

Kenneth M Yamada

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285
papers

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201
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388
ext. papers

44,752
ext. citations

11.2
avg, IF

7.57
L-index

#	Paper	IF	Citations
285	Taking cell-matrix adhesions to the third dimension. <i>Science</i> , 2001 , 294, 1708-12	33.3	2418
284	Transmembrane crosstalk between the extracellular matrix--cytoskeleton crosstalk. <i>Nature Reviews Molecular Cell Biology</i> , 2001 , 2, 793-805	48.7	1812
283	Fibronectin at a glance. <i>Journal of Cell Science</i> , 2002 , 115, 3861-3	5.3	1406
282	Modeling tissue morphogenesis and cancer in 3D. <i>Cell</i> , 2007 , 130, 601-10	56.2	1363
281	Fibronectins--adhesive glycoproteins of cell surface and blood. <i>Nature</i> , 1978 , 275, 179-84	50.4	1243
280	Integrin function: molecular hierarchies of cytoskeletal and signaling molecules. <i>Journal of Cell Biology</i> , 1995 , 131, 791-805	7.3	1060
279	Inhibition of cell migration, spreading, and focal adhesions by tumor suppressor PTEN. <i>Science</i> , 1998 , 280, 1614-7	33.3	1017
278	Mutation of Pten/Mmac1 in mice causes neoplasia in multiple organ systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 1563-8	11.5	837
277	Cell interactions with three-dimensional matrices. <i>Current Opinion in Cell Biology</i> , 2002 , 14, 633-9	9	756
276	The relationship between force and focal complex development. <i>Journal of Cell Biology</i> , 2002 , 159, 695-705	7.3	737
275	Cell-matrix adhesion. <i>Journal of Cellular Physiology</i> , 2007 , 213, 565-73	7	693
274	Random versus directionally persistent cell migration. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 538-49	48.7	692
273	Ultrastructure and function of growth cones and axons of cultured nerve cells. <i>Journal of Cell Biology</i> , 1971 , 49, 614-35	7.3	691
272	Integrins can collaborate with growth factors for phosphorylation of receptor tyrosine kinases and MAP kinase activation: roles of integrin aggregation and occupancy of receptors. <i>Journal of Cell Biology</i> , 1996 , 135, 1633-42	7.3	679
271	Dynamics and segregation of cell-matrix adhesions in cultured fibroblasts. <i>Nature Cell Biology</i> , 2000 , 2, 191-6	23.4	599
270	Integrin transmembrane signaling and cytoskeletal control. <i>Current Opinion in Cell Biology</i> , 1995 , 7, 681-9	5.3	574
269	One-dimensional topography underlies three-dimensional fibrillar cell migration. <i>Journal of Cell Biology</i> , 2009 , 184, 481-90	7.3	566

268	Molecular interactions in cell adhesion complexes. <i>Current Opinion in Cell Biology</i> , 1997 , 9, 76-85	9	496
267	Dynamic interactions of cortactin and membrane type 1 matrix metalloproteinase at invadopodia: defining the stages of invadopodia formation and function. <i>Cancer Research</i> , 2006 , 66, 3034-43	10.1	458
266	Fibronectin requirement in branching morphogenesis. <i>Nature</i> , 2003 , 423, 876-81	50.4	429
265	The zinc-finger protein slug causes desmosome dissociation, an initial and necessary step for growth factor-induced epithelial-mesenchymal transition. <i>Journal of Cell Biology</i> , 1997 , 137, 1403-19	7.3	422
264	Identification of an alternatively spliced site in human plasma fibronectin that mediates cell type-specific adhesion. <i>Journal of Cell Biology</i> , 1986 , 103, 2637-47	7.3	406
263	Biologically active synthetic peptides as probes of embryonic development: a competitive peptide inhibitor of fibronectin function inhibits gastrulation in amphibian embryos and neural crest cell migration in avian embryos. <i>Journal of Cell Biology</i> , 1984 , 99, 1822-30	7.3	406
262	Myosin IIA regulates cell motility and actomyosin-microtubule crosstalk. <i>Nature Cell Biology</i> , 2007 , 9, 299-309	23.4	398
261	Cell migration in 3D matrix. <i>Current Opinion in Cell Biology</i> , 2005 , 17, 524-32	9	392
260	The matrix reorganized: extracellular matrix remodeling and integrin signaling. <i>Current Opinion in Cell Biology</i> , 2006 , 18, 463-71	9	390
259	Integrin dynamics and matrix assembly: tensin-dependent translocation of alpha(5)beta(1) integrins promotes early fibronectin fibrillogenesis. <i>Journal of Cell Biology</i> , 2000 , 148, 1075-90	7.3	386
258	Microfilaments and cell locomotion. <i>Journal of Cell Biology</i> , 1971 , 49, 595-613	7.3	384
257	Molecular architecture and function of matrix adhesions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	368
256	A Rac switch regulates random versus directionally persistent cell migration. <i>Journal of Cell Biology</i> , 2005 , 170, 793-802	7.3	368
255	Fibronectin, integrins, and growth control. <i>Journal of Cellular Physiology</i> , 2001 , 189, 1-13	7	364
254	Shc and FAK differentially regulate cell motility and directionality modulated by PTEN. <i>Journal of Cell Biology</i> , 1999 , 146, 389-403	7.3	361
253	Role of carbohydrates in protein secretion and turnover: effects of tunicamycin on the major cell surface glycoprotein of chick embryo fibroblasts. <i>Cell</i> , 1978 , 13, 461-73	56.2	358
252	Physical state of the extracellular matrix regulates the structure and molecular composition of cell-matrix adhesions. <i>Molecular Biology of the Cell</i> , 2000 , 11, 1047-60	3.5	357
251	Site-directed mutagenesis of the cell-binding domain of human fibronectin: separable, synergistic sites mediate adhesive function. <i>Cell</i> , 1988 , 53, 649-57	56.2	355

