Kenneth M Yamada

List of Publications by Year in Descending Order

285 papers	41,564 citations	94 h-index	201 g-index
388 ext. papers	44,752 ext. citations	11.2 avg, IF	7.57 L-index

#	Paper	IF	Citations
285	Visualization of trigeminal ganglion sensory neuronal signaling regulated by Cdk5.. *Cell Reports*, **2022**, 38, 110458	10.6	0
284	Non-apoptotic activation of Drosophila caspase-2/9 modulates JNK signaling, the tumor microenvironment, and growth of wound-like tumors.. *Cell Reports*, **2022**, 39, 110718	10.6	0
283	Cell-extracellular matrix dynamics.. *Physical Biology*, **2021**,	3	4
282	Budding epithelial morphogenesis driven by cell-matrix versus cell-cell adhesion. *Cell*, **2021**, 184, 3702-3716.e30	39.6	12
281	3D mesenchymal cell migration is driven by anterior cellular contraction that generates an extracellular matrix prestrain. *Developmental Cell*, **2021**, 56, 826-841.e4	10.2	18
280	Hemin activation abrogates Mycoplasma hyorhinis replication in chronically infected prostate cancer cells via heme oxygenase-1 induction. *FEBS Open Bio*, **2021**, 11, 2727-2739	2.7	0
279	Extracellular Matrix in Human Craniofacial Development. *Journal of Dental Research*, **2021**, 22034521105299	5.2	82
278	The extracellular matrix in development. *Development (Cambridge)*, **2020**, 147,	6.6	64
277	Cell and matrix dynamics in branching morphogenesis **2020**, 217-235		1
276	Basement Membrane Regulates Fibronectin Organization Using Sliding Focal Adhesions Driven by a Contractile Winch. *Developmental Cell*, **2020**, 52, 631-646.e4	10.2	30
275	Direct comparison of five different 3D extracellular matrix model systems for characterization of cancer cell migration. *Cancer Reports*, **2020**, 3, e1257	1.5	5
274	Mechanisms of 3D cell migration. *Nature Reviews Molecular Cell Biology*, **2019**, 20, 738-752	48.7	244
273	Durotaxis by Human Cancer Cells. *Biophysical Journal*, **2019**, 116, 670-683	2.9	71
272	Extracellular matrix dynamics in cell migration, invasion and tissue morphogenesis. *International Journal of Experimental Pathology*, **2019**, 100, 144-152	2.8	29
271	Characterization of stitch adhesions: Fibronectin-containing cell-cell contacts formed by fibroblasts. *Experimental Cell Research*, **2019**, 384, 111616	4.2	6
270	Interaction of Pregnancy-Specific Glycoprotein 1 With Integrin 51 Is a Modulator of Extravillous Trophoblast Functions. *Cells*, **2019**, 8,	7.9	13
269	Cell adhesion to anosmin via 51, 41, and 91 integrins. *Cell Adhesion and Migration*, **2018**, 12, 93-100	3.2	2

268	Basement Membranes in Development and Disease. *Current Topics in Developmental Biology*, **2018**, 130, 143-191	5.3	64
267	Isolation of Fibronectin from Plasma and Cells **2018**, 111-124		4
266	Nrf2-dependent induction of innate host defense via heme oxygenase-1 inhibits Zika virus replication. *Virology*, **2017**, 503, 1-5	3.6	22
265	Patterned cell and matrix dynamics in branching morphogenesis. *Journal of Cell Biology*, **2017**, 216, 559-570	7.3	57
264	Btbd7 is essential for region-specific epithelial cell dynamics and branching morphogenesis. *Development (Cambridge)*, **2017**, 144, 2200-2211	6.6	23
263	Activating the nuclear piston mechanism of 3D migration in tumor cells. *Journal of Cell Biology*, **2017**, 216, 93-100	7.3	69
262	Localized Lysosome Exocytosis Helps Breach Tissue Barriers. *Developmental Cell*, **2017**, 43, 377-378	10.2	3
261	Mechanosensing via cell-matrix adhesions in 3D microenvironments. *Experimental Cell Research*, **2016**, 343, 60-66	4.2	158
260	Therapeutic potential of the heme oxygenase-1 inducer hemin against Ebola virus infection. *Current Trends in Immunology*, **2016**, 17, 117-123	4	7
