

Martin J Humphries

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.

230
papers

16,396
citations

71
h-index

121
g-index

308
ext. papers

18,376
ext. citations

7.4
avg, IF

6.62
L-index

#	Paper	IF	Citations
230	Identification of an Altered Matrix Signature in Kidney Aging and Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2021 ,	12.7	6
229	A SNAI2-PEAK1-INHBA stromal axis drives progression and lapatinib resistance in HER2-positive breast cancer by supporting subpopulations of tumor cells positive for antiapoptotic and stress signaling markers. <i>Oncogene</i> , 2021 , 40, 5224-5235	9.2	1
228	KANK family proteins in cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2021 , 131, 1059035.6	5.6	2
227	Extracellular CellMatrix Interactions 2021 , 301-305		
226	Talin mechanosensitivity is modulated by a direct interaction with cyclin-dependent kinase-1. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100837	5.4	8
225	FHL-1 interacts with human RPE cells through the $\alpha 5 \beta 1$ integrin and confers protection against oxidative stress. <i>Scientific Reports</i> , 2021 , 11, 14175	4.9	1
224	A microenvironment-inspired synthetic three-dimensional model for pancreatic ductal adenocarcinoma organoids. <i>Nature Materials</i> , 2021 ,	27	17
223	The Tongue Squamous Carcinoma Cell Line Cal27 Primarily Employs Integrin $\alpha 4 \beta 1$ -Containing Type II Hemidesmosomes for Adhesion Which Contribute to Anticancer Drug Sensitivity.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 786758	5.7	1
222	Basement membrane ligands initiate distinct signalling networks to direct cell shape. <i>Matrix Biology</i> , 2020 , 90, 61-78	11.4	23
221	KANK2 Links $\alpha 5 \beta 1$ Focal Adhesions to Microtubules and Regulates Sensitivity to Microtubule Poisons and Cell Migration. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 125	5.7	10
220	Global proteomic analysis of insulin receptor interactors in glomerular podocytes. <i>Wellcome Open Research</i> , 2020 , 5, 202	4.8	1
219	Topological features of integrin adhesion complexes revealed by multiplexed proximity biotinylation. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	24
218	ER-resident oxidoreductases are glycosylated and trafficked to the cell surface to promote matrix degradation by tumour cells. <i>Nature Cell Biology</i> , 2020 , 22, 1371-1381	23.4	8
217	Integrin Crosstalk Contributes to the Complexity of Signalling and Unpredictable Cancer Cell Fates. <i>Cancers</i> , 2020 , 12,	6.6	20
216	Multiplexed Proximity Biotinylation Coupled to Mass Spectrometry for Defining Integrin Adhesion Complexes. <i>Current Protocols in Cell Biology</i> , 2020 , 88, e113	2.3	2
215	Clathrin-containing adhesion complexes. <i>Journal of Cell Biology</i> , 2019 , 218, 2086-2095	7.3	26
214	$\alpha 5 \beta 1$ integrin is a sensor of blood flow direction. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	23

213	Connections between the cell cycle, cell adhesion and the cytoskeleton. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20180227	5.8	36
212	Quantitative proteomics and single-nucleus transcriptomics of the sinus node elucidates the foundation of cardiac pacemaking. <i>Nature Communications</i> , 2019 , 10, 2889	17.4	51
211	Signal transduction via integrin adhesion complexes. <i>Current Opinion in Cell Biology</i> , 2019 , 56, 14-21	9	149
210	Reticular adhesions are a distinct class of cell-matrix adhesions that mediate attachment during mitosis. <i>Nature Cell Biology</i> , 2018 , 20, 1290-1302	23.4	65
209	Cell adhesion is regulated by CDK1 during the cell cycle. <i>Journal of Cell Biology</i> , 2018 , 217, 3203-3218	7.3	66
208	Conformational equilibria and intrinsic affinities define integrin activation. <i>EMBO Journal</i> , 2017 , 36, 629-645	6.4	80
207	The Sharpin interactome reveals a role for Sharpin in lamellipodium formation via the Arp2/3 complex. <i>Journal of Cell Science</i> , 2017 , 130, 3094-3107	5.3	8
206	Proteomic definitions of basement membrane composition in health and disease. <i>Matrix Biology</i> , 2017 , 57-58, 12-28	11.4	83
205	Characterization of the Phospho-Adhesome by Mass Spectrometry-Based Proteomics. <i>Methods in Molecular Biology</i> , 2017 , 1636, 235-251	1.4	8
204	PPFIA1 drives active $\beta 1$ integrin recycling and controls fibronectin fibrillogenesis and vascular morphogenesis. <i>Nature Communications</i> , 2016 , 7, 13546	17.4	54
203	Ligand-induced Epitope Masking: DISSOCIATION OF INTEGRIN $\beta 1$ -FIBRONECTIN COMPLEXES ONLY BY MONOCLONAL ANTIBODIES WITH AN ALLOSTERIC MODE OF ACTION. <i>Journal of Biological Chemistry</i> , 2016 , 291, 20993-21007	5.4	9
202	Relating conformation to function in integrin $\beta 1$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3872-81	11.5	75
201	Modulation of FAK and Src adhesion signaling occurs independently of adhesion complex composition. <i>Journal of Cell Biology</i> , 2016 , 212, 349-64	7.3	61
200	Mechanosensitivity of integrin adhesion complexes: role of the consensus adhesome. <i>Experimental Cell Research</i> , 2016 , 343, 7-13	4.2	60
199	Allosteric Regulation of Fibronectin/ $\beta 1$ Interaction by Fibronectin-Binding MSCRAMMs. <i>PLoS ONE</i> , 2016 , 11, e0159118	3.7	19
198	The integrin adhesome network at a glance. <i>Journal of Cell Science</i> , 2016 , 129, 4159-4163	5.3	123
197	Proteomic analysis of integrin-associated complexes from mesenchymal stem cells. <i>Proteomics - Clinical Applications</i> , 2016 , 10, 51-7	3.1	24
196	Isolation of integrin-based adhesion complexes. <i>Current Protocols in Cell Biology</i> , 2015 , 66, 9.8.1-9.8.15	2.3	32