250	Tumor suppressor PTEN: modulator of cell signaling, growth, migration and apoptosis. <i>Journal of Cell Science</i> , 2001 , 114, 2375-2382	5.3	320
249	Tumor suppressor PTEN inhibits integrin- and growth factor-mediated mitogen-activated protein (MAP) kinase signaling pathways. <i>Journal of Cell Biology</i> , 1998 , 143, 1375-83	7.3	291
248	PTEN interactions with focal adhesion kinase and suppression of the extracellular matrix-dependent phosphatidylinositol 3-kinase/Akt cell survival pathway. <i>Journal of Biological Chemistry</i> , 1999 , 274, 20693-703	5.4	286
247	Development of cell surface linkage complexes in cultured fibroblasts. <i>Journal of Cell Biology</i> , 1985 , 100, 1103-14	7.3	282
246	Cell adhesion and migration in the early vertebrate embryo: location and possible role of the putative fibronectin receptor complex. <i>Journal of Cell Biology</i> , 1986 , 102, 160-78	7.3	275
245	Nonpolarized signaling reveals two distinct modes of 3D cell migration. <i>Journal of Cell Biology</i> , 2012 , 197, 439-55	7.3	273
244	Defects in cell adhesion and the visceral endoderm following ablation of nonmuscle myosin heavy chain II-A in mice. <i>Journal of Biological Chemistry</i> , 2004 , 279, 41263-6	5.4	265
243	High-throughput investigation of osteoblast response to polymer crystallinity: influence of nanometer-scale roughness on proliferation. <i>Biomaterials</i> , 2004 , 25, 1215-24	15.6	264
242	Regulation of fibronectin receptor distribution. <i>Journal of Cell Biology</i> , 1992 , 117, 437-47	7.3	264
241	Local 3D matrix microenvironment regulates cell migration through spatiotemporal dynamics of contractility-dependent adhesions. <i>Nature Communications</i> , 2015 , 6, 8720	17.4	262
240	Fibronectin and integrins in invasion and metastasis. <i>Cancer and Metastasis Reviews</i> , 1995 , 14, 173-89	9.6	251
239	Full-length sequence, localization, and chromosomal mapping of ameloblastin. A novel tooth-specific gene. <i>Journal of Biological Chemistry</i> , 1996 , 271, 4431-5	5.4	245
238	Mechanisms of 3D cell migration. <i>Nature Reviews Molecular Cell Biology</i> , 2019 , 20, 738-752	48.7	244
237	Direct comparisons of the morphology, migration, cell adhesions, and actin cytoskeleton of fibroblasts in four different three-dimensional extracellular matrices. <i>Tissue Engineering - Part A</i> , 2011 , 17, 713-24	3.9	229
236	Generation of compartmentalized pressure by a nuclear piston governs cell motility in a 3D matrix. <i>Science</i> , 2014 , 345, 1062-5	33.3	228
235	Polymerizing actin fibers position integrins primed to probe for adhesion sites. <i>Science</i> , 2007 , 315, 992-533.3	224	
234	Matrix control of stem cell fate. <i>Cell</i> , 2006 , 126, 645-7	56.2	224
233	Cell surface receptors for extracellular matrix components. <i>BBA - Biomembranes</i> , 1990 , 1031, 91-110		224

232	At the leading edge of three-dimensional cell migration. <i>Journal of Cell Science</i> , 2012 , 125, 5917-26	5.3	220
231	Single subunit chimeric integrins as mimics and inhibitors of endogenous integrin functions in receptor localization, cell spreading and migration, and matrix assembly. <i>Journal of Cell Biology</i> , 1994 , 126, 1287-98	7.3	215
230	Inhibition of binding of fibronectin to matrix assembly sites by anti-integrin (alpha 5 beta 1) antibodies. <i>Journal of Cell Biology</i> , 1990 , 111, 699-708	7.3	205
229	Mechanism of the decrease in the major cell surface protein of chick embryo fibroblasts after transformation. <i>Cell</i> , 1977 , 11, 957-69	56.2	203
228	Fibronectin and integrins in cell adhesion, signaling, and morphogenesis. <i>Annals of the New York Academy of Sciences</i> , 1998 , 857, 119-29	6.5	199
227	New dimensions in cell migration. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 743-7	48.7	183
226	Dickkopf-1 (DKK1) reveals that fibronectin is a major target of Wnt signaling in branching morphogenesis of the mouse embryonic lung. <i>Developmental Biology</i> , 2005 , 277, 316-31	3.1	178
225	Cell-matrix adhesions in 3D. <i>Matrix Biology</i> , 2011 , 30, 363-8	11.4	174
224	Characterization of a major fibroblast cell surface glycoprotein. <i>Biochemistry</i> , 1977 , 16, 5552-9	3.2	171
223	Cell and fibronectin dynamics during branching morphogenesis. <i>Journal of Cell Science</i> , 2006 , 119, 3376-84	168	
222	Vinexin: a novel vinculin-binding protein with multiple SH3 domains enhances actin cytoskeletal organization. <i>Journal of Cell Biology</i> , 1999 , 144, 59-69	7.3	160
221	Mechanosensing via cell-matrix adhesions in 3D microenvironments. <i>Experimental Cell Research</i> , 2016 , 343, 60-66	4.2	158
220	Differentiation of human bone marrow-derived cells into buccal epithelial cells in vivo: a molecular analytical study. <i>Lancet, The</i> , 2003 , 361, 1084-8	4.0	148
219	Co-localization of cortactin and phosphotyrosine identifies active invadopodia in human breast cancer cells. <i>Experimental Cell Research</i> , 2006 , 312, 1240-53	4.2	144
218	Oncogenic inhibition by a deleted in liver cancer gene requires cooperation between tensin binding and Rho-specific GTPase-activating protein activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9012-7	11.5	142
217	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. <i>Journal of Biological Chemistry</i> , 1997 , 272, 17285-92	5.4	140
216	Recent advances in research on fibronectin and other cell attachment proteins. <i>Journal of Cellular Biochemistry</i> , 1985 , 28, 79-97	4.7	140
215	uPARAP/Endo180 is essential for cellular uptake of collagen and promotes fibroblast collagen adhesion. <i>Journal of Cell Biology</i> , 2003 , 160, 1009-15	7.3	139