259	Defective iron homeostasis in human immunodeficiency virus type-1 latency. *Current Trends in Immunology*, **2016**, 17, 125-131	4	2
258	Dynamic cell-matrix interactions modulate microbial biofilm and tissue 3D microenvironments. *Current Opinion in Cell Biology*, **2016**, 42, 102-112	9	65
257	Multiple mechanisms of 3D migration: the origins of plasticity. *Current Opinion in Cell Biology*, **2016**, 42, 7-12	9	83
256	Post-polymerization crosstalk between the actin cytoskeleton and microtubule network. *Bioarchitecture*, **2016**, 6, 53-9		11
255	Hemin activation of innate cellular response blocks human immunodeficiency virus type-1-induced osteoclastogenesis. *Biochemical and Biophysical Research Communications*, **2015**, 464, 7-12	3.4	3
254	Rho GEFs and GAPs: emerging integrators of extracellular matrix signaling. *Small GTPases*, **2015**, 6, 16-9	2.7	16
253	Fibroblasts Lead the Way: A Unified View of 3D Cell Motility. *Trends in Cell Biology*, **2015**, 25, 666-674	18.3	58
252	Local 3D matrix microenvironment regulates cell migration through spatiotemporal dynamics of contractility-dependent adhesions. *Nature Communications*, **2015**, 6, 8720	17.4	262
251	Cell Adhesion and Movement **2015**, 61-72		0

250	Dense fibrillar collagen is a potent inducer of invadopodia via a specific signaling network. *Journal of Cell Biology*, **2015**, 208, 331-50	7.3	83
249	MYPT1 regulates contractility and microtubule acetylation to modulate integrin adhesions and matrix assembly. *Nature Communications*, **2014**, 5, 3510	17.4	46
248	Non-coding RNAs and heme oxygenase-1 in vaccinia virus infection. *Biochemical and Biophysical Research Communications*, **2014**, 454, 84-8	3.4	2
247	Generation of compartmentalized pressure by a nuclear piston governs cell motility in a 3D matrix. *Science*, **2014**, 345, 1062-5	33.3	228
246	Local and global dynamics of the basement membrane during branching morphogenesis require protease activity and actomyosin contractility. *Developmental Biology*, **2014**, 394, 197-205	3.1	78
245	An extracellular-matrix-specific GEF-GAP interaction regulates Rho GTPase crosstalk for 3D collagen migration. *Nature Cell Biology*, **2014**, 16, 909-17	23.4	61
244	Dimensions in cell migration. *Current Opinion in Cell Biology*, **2013**, 25, 642-9	9	138
243	Regulation of cell adhesion and migration by cell-derived matrices. *Experimental Cell Research*, **2013**, 319, 2434-9	4.2	48
242	Region-specific epithelial cell dynamics during branching morphogenesis. *Developmental Dynamics*, **2013**, 242, C1-C1	2.9	1
241	ECM-modulated cellular dynamics as a driving force for tissue morphogenesis. *Current Opinion in Genetics and Development*, **2013**, 23, 408-14	4.9	133
240	Heme oxygenase-1 induction alters chemokine regulation and ameliorates human immunodeficiency virus-type-1 infection in lipopolysaccharide-stimulated macrophages. *Biochemical and Biophysical Research Communications*, **2013**, 435, 373-7	3.4	16
239	Cloning and characterization of chicken 5 integrin: endogenous and experimental expression in early chicken embryos. *Matrix Biology*, **2013**, 32, 381-6	11.4	5
238	CellECM Interactions and the Regulation of Epithelial Branching Morphogenesis. *Biology of Extracellular Matrix*, **2013**, 75-104	0.6	1
237	Region-specific epithelial cell dynamics during branching morphogenesis. *Developmental Dynamics*, **2013**, 242, 1066-77	2.9	33
236	Heme oxygenase-1-mediated host cell response inhibits the susceptibility of prostate cancer cells to retroviral infection and retards their proliferation. *Current Trends in Immunology*, **2013**, 14, 53-56	4	6
235	At the leading edge of three-dimensional cell migration. *Journal of Cell Science*, **2012**, 125, 5917-26	5.3	220
