell model of preinvasive to invasive transition. <i>Cancer Research</i> , 2008 , 68, 1378-87	10.1	130
34	Rac-dependent cyclin D1 gene expression regulated by cadherin- and integrin-mediated adhesion. <i>Journal of Cell Science</i> , 2008 , 121, 226-33	5.3	47
33	Demystifying the effects of a three-dimensional microenvironment in tissue morphogenesis. <i>Methods in Cell Biology</i> , 2007 , 83, 547-83	1.8	62
32	alpha6beta4 integrin activates Rac-dependent p21-activated kinase 1 to drive NF-kappaB-dependent resistance to apoptosis in 3D mammary acini. <i>Journal of Cell Science</i> , 2007 , 120, 3700-12	5.3	65
31	GSab\$ing the microenvironment for invasion. <i>Developmental Cell</i> , 2007 , 13, 462-3	10.2	3
30	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, 1987-94	5.6	225
29	The ultrastructure of MCF-10A acini. <i>Journal of Cellular Physiology</i> , 2006 , 208, 141-8	7	56
28	Forcing the third dimension. <i>Cell</i> , 2006 , 125, 429-31	56.2	13
27	Tensional homeostasis and the malignant phenotype. <i>Cancer Cell</i> , 2005 , 8, 241-54	24.3	2866
26	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, 2007-14	5.6	43
25	Effects of substrate stiffness on cell morphology, cytoskeletal structure, and adhesion. <i>Cytoskeleton</i> , 2005 , 60, 24-34		1699
24	Hypoxia-inducible factor regulates alphavbeta3 integrin cell surface expression. <i>Molecular Biology of the Cell</i> , 2005 , 16, 1901-12	3.5	111
23	Rac-GAP-dependent inhibition of breast cancer cell proliferation by {beta}2-chimerin. <i>Journal of Biological Chemistry</i> , 2005 , 280, 24363-70	5.4	66
22	Watch thy neighbor: cancer is a communal affair. <i>Journal of Cell Science</i> , 2004 , 117, 1287-90	5.3	62

21	The tension mounts: mechanics meets morphogenesis and malignancy. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2004 , 9, 325-42	2.4	369
20	Death in the third dimension: apoptosis regulation and tissue architecture. <i>Current Opinion in Genetics and Development</i> , 2004 , 14, 71-80	4.9	129
19	Autocrine laminin-5 ligates alpha6beta4 integrin and activates RAC and NFkappaB to mediate anchorage-independent survival of mammary tumors. <i>Journal of Cell Biology</i> , 2003 , 163, 1397-407	7.3	158
18	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, 3543-56	5.3	117
17	beta4 integrin-dependent formation of polarized three-dimensional architecture confers resistance to apoptosis in normal and malignant mammary epithelium. <i>Cancer Cell</i> , 2002 , 2, 205-16	24.3	803
16	The organizing principle: microenvironmental influences in the normal and malignant breast. <i>Differentiation</i> , 2002 , 70, 537-46	3.5	473
15	Membrane-associated MMP regulators: novel cell adhesion tumor suppressor proteins?. <i>Developmental Cell</i> , 2002 , 2, 6-7	10.2	13
14	Tumour-stromal interactions. Integrins and cell adhesions as modulators of mammary cell survival and transformation. <i>Breast Cancer Research</i> , 2001 , 3, 224-9	8.3	43
13	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, 201-13	2.4	70
12	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		1
11	Extracellular matrix: the central regulator of cell and tissue homeostasis. <i>Trends in Cell Biology</i> , 1997 , 7, 40-2	18.3	23
10	Protein synthesis, DNA degradation, and morphological changes during programmed cell death in labial glands of <i>Manduca sexta</i> . <i>Genesis</i> , 1997 , 21, 249-57		27
9	The development of a functionally relevant cell culture model of progressive human breast cancer. <i>Seminars in Cancer Biology</i> , 1995 , 6, 175-84	12.7	107
8	Endonuclease activities associated with high molecular weight and internucleosomal DNA fragmentation in apoptosis. <i>Experimental Cell Research</i> , 1994 , 213, 100-6	4.2	152
7	1,25-dihydroxycholecalciferol supplementation prevents hypocalcemia in magnesium-deficient chicks. <i>Journal of Nutrition</i> , 1993 , 123, 764-71	4.1	7
6	Activation of protein kinase C modulates dihydroxycholecalciferol synthesis in rat renal tubules. <i>Cellular Signalling</i> , 1992 , 4, 293-301	4.9	7
5	Regulation of renal 25(OH)D3 1 alpha-hydroxylase: signal transduction pathways. <i>Biochemistry and Cell Biology</i> , 1991 , 69, 768-70	3.6	12
4	Vitamin D receptors and compensatory tissue growth in spontaneously diabetic BB rats. <i>Annals of Nutrition and Metabolism</i> , 1991 , 35, 196-202	4.5	5

3	Vitamin D metabolism in magnesium deficient chicks. <i>Nutrition Research</i> , 1989 , 9, 1363-1369	4	4
2	Adaptation to low dietary calcium in magnesium-deficient rats. <i>Journal of Nutrition</i> , 1988 , 118, 729-34	4.1	14
1	Mechanics regulate human embryonic stem cell self-organization to specify mesoderm		1