214	Dimensions in cell migration. <i>Current Opinion in Cell Biology</i> , 2013 , 25, 642-9	9	138
213	Isolation and biological characterization of active fragments of the adhesive glycoprotein fibronectin. <i>Cell</i> , 1979 , 18, 1043-51	56.2	136
212	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. <i>Journal of Molecular Biology</i> , 1998 , 277, 663-82	6.5	135
211	ECM-modulated cellular dynamics as a driving force for tissue morphogenesis. <i>Current Opinion in Genetics and Development</i> , 2013 , 23, 408-14	4.9	133
210	Requirement for the synergy site for cell adhesion to fibronectin depends on the activation state of integrin alpha 5 beta 1. <i>Journal of Biological Chemistry</i> , 1995 , 270, 21612-8	5.4	133
209	The influence of an adhesive cell surface protein on chondrogenic expression in vitro. <i>Experimental Cell Research</i> , 1979 , 121, 411-5	4.2	126
208	Chemokine stimulation of human peripheral blood T lymphocytes induces rapid dephosphorylation of ERM proteins, which facilitates loss of microvilli and polarization. <i>Blood</i> , 2003 , 102, 3890-9	2.2	123
207	In vivo analyses of integrin beta 1 subunit function in fibronectin matrix assembly. <i>Journal of Cell Biology</i> , 1990 , 110, 1813-23	7.3	122
206	Cellular fibronectin promotes adrenergic differentiation of quail neural crest cells in vitro. <i>Experimental Cell Research</i> , 1981 , 133, 285-95	4.2	120
205	Btbd7 regulates epithelial cell dynamics and branching morphogenesis. <i>Science</i> , 2010 , 329, 562-5	33.3	118
204	Transformation-sensitive cell surface protein: isolation, characterization, and role in cellular morphology and adhesion. <i>Annals of the New York Academy of Sciences</i> , 1978 , 312, 256-77	6.5	117
203	Integrin-dependent signal transduction. <i>Journal of Cellular Biochemistry</i> , 1996 , 61, 543-53	4.7	114
202	Self-organization and branching morphogenesis of primary salivary epithelial cells. <i>Tissue Engineering</i> , 2007 , 13, 721-35		109
201	Fibronectins: structure, functions and receptors. <i>Current Opinion in Cell Biology</i> , 1989 , 1, 956-63	9	103
200	p190-B, a new member of the Rho GAP family, and Rho are induced to cluster after integrin cross-linking. <i>Journal of Biological Chemistry</i> , 1995 , 270, 30919-26	5.4	102
199	Three-dimensional microenvironments modulate fibroblast signaling responses. <i>Advanced Drug Delivery Reviews</i> , 2007 , 59, 1293-8	18.5	100
198	Phosphatases in cell-matrix adhesion and migration. <i>Nature Reviews Molecular Cell Biology</i> , 2003 , 4, 700-18.7	99	
197	Dual stimulation of Ras/mitogen-activated protein kinase and RhoA by cell adhesion to fibronectin supports growth factor-stimulated cell cycle progression. <i>Journal of Cell Biology</i> , 2000 , 151, 1413-22	7.3	99

196	A specific alpha5beta1-integrin conformation promotes directional integrin translocation and fibronectin matrix formation. <i>Journal of Cell Science</i> , 2005 , 118, 291-300	5.3	97
195	The 140-kDa fibronectin receptor complex is required for mesodermal cell adhesion during gastrulation in the amphibian <i>Pleurodeles waltlii</i> . <i>Developmental Biology</i> , 1988 , 126, 182-94	3.1	97
194	Glycolipids: receptors for fibronectin?. <i>Journal of Cellular Physiology</i> , 1981 , 109, 343-51	7	96
193	Integrin alpha v beta 5-dependent serine phosphorylation of paxillin in cultured human macrophages adherent to vitronectin. <i>Journal of Biological Chemistry</i> , 1996 , 271, 11016-22	5.4	94
192	Enhanced cellular fibronectin accumulation in chondrocytes treated with vitamin A. <i>Cell</i> , 1979 , 17, 821-656.2	5.2	94
191	Role of fibronectin in adhesion, migration, and metastasis. <i>Cancer Investigation</i> , 1989 , 7, 373-93	2.1	93
190	Peptide inhibitors of fibronectin, laminin, and other adhesion molecules: unique and shared features. <i>Journal of Cellular Physiology</i> , 1987 , 130, 21-8	7	93
189	Direct detection of antigens in sodium dodecyl sulfate-polyacrylamide gels. <i>Analytical Biochemistry</i> , 1977 , 78, 483-90	3.1	92
188	Micro-environmental control of cell migration--myosin IIA is required for efficient migration in fibrillar environments through control of cell adhesion dynamics. <i>Journal of Cell Science</i> , 2012 , 125, 2244-53	5.3	91
187	ECM degradation assays for analyzing local cell invasion. <i>Methods in Molecular Biology</i> , 2009 , 522, 211-9	1.4	91
186	Laminin-10/11 and fibronectin differentially prevent apoptosis induced by serum removal via phosphatidylinositol 3-kinase/Akt- and MEK1/ERK-dependent pathways. <i>Journal of Biological Chemistry</i> , 2002 , 277, 19922-8	5.4	91
185	The growth and morphological behavior of salivary epithelial cells on matrix protein-coated biodegradable substrata. <i>Tissue Engineering</i> , 2000 , 6, 209-16		91
184	Amino acid sequence specificities of an adhesive recognition signal. <i>Journal of Cellular Biochemistry</i> , 1985 , 28, 99-104	4.7	89
183	Integrin signaling. <i>Matrix Biology</i> , 1997 , 16, 137-41	11.4	87
182	Exogenous gangliosides enhance the interaction of fibronectin with ganglioside-deficient cells. <i>Experimental Cell Research</i> , 1983 , 143, 295-302	4.2	87
181	Mobility and distribution of a cell surface glycoprotein and its interaction with other membrane components. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1977 , 74, 2909-13	11.5	87
180	Src-dependent phosphorylation of ASAP1 regulates podosomes. <i>Molecular and Cellular Biology</i> , 2007 , 27, 8271-83	4.8	84
179	Dense fibrillar collagen is a potent inducer of invadopodia via a specific signaling network. <i>Journal of Cell Biology</i> , 2015 , 208, 331-50	7.3	83