234	New dimensions in cell migration. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 743-7	48.7	183
233	Extracellular matrix protein anosmin promotes neural crest formation and regulates FGF, BMP, and WNT activities. *Developmental Cell*, **2012**, 23, 305-16	10.2	54

232	Nonpolarized signaling reveals two distinct modes of 3D cell migration. *Journal of Cell Biology*, **2012**, 197, 439-55	7.3	273
231	Viral gene transfer to developing mouse salivary glands. *Journal of Dental Research*, **2012**, 91, 197-202	8.1	11
230	Micro-environmental control of cell migration--myosin IIA is required for efficient migration in fibrillar environments through control of cell adhesion dynamics. *Journal of Cell Science*, **2012**, 125, 2244-56	5.3	91
229	Integrin β1, β3 effectors p130Cas, Src and talin regulate carcinoma invasion and chemoresistance. *Biochemical and Biophysical Research Communications*, **2011**, 406, 171-6	3.4	36
228	Direct comparisons of the morphology, migration, cell adhesions, and actin cytoskeleton of fibroblasts in four different three-dimensional extracellular matrices. *Tissue Engineering - Part A*, **2011**, 17, 713-24	3.9	229
227	Cell-matrix adhesions in 3D. *Matrix Biology*, **2011**, 30, 363-8	11.4	174
226	Dynamic membrane remodeling at invadopodia differentiates invadopodia from podosomes. *European Journal of Cell Biology*, **2011**, 90, 172-80	6.1	51
225	Molecular architecture and function of matrix adhesions. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	368
224	Dynamics of salivary gland morphogenesis. *Journal of Dental Research*, **2011**, 90, 1070-7	8.1	62
223	Salivary gland gene expression atlas identifies a new regulator of branching morphogenesis. *Journal of Dental Research*, **2011**, 90, 1078-84	8.1	23
222	Btbd7 regulates epithelial cell dynamics and branching morphogenesis. *Science*, **2010**, 329, 562-5	33.3	118
221	Kenneth Yamada: exploring the paths of cell migration by Short Ben. *Journal of Cell Biology*, **2010**, 188, 178-9	7.3	
220	Salivary gland branching morphogenesis--recent progress and future opportunities. *International Journal of Oral Science*, **2010**, 2, 117-26	27.9	33
219	Tensin 2 modulates cell contractility in 3D collagen gels through the RhoGAP DLC1. *Journal of Cellular Biochemistry*, **2010**, 109, 808-17	4.7	35
218	Systems analysis of salivary gland development and disease. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2010**, 2, 670-82	6.6	31
217	Cleft formation and branching morphogenesis of salivary gland: exploration of new functional genes **2010**, 13-19		
216	beta1 integrin cytoplasmic domain residues selectively modulate fibronectin matrix assembly and cell spreading through talin and Akt-1. *Journal of Biological Chemistry*, **2009**, 284, 8148-59	5.4	29
215	Random versus directionally persistent cell migration. *Nature Reviews Molecular Cell Biology*, **2009**, 10, 538-49	48.7	692

214	One-dimensional topography underlies three-dimensional fibrillar cell migration. *Journal of Cell Biology*, **2009**, 184, 481-90	7.3	566
213	Direct visualization of protease activity on cells migrating in three-dimensions. *Matrix Biology*, **2009**, 28, 3-10	11.4	70
212	ECM degradation assays for analyzing local cell invasion. *Methods in Molecular Biology*, **2009**, 522, 211-9	1.4	91
211	Extracellular Matrix. *Current Protocols in Cell Biology*, **2009**, 45, 10.0.1	2.3	4
210	Functional Live-Cell Imaging Demonstrates that β1-Integrin Promotes Type IV Collagen Degradation by Breast and Prostate Cancer Cells. *Molecular Imaging*, **2008**, 7, 7290.2008.00019	3.7	25
209	Functional live-cell imaging demonstrates that beta1-integrin promotes type IV collagen degradation by breast and prostate cancer cells. *Molecular Imaging*, **2008**, 7, 199-213	3.7	22
208	Self-organization and branching morphogenesis of primary salivary epithelial cells. *Tissue Engineering*, **2007**, 13, 721-35		109
207	Cell-matrix adhesion. *Journal of Cellular Physiology*, **2007**, 213, 565-73	7	693
206	Myosin IIA regulates cell motility and actomyosin-microtubule crosstalk. *Nature Cell Biology*, **2007**, 9, 299-309	23.4	398
205	Three-dimensional microenvironments modulate fibroblast signaling responses. *Advanced Drug Delivery Reviews*, **2007**, 59, 1293-8	18.5	100
204	Of mice and men: Relevance of cellular and molecular characterizations of myosin IIA to MYH9-related human disease. *Cell Adhesion and Migration*, **2007**, 1, 152-5	3.2	19
203	Oncogenic inhibition by a deleted in liver cancer gene requires cooperation between tensin binding and Rho-specific GTPase-activating protein activities. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 9012-7	11.5	142
202	Polymerizing actin fibers position integrins primed to probe for adhesion sites. *Science*, **2007**, 315, 992-5	33.3	224
201	Antibodies against a multiple-peptide conjugate comprising chemically modified human immunodeficiency virus type-1 functional Tat peptides inhibit infection. *Peptides*, **2007**, 28, 496-504	3.8	7
200	Src-dependent phosphorylation of ASAP1 regulates podosomes. *Molecular and Cellular Biology*, **2007**, 27, 8271-83	4.8	84
199	Modeling tissue morphogenesis and cancer in 3D. *Cell*, **2007**, 130, 601-10	56.2	1363
198	The matrix reorganized: extracellular matrix remodeling and integrin signaling. *Current Opinion in Cell Biology*, **2006**, 18, 463-71	9	390
197	Inhibition of rho GTPases by RNA interference. *Methods in Enzymology*, **2006**, 406, 345-61	1.7	4

196	Dynamic interactions of cortactin and membrane type 1 matrix metalloproteinase at invadopodia: defining the stages of invadopodia formation and function. *Cancer Research*, **2006**, 66, 3034-43	10.1	458
195	Cell and fibronectin dynamics during branching morphogenesis. *Journal of Cell Science*, **2006**, 119, 3376-84	5.5	168
194	Co-localization of cortactin and phosphotyrosine identifies active invadopodia in human breast cancer cells. *Experimental Cell Research*, **2006**, 312, 1240-53	4.2	144
193	Salivary Gland Branching Morphogenesis : Exploration of Molecular Mechanisms Using Laser Microdissection and T7-SAGE. *Journal of Oral Biosciences*, **2006**, 48, 1-6	2.5	
192	Matrix control of stem cell fate. *Cell*, **2006**, 126, 645-7	56.2	224
191	Selective side-chain modification of cysteine and arginine residues blocks pathogenic activity of HIV-1-Tat functional peptides. *Peptides*, **2006**, 27, 611-21	3.8	3
190	Salivary Gland Branching Morphogenesis: Exploration of Molecular Mechanisms Using Laser Microdissection and T7-SAGE. *Journal of Oral Biosciences*, **2006**, 48, 1-6	2.5	
189	A Rac switch regulates random versus directionally persistent cell migration. *Journal of Cell Biology*, **2005**, 170, 793-802	7.3	368
188	Dickkopf-1 (DKK1) reveals that fibronectin is a major target of Wnt signaling in branching morphogenesis of the mouse embryonic lung. *Developmental Biology*, **2005**, 277, 316-31	3.1	178
187	Cell migration in 3D matrix. *Current Opinion in Cell Biology*, **2005**, 17, 524-32	9	392
186	JSAP1/JIP3 cooperates with focal adhesion kinase to regulate c-Jun N-terminal kinase and cell migration. *Journal of Biological Chemistry*, **2005**, 280, 37772-81	5.4	57
185	Dual function of focal adhesion kinase in regulating integrin-induced MMP-2 and MMP-9 release by human T lymphoid cells. *FASEB Journal*, **2005**, 19, 1875-7	0.9	46