178	Role of PI 3-kinase and PIP3 in submandibular gland branching morphogenesis. <i>Developmental Biology</i> , 2003 , 255, 178-91	3.1	83
177	Characterization of a membrane-associated glycoprotein complex implicated in cell adhesion to fibronectin. <i>Journal of Cellular Biochemistry</i> , 1985 , 28, 307-18	4.7	83
176	Multiple mechanisms of 3D migration: the origins of plasticity. <i>Current Opinion in Cell Biology</i> , 2016 , 42, 7-12	9	83
175	Peptides containing the cell-attachment recognition signal Arg-Gly-Asp prevent gastrulation in Drosophila embryos. <i>Nature</i> , 1987 , 325, 348-50	50.4	80
174	Local and global dynamics of the basement membrane during branching morphogenesis require protease activity and actomyosin contractility. <i>Developmental Biology</i> , 2014 , 394, 197-205	3.1	78
173	Specific beta1 integrin site selectively regulates Akt/protein kinase B signaling via local activation of protein phosphatase 2A. <i>Journal of Biological Chemistry</i> , 2003 , 278, 18671-81	5.4	77
172	Vitronectin exists in two structurally and functionally distinct forms in human plasma. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1989 , 990, 101-8	4	75
171	Cell surface protein decreases microvilli and ruffles on transformed mouse and chick cells. <i>Cell</i> , 1976 , 9, 241-5	56.2	75
170	Durotaxis by Human Cancer Cells. <i>Biophysical Journal</i> , 2019 , 116, 670-683	2.9	71
169	Direct visualization of protease activity on cells migrating in three-dimensions. <i>Matrix Biology</i> , 2009 , 28, 3-10	11.4	70
168	Targeting membrane-localized focal adhesion kinase to focal adhesions: roles of tyrosine phosphorylation and SRC family kinases. <i>Journal of Biological Chemistry</i> , 2003 , 278, 29115-20	5.4	70
167	Anti-integrin antibodies induce type IV collagenase expression in keratinocytes. <i>Journal of Cellular Physiology</i> , 1993 , 157, 190-200	7	70
166	Activating the nuclear piston mechanism of 3D migration in tumor cells. <i>Journal of Cell Biology</i> , 2017 , 216, 93-100	7.3	69
165	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. <i>Journal of Biological Chemistry</i> , 1999 , 274, 30738-46	5.4	68
164	The Krüppel-like factor epiprofin is expressed by epithelium of developing teeth, hair follicles, and limb buds and promotes cell proliferation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 626-34	5.4	67
163	The structure of fibronectin and its role in cellular adhesion. <i>Journal of Supramolecular Structure and Cellular Biochemistry</i> , 1981 , 16, 345-8		67
162	Isolation and immunological characterization of a glucose-regulated fibroblast cell surface glycoprotein and its nonglycosylated precursor. <i>Cell</i> , 1978 , 13, 139-40	56.2	66
161	Dynamic cell-matrix interactions modulate microbial biofilm and tissue 3D microenvironments. <i>Current Opinion in Cell Biology</i> , 2016 , 42, 102-112	9	65

160	The extracellular matrix in development. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	64
159	Basement Membranes in Development and Disease. <i>Current Topics in Developmental Biology</i> , 2018 , 130, 143-191	5.3	64
158	The synthesis, turnover, and artificial restoration of a major cell surface glycoprotein. <i>Cell</i> , 1975 , 5, 75-81	56.2	64
157	Dynamics of salivary gland morphogenesis. <i>Journal of Dental Research</i> , 2011 , 90, 1070-7	8.1	62
156	An extracellular-matrix-specific GEF-GAP interaction regulates Rho GTPase crosstalk for 3D collagen migration. <i>Nature Cell Biology</i> , 2014 , 16, 909-17	23.4	61
155	Integrin signaling: cytoskeletal complexes, MAP kinase activation, and regulation of gene expression. <i>Cell Adhesion and Communication</i> , 1998 , 6, 217-24		60
154	Induction of T cell adhesion to extracellular matrix or endothelial cell ligands by soluble or matrix-bound interleukin-7. <i>European Journal of Immunology</i> , 1997 , 27, 2562-70	6.1	59
153	Occurrence of fibronectin on the primary mesenchyme cell surface during migration in the sea urchin embryo. <i>Differentiation</i> , 1982 , 22, 120-4	3.5	59
152	Fibroblasts Lead the Way: A Unified View of 3D Cell Motility. <i>Trends in Cell Biology</i> , 2015 , 25, 666-674	18.3	58
151	Synthetic peptides that mimic the adhesive recognition signal of fibronectin: differential effects on cell-cell and cell-substratum adhesion in embryonic chick cells. <i>Developmental Biology</i> , 1987 , 123, 411-20 ^{3.1}		58
150	Patterned cell and matrix dynamics in branching morphogenesis. <i>Journal of Cell Biology</i> , 2017 , 216, 559-570		57
149	Modulation of MMP-2 (gelatinase A) and MMP-9 (gelatinase B) by interferon-gamma in a human salivary gland cell line. <i>Journal of Cellular Physiology</i> , 1997 , 171, 117-24	7	57
148	JSAP1/JIP3 cooperates with focal adhesion kinase to regulate c-Jun N-terminal kinase and cell migration. <i>Journal of Biological Chemistry</i> , 2005 , 280, 37772-81	5.4	57
147	Tunicamycin-induced alterations in the synthesis of sulfated proteoglycans and cell surface morphology in the chick embryo fibroblast. <i>Experimental Cell Research</i> , 1979 , 118, 245-52	4.2	57
146	Effector domain mutants of Rho dissociate cytoskeletal changes from nuclear signaling and cellular transformation. <i>Oncogene</i> , 1998 , 17, 991-8	9.2	55
145	Altered processing of integrin receptors during keratinocyte activation. <i>Experimental Cell Research</i> , 1991 , 195, 315-22	4.2	55
144	Extracellular matrix protein anosmin promotes neural crest formation and regulates FGF, BMP, and WNT activities. <i>Developmental Cell</i> , 2012 , 23, 305-16	10.2	54
143	Function and receptor specificity of a minimal 20 kilodalton cell adhesive fragment of fibronectin. <i>Cell Adhesion and Communication</i> , 1995 , 3, 13-25		54