184	A specific alpha5beta1-integrin conformation promotes directional integrin translocation and fibronectin matrix formation. *Journal of Cell Science*, **2005**, 118, 291-300	5.3	97
183	The Krüppel-like factor epiprofin is expressed by epithelium of developing teeth, hair follicles, and limb buds and promotes cell proliferation. *Journal of Biological Chemistry*, **2004**, 279, 626-34	5.4	67
182	Mechanisms for macrophage-mediated HIV-1 induction. *Journal of Immunology*, **2004**, 173, 6735-44	5.3	40
181	Defects in cell adhesion and the visceral endoderm following ablation of nonmuscle myosin heavy chain II-A in mice. *Journal of Biological Chemistry*, **2004**, 279, 41263-6	5.4	265
180	High-throughput investigation of osteoblast response to polymer crystallinity: influence of nanometer-scale roughness on proliferation. *Biomaterials*, **2004**, 25, 1215-24	15.6	264
179	Molecular Analysis of Salivary Gland Branching Morphogenesis. *Oral Science International*, **2004**, 1, 16-21	0.5	1

178	Glycogen synthase kinase-3 regulates cytoskeleton and translocation of Rac1 in long cellular extensions of human keratinocytes. *Experimental Cell Research*, **2004**, 293, 68-80	4.2	32
177	Non-radioactive quantification of fibronectin matrix assembly. *Current Protocols in Cell Biology*, **2004**, Chapter 10, Unit 10.13	2.3	5
176	uPARAP/Endo180 is essential for cellular uptake of collagen and promotes fibroblast collagen adhesion. *Journal of Cell Biology*, **2003**, 160, 1009-15	7.3	139
175	Tyrosine phosphorylation of the CrkII adaptor protein modulates cell migration. *Journal of Cell Science*, **2003**, 116, 3145-55	5.3	51
174	Specific beta1 integrin site selectively regulates Akt/protein kinase B signaling via local activation of protein phosphatase 2A. *Journal of Biological Chemistry*, **2003**, 278, 18671-81	5.4	77
173	Cell Adhesion. *Current Protocols in Cell Biology*, **2003**, 18, 9.0.1	2.3	1
172	Chemokine stimulation of human peripheral blood T lymphocytes induces rapid dephosphorylation of ERM proteins, which facilitates loss of microvilli and polarization. *Blood*, **2003**, 102, 3890-9	2.2	123
171	Fibronectin requirement in branching morphogenesis. *Nature*, **2003**, 423, 876-81	50.4	429
170	Phosphatases in cell-matrix adhesion and migration. *Nature Reviews Molecular Cell Biology*, **2003**, 4, 700-13	48.7	99
169	Differentiation of human bone marrow-derived cells into buccal epithelial cells in vivo: a molecular analytical study. *Lancet, The*, **2003**, 361, 1084-8	40	148
168	Role of PI 3-kinase and PIP3 in submandibular gland branching morphogenesis. *Developmental Biology*, **2003**, 255, 178-91	3.1	83
167	Cell-matrix adhesions on poly(vinyl alcohol) hydrogels. *Tissue Engineering*, **2003**, 9, 525-33		44
166	Targeting membrane-localized focal adhesion kinase to focal adhesions: roles of tyrosine phosphorylation and SRC family kinases. *Journal of Biological Chemistry*, **2003**, 278, 29115-20	5.4	70
165	The Focal Adhesion: A Network of Molecular Interactions **2003**, 317-321		
164	CrkI adapter protein modulates cell migration and invasion in glioblastoma. *Cancer Research*, **2003**, 63, 2335-7	10.1	53
163	Direct transmembrane clustering and cytoplasmic dimerization of focal adhesion kinase initiates its tyrosine phosphorylation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2002**, 1592, 141-52	4.9	33
162	Cell interactions with three-dimensional matrices. *Current Opinion in Cell Biology*, **2002**, 14, 633-9	9	756
161	Cell-to-cell contact and extracellular matrix. *Current Opinion in Cell Biology*, **2002**, 14, 527-530	9	5

160	Cell-cell adhesion and RhoA-mediated actin polymerization are independent phenomena in microtubule disrupted keratinocytes. *Journal of Investigative Dermatology*, **2002**, 119, 440-8	4.3	11
159	A scaffold protein in the c-Jun N-terminal kinase signaling pathway is associated with focal adhesion kinase and tyrosine-phosphorylated. *Oncogene*, **2002**, 21, 6488-97	9.2	27
158	Involvement of integrin alphavbeta3 in the pathogenesis of human immunodeficiency virus type 1 infection in monocytes. *Virology*, **2002**, 297, 31-8	3.6	19
157	Absence of tight junction formation in an allogeneic graft cell line used for developing an engineered artificial salivary gland. *Tissue Engineering*, **2002**, 8, 871-8		46
156	Laminin-10/11 and fibronectin differentially prevent apoptosis induced by serum removal via phosphatidylinositol 3-kinase/Akt- and MEK1/ERK-dependent pathways. *Journal of Biological Chemistry*, **2002**, 277, 19922-8	5.4	91
155	Fibronectin at a glance. *Journal of Cell Science*, **2002**, 115, 3861-3	5.3	1406
154	Microanalysis of gene expression in tissues using T7-SAGE: serial analysis of gene expression after high-fidelity T7-based RNA amplification. *Current Protocols in Cell Biology*, **2002**, Chapter 19, Unit 19.3	2.3	7
153	Synergistic activity of fibronectin and fibroblast growth factor receptors on neuronal adhesion and neurite extension through extracellular signal-regulated kinase pathway. *Biochemical and Biophysical Research Communications*, **2002**, 295, 898-902	3.4	24
152	Tissue compatibility of two biodegradable tubular scaffolds implanted adjacent to skin or buccal mucosa in mice. *Tissue Engineering*, **2002**, 8, 649-59		36
151	The relationship between force and focal complex development. *Journal of Cell Biology*, **2002**, 159, 695-705	7.9	737
150	Integrin clustering induces kinectin accumulation. *Journal of Cell Science*, **2002**, 115, 2031-2040	5.3	48
149	Integrin clustering induces kinectin accumulation. *Journal of Cell Science*, **2002**, 115, 2031-40	5.3	43
148	Fibronectin, integrins, and growth control. *Journal of Cellular Physiology*, **2001**, 189, 1-13	7	364
147	Adhesion of epithelial cells to fibronectin or collagen I induces alterations in gene expression via a protein kinase C-dependent mechanism. *Journal of Cellular Physiology*, **2001**, 189, 79-90	7	14
146	Transmembrane crosstalk between the extracellular matrix--cytoskeleton crosstalk. *Nature Reviews Molecular Cell Biology*, **2001**, 2, 793-805	48.7	1812
145	Cutting edge: integration of human T lymphocyte cytoskeleton by the cytolinker plectin. *Journal of Immunology*, **2001**, 167, 641-5	5.3	37
144	Using HSV-thymidine kinase for safety in an allogeneic salivary graft cell line. *Tissue Engineering*, **2001**, 7, 405-13		13
143	Taking cell-matrix adhesions to the third dimension. *Science*, **2001**, 294, 1708-12	33.3	2418

142	Tumor suppressor PTEN: modulator of cell signaling, growth, migration and apoptosis. *Journal of Cell Science*, **2001**, 114, 2375-2382	5.3	320
141	Dynamics and segregation of cell-matrix adhesions in cultured fibroblasts. *Nature Cell Biology*, **2000**, 2, 191-6	23.4	599
140	Physical state of the extracellular matrix regulates the structure and molecular composition of cell-matrix adhesions. *Molecular Biology of the Cell*, **2000**, 11, 1047-60	3.5	357
139	The growth and morphological behavior of salivary epithelial cells on matrix protein-coated biodegradable substrata. *Tissue Engineering*, **2000**, 6, 209-16		91
138	Integrin dynamics and matrix assembly: tensin-dependent translocation of alpha(5)beta(1) integrins promotes early fibronectin fibrillogenesis. *Journal of Cell Biology*, **2000**, 148, 1075-90	7.3	386