142	CrkI adapter protein modulates cell migration and invasion in glioblastoma. <i>Cancer Research</i> , 2003 , 63, 2335-7	10.1	53
141	Characterization of a novel transformation-sensitive heat-shock protein (HSP47) that binds to collagen. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 153, 428-34	3.4	52
140	Dynamic membrane remodeling at invadopodia differentiates invadopodia from podosomes. <i>European Journal of Cell Biology</i> , 2011 , 90, 172-80	6.1	51
139	Tyrosine phosphorylation of the CrkII adaptor protein modulates cell migration. <i>Journal of Cell Science</i> , 2003 , 116, 3145-55	5.3	51
138	Fibronectin and Other Cell Interactive Glycoproteins 1991 , 111-146		51
137	Fluorescent gangliosides as probes for the retention and organization of fibronectin by ganglioside-deficient mouse cells. <i>Journal of Cell Biology</i> , 1985 , 100, 721-6	7.3	50
136	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. <i>Journal of Biological Chemistry</i> , 1995 , 270, 507-10	5.4	49
135	Fibronectin peptides in cell migration and wound repair. <i>Journal of Clinical Investigation</i> , 2000 , 105, 1507-19.9	19.9	49
134	Regulation of cell adhesion and migration by cell-derived matrices. <i>Experimental Cell Research</i> , 2013 , 319, 2434-9	4.2	48
133	Integrin clustering induces kinectin accumulation. <i>Journal of Cell Science</i> , 2002 , 115, 2031-2040	5.3	48
132	Fibronectin. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 1987 , 59, 1-57		47
131	Re-engineering the functions of a terminally differentiated epithelial cell in vivo. <i>Annals of the New York Academy of Sciences</i> , 1999 , 875, 294-300	6.5	47
130	MYPT1 regulates contractility and microtubule acetylation to modulate integrin adhesions and matrix assembly. <i>Nature Communications</i> , 2014 , 5, 3510	17.4	46
129	Dual function of focal adhesion kinase in regulating integrin-induced MMP-2 and MMP-9 release by human T lymphoid cells. <i>FASEB Journal</i> , 2005 , 19, 1875-7	0.9	46
128	Absence of tight junction formation in an allogeneic graft cell line used for developing an engineered artificial salivary gland. <i>Tissue Engineering</i> , 2002 , 8, 871-8		46
127	Cell-matrix adhesions on poly(vinyl alcohol) hydrogels. <i>Tissue Engineering</i> , 2003 , 9, 525-33		44
126	Cytocalasin B: effects on membrane ruffling, growth cone and microspike activity, and microfilament structure not due to altered glucose transport. <i>Developmental Biology</i> , 1973 , 31, 413-20	3.1	44
125	Integrin clustering induces kinectin accumulation. <i>Journal of Cell Science</i> , 2002 , 115, 2031-40	5.3	43

124	Integrins in morphogenesis and signaling. <i>Biochimie</i> , 1997 , 79, 467-76	4.6	41
123	Fibronectin and Other Structural Proteins 1981 , 95-114		41
122	Mechanisms for macrophage-mediated HIV-1 induction. <i>Journal of Immunology</i> , 2004 , 173, 6735-44	5.3	40
121	The adhesive glycoprotein laminin is an agglutinin. <i>Journal of Cellular Physiology</i> , 1983 , 114, 257-62	7	40
120	The distribution of fibronectin in attachment sites of chick fibroblasts. <i>Experimental Cell Research</i> , 1980 , 130, 477-81	4.2	39
119	Vinexin forms a signaling complex with Sos and modulates epidermal growth factor-induced c-Jun N-terminal kinase/stress-activated protein kinase activities. <i>Journal of Biological Chemistry</i> , 1999 , 274, 35933-7	5.4	38
118	Cell surface protein and neoplastic transformation. <i>Trends in Biochemical Sciences</i> , 1976 , 1, 222-224	10.3	38
117	Cutting edge: integration of human T lymphocyte cytoskeleton by the cytolinker plectin. <i>Journal of Immunology</i> , 2001 , 167, 641-5	5.3	37
116	Integrin β_1 effectors p130Cas, Src and talin regulate carcinoma invasion and chemoresistance. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 406, 171-6	3.4	36
115	Tissue compatibility of two biodegradable tubular scaffolds implanted adjacent to skin or buccal mucosa in mice. <i>Tissue Engineering</i> , 2002 , 8, 649-59		36
114	Extracellular matrix protein-induced changes in human salivary epithelial cell organization and proliferation on a model biological substratum. <i>Biomaterials</i> , 1999 , 20, 1043-9	15.6	36
113	Immunological characterization of human vitronectin and its binding to glycosaminoglycans. <i>Journal of Biochemistry</i> , 1986 , 100, 1343-51	3.1	36
112	Evidence for involvement of more than one class of glycoprotein in cell interactions with fibronectin. <i>Journal of Cellular Physiology</i> , 1986 , 126, 323-32	7	36
111	Tensin 2 modulates cell contractility in 3D collagen gels through the RhoGAP DLC1. <i>Journal of Cellular Biochemistry</i> , 2010 , 109, 808-17	4.7	35
110	Modulation of cell-cell adherens junctions by surface clustering of the N-cadherin cytoplasmic tail. <i>Experimental Cell Research</i> , 1998 , 243, 415-24	4.2	34
109	Increased expression of alpha 4 beta 1 and alpha 5 beta 1 integrins on HTLV-I-infected lymphocytes. <i>Virology</i> , 1993 , 197, 778-81	3.6	34
108	Region-specific epithelial cell dynamics during branching morphogenesis. <i>Developmental Dynamics</i> , 2013 , 242, 1066-77	2.9	33
107	Salivary gland branching morphogenesis--recent progress and future opportunities. <i>International Journal of Oral Science</i> , 2010 , 2, 117-26	27.9	33