137	Dual stimulation of Ras/mitogen-activated protein kinase and RhoA by cell adhesion to fibronectin supports growth factor-stimulated cell cycle progression. *Journal of Cell Biology*, **2000**, 151, 1413-22	7.3	99
136	Tensin can induce JNK and p38 activation. *Biochemical and Biophysical Research Communications*, **2000**, 272, 717-20	3.4	19
135	Immunization with a novel HIV-1-Tat multiple-peptide conjugate induces effective immune response in mice. *Peptides*, **2000**, 21, 1839-47	3.8	11
134	Fibronectin peptides in cell migration and wound repair. *Journal of Clinical Investigation*, **2000**, 105, 1507-9	13.9	49
133	Activation of DNA synthesis and AP-1 by profilin, an actin-binding protein, via binding to a cell surface receptor in cultured rat mesangial cells. *Journal of the American Society of Nephrology: JASN*, **2000**, 11, 1620-1630	12.7	18
132	Vinexin: a novel vinculin-binding protein with multiple SH3 domains enhances actin cytoskeletal organization. *Journal of Cell Biology*, **1999**, 144, 59-69	7.3	160
131	Divergent signaling pathways link focal adhesion kinase to mitogen-activated protein kinase cascades. Evidence for a role of paxillin in c-Jun NH(2)-terminal kinase activation. *Journal of Biological Chemistry*, **1999**, 274, 30738-46	5.4	68
130	Vinexin forms a signaling complex with Sos and modulates epidermal growth factor-induced c-Jun N-terminal kinase/stress-activated protein kinase activities. *Journal of Biological Chemistry*, **1999**, 274, 35933-7	5.4	38
129	Shc and FAK differentially regulate cell motility and directionality modulated by PTEN. *Journal of Cell Biology*, **1999**, 146, 389-403	7.3	361
128	Mutation of Pten/Mmac1 in mice causes neoplasia in multiple organ systems. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 1563-8	11.5	837
127	PTEN interactions with focal adhesion kinase and suppression of the extracellular matrix-dependent phosphatidylinositol 3-kinase/Akt cell survival pathway. *Journal of Biological Chemistry*, **1999**, 274, 20693-703	5.4	286
126	Extracellular matrix protein-induced changes in human salivary epithelial cell organization and proliferation on a model biological substratum. *Biomaterials*, **1999**, 20, 1043-9	15.6	36
125	Re-engineering the functions of a terminally differentiated epithelial cell in vivo. *Annals of the New York Academy of Sciences*, **1999**, 875, 294-300	6.5	47

124	De novo expression of pp125FAK in human macrophages regulates CSK distribution and MAP kinase activation but does not affect focal contact structure. *Journal of Cellular Physiology*, **1999**, 178, 164-72	7	6
123	Effector domain mutants of Rho dissociate cytoskeletal changes from nuclear signaling and cellular transformation. *Oncogene*, **1998**, 17, 991-8	9.2	55
122	Integrins and matrix molecules in salivary gland cell adhesion, signaling, and gene expression. *Annals of the New York Academy of Sciences*, **1998**, 842, 42-8	6.5	26
121	Fibronectin and integrins in cell adhesion, signaling, and morphogenesis. *Annals of the New York Academy of Sciences*, **1998**, 857, 119-29	6.5	199
120	Slug mRNA is expressed by specific mesodermal derivatives during rodent organogenesis. *Developmental Dynamics*, **1998**, 213, 182-7	2.9	33
119	Adhesion to fibronectin or collagen I gel induces rapid, extensive, biosynthetic alterations in epithelial cells. *Journal of Cellular Physiology*, **1998**, 175, 163-73	7	17
118	Integrin signaling: cytoskeletal complexes, MAP kinase activation, and regulation of gene expression. *Cell Adhesion and Communication*, **1998**, 6, 217-24		60
117	Modulation of cell-cell adherens junctions by surface clustering of the N-cadherin cytoplasmic tail. *Experimental Cell Research*, **1998**, 243, 415-24	4.2	34
116	Solution structure and dynamics of linked cell attachment modules of mouse fibronectin containing the RGD and synergy regions: comparison with the human fibronectin crystal structure. *Journal of Molecular Biology*, **1998**, 277, 663-82	6.5	135
115	Inhibition of cell migration, spreading, and focal adhesions by tumor suppressor PTEN. *Science*, **1998**, 280, 1614-7	33.3	1017
114	Tumor suppressor PTEN inhibits integrin- and growth factor-mediated mitogen-activated protein (MAP) kinase signaling pathways. *Journal of Cell Biology*, **1998**, 143, 1375-83	7.3	291
113	The zinc-finger protein slug causes desmosome dissociation, an initial and necessary step for growth factor-induced epithelial-mesenchymal transition. *Journal of Cell Biology*, **1997**, 137, 1403-19	7.3	422
112	Defining the topology of integrin alpha5beta1-fibronectin interactions using inhibitory anti-alpha5 and anti-beta1 monoclonal antibodies. Evidence that the synergy sequence of fibronectin is recognized by the amino-terminal repeats of the alpha5 subunit. *Journal of Biological Chemistry*, **1997**, 272, 17283-92	5.4	140
111	Integrin signaling. *Matrix Biology*, **1997**, 16, 137-41	11.4	87
110	Molecular interactions in cell adhesion complexes. *Current Opinion in Cell Biology*, **1997**, 9, 76-85	9	496
109	Integrins in morphogenesis and signaling. *Biochimie*, **1997**, 79, 467-76	4.6	41
108	Induction of T cell adhesion to extracellular matrix or endothelial cell ligands by soluble or matrix-bound interleukin-7. *European Journal of Immunology*, **1997**, 27, 2562-70	6.1	59
107	Modulation of MMP-2 (gelatinase A) and MMP-9 (gelatinase B) by interferon-gamma in a human salivary gland cell line. *Journal of Cellular Physiology*, **1997**, 171, 117-24	7	57

106	Full-length sequence, localization, and chromosomal mapping of ameloblastin. A novel tooth-specific gene. *Journal of Biological Chemistry*, **1996**, 271, 4431-5	5.4	245
105	Integrin-dependent signal transduction. *Journal of Cellular Biochemistry*, **1996**, 61, 543-53	4.7	114
104	Integrin alpha v beta 5-dependent serine phosphorylation of paxillin in cultured human macrophages adherent to vitronectin. *Journal of Biological Chemistry*, **1996**, 271, 11016-22	5.4	94
103	Integrins can collaborate with growth factors for phosphorylation of receptor tyrosine kinases and MAP kinase activation: roles of integrin aggregation and occupancy of receptors. *Journal of Cell Biology*, **1996**, 135, 1633-42	7.3	679
102	Fibronectin and cell adhesion: specificity of integrin-ligand interaction. *Advances in Enzymology and Related Areas of Molecular Biology*, **1995**, 70, 1-21		12
101	Fibronectin and integrins in invasion and metastasis. *Cancer and Metastasis Reviews*, **1995**, 14, 173-89	9.6	251
100	Function and receptor specificity of a minimal 20 kilodalton cell adhesive fragment of fibronectin. *Cell Adhesion and Communication*, **1995**, 3, 13-25		54
99	Alternatively spliced juxtamembrane domain of a tyrosine kinase receptor is a multifunctional regulatory site. Deletion alters cellular tyrosine phosphorylation pattern and facilitates binding of phosphatidylinositol-3-OH kinase to the hepatocyte growth factor receptor. *Journal of Biological Chemistry*, **1995**, 270, 307-10	5.4	49
98	Requirement for the synergy site for cell adhesion to fibronectin depends on the activation state of integrin alpha 5 beta 1. *Journal of Biological Chemistry*, **1995**, 270, 21612-8	5.4	133
97	Integrin function: molecular hierarchies of cytoskeletal and signaling molecules. *Journal of Cell Biology*, **1995**, 131, 791-805	7.3	1060
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