106	Slug mRNA is expressed by specific mesodermal derivatives during rodent organogenesis. <i>Developmental Dynamics</i> , 1998 , 213, 182-7	2.9	33
105	Direct transmembrane clustering and cytoplasmic dimerization of focal adhesion kinase initiates its tyrosine phosphorylation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002 , 1592, 141-52	4.9	33
104	Glycogen synthase kinase-3 regulates cytoskeleton and translocation of Rac1 in long cellular extensions of human keratinocytes. <i>Experimental Cell Research</i> , 2004 , 293, 68-80	4.2	32
103	Distinct regions of human fibronectin are essential for fibril assembly in an in vivo developing system. <i>Developmental Dynamics</i> , 1992 , 194, 63-70	2.9	32
102	Systems analysis of salivary gland development and disease. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010 , 2, 670-82	6.6	31
101	Cell surface glycoproteins and malignant transformation. <i>Biochimie</i> , 1978 , 60, 1221-33	4.6	31
100	Fibronectin Domains and Receptors 1989 , 47-121		31
99	Expression of the cell-binding domain of human fibronectin in E. coli. Identification of sequences promoting full to minimal adhesive function. <i>FEBS Letters</i> , 1987 , 213, 261-4	3.8	30
98	Basement Membrane Regulates Fibronectin Organization Using Sliding Focal Adhesions Driven by a Contractile Winch. <i>Developmental Cell</i> , 2020 , 52, 631-646.e4	10.2	30
97	Extracellular matrix dynamics in cell migration, invasion and tissue morphogenesis. <i>International Journal of Experimental Pathology</i> , 2019 , 100, 144-152	2.8	29
96	beta1 integrin cytoplasmic domain residues selectively modulate fibronectin matrix assembly and cell spreading through talin and Akt-1. <i>Journal of Biological Chemistry</i> , 2009 , 284, 8148-59	5.4	29
95	Differential mRNA regulation of integrin subunits alpha V, beta 1, beta 3, and beta 5 during mouse embryonic organogenesis. <i>Cell Adhesion and Communication</i> , 1995 , 3, 311-25		29
94	Selective cytotoxicity of tunicamycin for transformed cells. <i>International Journal of Cancer</i> , 1979 , 24, 60-6	7.5	29
93	A scaffold protein in the c-Jun N-terminal kinase signaling pathway is associated with focal adhesion kinase and tyrosine-phosphorylated. <i>Oncogene</i> , 2002 , 21, 6488-97	9.2	27
92	Integrins and matrix molecules in salivary gland cell adhesion, signaling, and gene expression. <i>Annals of the New York Academy of Sciences</i> , 1998 , 842, 42-8	6.5	26
91	Functional Live-Cell Imaging Demonstrates that α -Integrin Promotes Type IV Collagen Degradation by Breast and Prostate Cancer Cells. <i>Molecular Imaging</i> , 2008 , 7, 7290.2008.00019	3.7	25
90	The role of integrins during vertebrate development. <i>Seminars in Developmental Biology</i> , 1995 , 6, 69-77		25
89	Fibronectin and integrins in cell adhesion and migration. <i>Biochemical Society Transactions</i> , 1991 , 19, 830-5.1		25

88	Phagocytosis-promoting activity of avian plasma and fibroblastic cell surface fibronectins. <i>Molecular and Cellular Biochemistry</i> , 1981 , 36, 147-55	4.2	25
87	Synergistic activity of fibronectin and fibroblast growth factor receptors on neuronal adhesion and neurite extension through extracellular signal-regulated kinase pathway. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 898-902	3.4	24
86	Btbd7 is essential for region-specific epithelial cell dynamics and branching morphogenesis. <i>Development (Cambridge)</i> , 2017 , 144, 2200-2211	6.6	23
85	Salivary gland gene expression atlas identifies a new regulator of branching morphogenesis. <i>Journal of Dental Research</i> , 2011 , 90, 1078-84	8.1	23
84	Nrf2-dependent induction of innate host defense via heme oxygenase-1 inhibits Zika virus replication. <i>Virology</i> , 2017 , 503, 1-5	3.6	22
83	Functional live-cell imaging demonstrates that beta1-integrin promotes type IV collagen degradation by breast and prostate cancer cells. <i>Molecular Imaging</i> , 2008 , 7, 199-213	3.7	22
82	Fibronectin structure and function, and its interactions with glycosaminoglycans. <i>Biochemical Society Transactions</i> , 1981 , 9, 506-8	5.1	20
81	Of mice and men: Relevance of cellular and molecular characterizations of myosin IIA to MYH9-related human disease. <i>Cell Adhesion and Migration</i> , 2007 , 1, 152-5	3.2	19
80	Involvement of integrin alphavbeta3 in the pathogenesis of human immunodeficiency virus type 1 infection in monocytes. <i>Virology</i> , 2002 , 297, 31-8	3.6	19
79	Tensin can induce JNK and p38 activation. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 272, 717-20	3.4	19
78	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. <i>Journal of the American Society of Nephrology: JASN</i> , 2000 , 11, 1620-1630	12.7	18
77	3D mesenchymal cell migration is driven by anterior cellular contraction that generates an extracellular matrix prestrain. <i>Developmental Cell</i> , 2021 , 56, 826-841.e4	10.2	18
76	Adhesion to fibronectin or collagen I gel induces rapid, extensive, biosynthetic alterations in epithelial cells. <i>Journal of Cellular Physiology</i> , 1998 , 175, 163-73	7	17
75	Sodium butyrate affects expression of fibronectin on CHO cells: specific increase in antibody-complement-mediated cytotoxicity. <i>Journal of Cellular Physiology</i> , 1980 , 104, 163-70	7	17
74	Cell Surface Protein and Cell Interactions 1980 , 43-77		17
73	Rho GEFs and GAPs: emerging integrators of extracellular matrix signaling. <i>Small GTPases</i> , 2015 , 6, 16-9	2.7	16
72	Heme oxygenase-1 induction alters chemokine regulation and ameliorates human immunodeficiency virus-type-1 infection in lipopolysaccharide-stimulated macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 435, 373-7	3.4	16
71	The migratory behavior of avian embryonic cells does not require phosphorylation of the fibronectin-receptor complex. <i>FEBS Letters</i> , 1988 , 230, 181-5	3.8	16

70	Human fibronectin is synthesized as a pre-propolyptide. <i>FEBS Letters</i> , 1986 , 207, 145-8	3.8	16
69	The relationship between cell surface protein and glucose and alpha-aminoisobutyrate transport in transformed chick and mouse cells. <i>Journal of Cellular Physiology</i> , 1976 , 89, 827-9	7	16
68	Adhesion of epithelial cells to fibronectin or collagen I induces alterations in gene expression via a protein kinase C-dependent mechanism. <i>Journal of Cellular Physiology</i> , 2001 , 189, 79-90	7	14
67	Partial purification and characterization of the messenger RNA for cell fibronectin. <i>Nucleic Acids Research</i> , 1979 , 6, 3471-80	20.1	14
66	Functional Interactions of Fibronectin and TNF α : A Paradigm of Physiological Linkage Between Cytokines and Extracellular Matrix Moieties. <i>Cell Adhesion and Communication</i> , 1994 , 2, 269-273		14
65	Interaction of Pregnancy-Specific Glycoprotein 1 With Integrin $\beta 1$ Is a Modulator of Extravillous Trophoblast Functions. <i>Cells</i> , 2019 , 8,	7.9	13
64	Using HSV-thymidine kinase for safety in an allogeneic salivary graft cell line. <i>Tissue Engineering</i> , 2001 , 7, 405-13		13
63	Posterior extension of the chick nephric (Wolffian) duct: the role of fibronectin and NCAM polysialic acid. <i>Developmental Dynamics</i> , 1995 , 202, 333-42	2.9	13
62	Comparisons of evolutionarily distinct fibronectins: evidence for the origin of plasma and fibroblast cellular fibronectins from a single gene. <i>Journal of Cellular Biochemistry</i> , 1985 , 27, 97-107	4.7	13
61	Fibronectin and cell adhesion: specificity of integrin-ligand interaction. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 1995 , 70, 1-21		12
60	Integrin and phosphotyrosine expression in normal and migrating newt keratinocytes. <i>The Anatomical Record</i> , 1995 , 241, 49-58		12
59	Budding epithelial morphogenesis driven by cell-matrix versus cell-cell adhesion. <i>Cell</i> , 2021 , 184, 3702-3766e3@02		
58	Viral gene transfer to developing mouse salivary glands. <i>Journal of Dental Research</i> , 2012 , 91, 197-202	8.1	11
57	Cell-cell adhesion and RhoA-mediated actin polymerization are independent phenomena in microtubule disrupted keratinocytes. <i>Journal of Investigative Dermatology</i> , 2002 , 119, 440-8	4.3	11
56	Immunization with a novel HIV-1-Tat multiple-peptide conjugate induces effective immune response in mice. <i>Peptides</i> , 2000 , 21, 1839-47	3.8	11
55	Post-polymerization crosstalk between the actin cytoskeleton and microtubule network. <i>Bioarchitecture</i> , 2016 , 6, 53-9		11
54	The Interactions of Cells with Extracellular Matrix Components 1984 , 77-148		
53	An assessment of the efficacy of anti-integrin alpha subunit monoclonal antibody production using affinity purified beta 1-integrin dimers as immunogen. <i>Biochemical Society Transactions</i> , 1991 , 19, 361S	5.1	10

52	Characterization of factor(s) in culture supernatants affecting cell social behavior. <i>Journal of Cellular Physiology</i> , 1979 , 100, 445-56	7	10
51	Comparative surface chemical studies of cellular fibronectin and submaxillary mucin monolayers: effects of pH, ionic strength, and presence of calcium ions. <i>Journal of Colloid and Interface Science</i> , 1984 , 100, 210-215	9.3	9
50	Biochemistry of Fibronectin 1982 , 331-362		9
49	Matrix Receptors in Cell Migration 1991 , 195-253		9
48	Structure, genetic mapping, and expression of the mouse Hgf/scatter factor gene. <i>Cell Adhesion and Communication</i> , 1993 , 1, 101-11		8
47	Cell surface marker for malignancy. <i>Nature</i> , 1978 , 273, 335-6	50.4	8
46	Provisional Matrix 1988 , 51-93		8
45	Antibodies against a multiple-peptide conjugate comprising chemically modified human immunodeficiency virus type-1 functional Tat peptides inhibit infection. <i>Peptides</i> , 2007 , 28, 496-504	3.8	7
44	Microanalysis of gene expression in tissues using T7-SAGE: serial analysis of gene expression after high-fidelity T7-based RNA amplification. <i>Current Protocols in Cell Biology</i> , 2002 , Chapter 19, Unit 19.3	2.3	7
43	Therapeutic potential of the heme oxygenase-1 inducer hemin against Ebola virus infection. <i>Current Trends in Immunology</i> , 2016 , 17, 117-123	4	7
42	Characterization of stitch adhesions: Fibronectin-containing cell-cell contacts formed by fibroblasts. <i>Experimental Cell Research</i> , 2019 , 384, 111616	4.2	6
41	De novo expression of pp125FAK in human macrophages regulates CSK distribution and MAP kinase activation but does not affect focal contact structure. <i>Journal of Cellular Physiology</i> , 1999 , 178, 164-72	7	6
40	Heme oxygenase-1-mediated host cell response inhibits the susceptibility of prostate cancer cells to retroviral infection and retards their proliferation. <i>Current Trends in Immunology</i> , 2013 , 14, 53-56	4	6
39	STRUCTURE AND FUNCTION OF FIBRONECTIN 1982 , 25-34		6
38	Cloning and characterization of chicken β integrin: endogenous and experimental expression in early chicken embryos. <i>Matrix Biology</i> , 2013 , 32, 381-6	11.4	5
37	Cell-to-cell contact and extracellular matrix. <i>Current Opinion in Cell Biology</i> , 2002 , 14, 527-530	9	5
36	Non-radioactive quantification of fibronectin matrix assembly. <i>Current Protocols in Cell Biology</i> , 2004 , Chapter 10, Unit 10.13	2.3	5
35	Integrin Signaling1-25		5

34	The cell interaction sites of fibronectin in tumour metastasis. <i>Novartis Foundation Symposium</i> , 1988 , 141, 75-93		5
33	Direct comparison of five different 3D extracellular matrix model systems for characterization of cancer cell migration. <i>Cancer Reports</i> , 2020 , 3, e1257	1.5	5
32	Extracellular Matrix. <i>Current Protocols in Cell Biology</i> , 2009 , 45, 10.0.1	2.3	4
31	Inhibition of rho GTPases by RNA interference. <i>Methods in Enzymology</i> , 2006 , 406, 345-61	1.7	4
30	Cell-extracellular matrix dynamics.. <i>Physical Biology</i> , 2021 ,	3	4
29	Isolation of Fibronectin from Plasma and Cells 2018 , 111-124		4
28	The Adhesion Recognition Signal of Fibronectin: A Possible Trigger Mechanism for Compaction During Somitogenesis 1986 , 201-208		4
27	Hemin activation of innate cellular response blocks human immunodeficiency virus type-1-induced osteoclastogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 464, 7-12	3.4	3
26	Localized Lysosome Exocytosis Helps Breach Tissue Barriers. <i>Developmental Cell</i> , 2017 , 43, 377-378	10.2	3
25	Selective side-chain modification of cysteine and arginine residues blocks pathogenic activity of HIV-1-Tat functional peptides. <i>Peptides</i> , 2006 , 27, 611-21	3.8	3
24	Cell-Surface Fibronectin. <i>JAMA - Journal of the American Medical Association</i> , 1980 , 244, 179	27.4	3
23	Isolation of Fibronectin Receptors 1990 , 435-449		3
22	Cell adhesion to anosmin via $\alpha 1$, $\alpha 1$, and $\alpha 1$ integrins. <i>Cell Adhesion and Migration</i> , 2018 , 12, 93-100	3.2	2
21	Non-coding RNAs and heme oxygenase-1 in vaccinia virus infection. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 454, 84-8	3.4	2
20	Defective iron homeostasis in human immunodeficiency virus type-1 latency. <i>Current Trends in Immunology</i> , 2016 , 17, 125-131	4	2
19	Cell and matrix dynamics in branching morphogenesis 2020 , 217-235		1
18	Region-specific epithelial cell dynamics during branching morphogenesis. <i>Developmental Dynamics</i> , 2013 , 242, C1-C1	2.9	1
17	Cell-ECM Interactions and the Regulation of Epithelial Branching Morphogenesis. <i>Biology of Extracellular Matrix</i> , 2013 , 75-104	0.6	1

LIST OF PUBLICATIONS

16	Cellular Mechanotransduction: Interactions with the Extracellular Matrix	120-160	1
15	Cell Adhesion. <i>Current Protocols in Cell Biology</i> , 2003 , 18, 9.0.1	2.3	1
14	Molecular Analysis of Salivary Gland Branching Morphogenesis. <i>Oral Science International</i> , 2004 , 1, 16-21	0.5	1
13	Transmembrane crosstalk between the extracellular matrix and the cytoskeleton		1
12	Basement membrane regulates fibronectin organization using sliding focal adhesions driven by a contractile winch		1
11	Cell Adhesion and Movement 2015 , 61-72	0	
10	Integrins in Wound Repair 1988 , 311-338	0	
9	Hemin activation abrogates Mycoplasma hyorhinis replication in chronically infected prostate cancer cells via heme oxygenase-1 induction. <i>FEBS Open Bio</i> , 2021 , 11, 2727-2739	2.7	0
8	Visualization of trigeminal ganglion sensory neuronal signaling regulated by Cdk5.. <i>Cell Reports</i> , 2022 , 38, 110458	10.6	0
7	Non-apoptotic activation of Drosophila caspase-2/9 modulates JNK signaling, the tumor microenvironment, and growth of wound-like tumors.. <i>Cell Reports</i> , 2022 , 39, 110718	10.6	0
6	Kenneth Yamada: exploring the paths of cell migration by Short Ben. <i>Journal of Cell Biology</i> , 2010 , 188, 178-9	7.3	
5	Salivary Gland Branching Morphogenesis : Exploration of Molecular Mechanisms Using Laser Microdissection and T7-SAGE. <i>Journal of Oral Biosciences</i> , 2006 , 48, 1-6	2.5	
4	The Focal Adhesion: A Network of Molecular Interactions 2003 , 317-321		
3	Salivary Gland Branching Morphogenesis: Exploration of Molecular Mechanisms Using Laser Microdissection and T7-SAGE. <i>Journal of Oral Biosciences</i> , 2006 , 48, 1-6	2.5	
2	Cleft formation and branching morphogenesis of salivary gland: exploration of new functional genes 2010 , 13-19		
1	Extracellular Matrix in Human Craniofacial Development. <i>Journal of Dental Research</i> , 2021 , 220345211052082		