195	Emerging properties of adhesion complexes: what are they and what do they do?. <i>Trends in Cell Biology</i> , 2015 , 25, 388-97	18.3	66
194	A proteomic approach reveals integrin activation state-dependent control of microtubule cortical targeting. <i>Nature Communications</i> , 2015 , 6, 6135	17.4	50
193	Definition of a consensus integrin adhesome and its dynamics during adhesion complex assembly and disassembly. <i>Nature Cell Biology</i> , 2015 , 17, 1577-1587	23.4	300
192	Defining the phospho-adhesome through the phosphoproteomic analysis of integrin signalling. <i>Nature Communications</i> , 2015 , 6, 6265	17.4	86
191	Genetic Background is a Key Determinant of Glomerular Extracellular Matrix Composition and Organization. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 3021-34	12.7	31
190	Epimorphin alters the inhibitory effects of SOX9 on Mmp13 in activated hepatic stellate cells. <i>PLoS ONE</i> , 2014 , 9, e100091	3.7	12
189	Microtubule-dependent modulation of adhesion complex composition. <i>PLoS ONE</i> , 2014 , 9, e115213	3.7	23
188	Glomerular cell cross-talk influences composition and assembly of extracellular matrix. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 953-66	12.7	71
187	The importance of podocyte adhesion for a healthy glomerulus. <i>Frontiers in Endocrinology</i> , 2014 , 5, 160	5.7	72
186	Global analysis reveals the complexity of the human glomerular extracellular matrix. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 939-51	12.7	119
185	Disruption of integrin-fibronectin complexes by allosteric but not ligand-mimetic inhibitors. <i>Biochemical Journal</i> , 2014 , 464, 301-13	3.8	19
184	Cyclic mechanical reinforcement of integrin-ligand interactions. <i>Molecular Cell</i> , 2013 , 49, 1060-8	17.6	104
183	Syndecan-4 phosphorylation is a control point for integrin recycling. <i>Developmental Cell</i> , 2013 , 24, 472-85	10.2	94
182	The effect of peptide adsorption on signal linearity and a simple approach to improve reliability of quantification. <i>Journal of Proteomics</i> , 2013 , 85, 160-4	3.9	17
181	Role of adhesion receptor trafficking in 3D cell migration. <i>Current Opinion in Cell Biology</i> , 2013 , 25, 627-32	3.9	41
180	Defining the extracellular matrix using proteomics. <i>International Journal of Experimental Pathology</i> , 2013 , 94, 75-92	2.8	105
179	Activation of beta 1 but not beta 3 integrin increases cell traction forces. <i>FEBS Letters</i> , 2013 , 587, 763-9	3.8	58
178	RCP-driven $\beta 1$ recycling suppresses Rac and promotes RhoA activity via the RacGAP1-IQGAP1 complex. <i>Journal of Cell Biology</i> , 2013 , 202, 917-35	7.3	101

177	Martin Humphries: Attached to adhesion. Interview by Caitlin Sedwick. <i>Journal of Cell Biology</i> , 2013 , 200, 554-5	7.3	
176	Rac1 is deactivated at integrin activation sites through an IQGAP1-filamin-A-RacGAP1 pathway. <i>Journal of Cell Science</i> , 2013 , 126, 4121-35	5.3	51
175	Comparative proteomic analysis of supportive and unresponsive extracellular matrix substrates for human embryonic stem cell maintenance. <i>Journal of Biological Chemistry</i> , 2013 , 288, 18716-31	5.4	43
174	Distinct biophysical mechanisms of focal adhesion kinase mechanoactivation by different extracellular matrix proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19372-7	11.5	125
173	IQGAP1 is a key node within the small GTPase network. <i>Small GTPases</i> , 2013 , 4, 199-207	2.7	24
172	β 1 integrin signaling maintains human epithelial progenitor cell survival in situ and controls proliferation, apoptosis and migration of their progeny. <i>PLoS ONE</i> , 2013 , 8, e84356	3.7	15
171	Fibronectin supports neurite outgrowth and axonal regeneration of adult brain neurons in vitro. <i>Brain Research</i> , 2012 , 1453, 8-16	3.7	51
170	Proteomic analysis of extracellular matrix from the hepatic stellate cell line LX-2 identifies CYR61 and Wnt-5a as novel constituents of fibrotic liver. <i>Journal of Proteome Research</i> , 2012 , 11, 4052-64	5.6	58
169	Alternative cellular roles for proteins identified using proteomics. <i>Journal of Proteomics</i> , 2012 , 75, 4184-5.9	5.9	5
168	Proteomic analysis of β 1 integrin adhesion complexes reveals β subunit-dependent protein recruitment. <i>Proteomics</i> , 2012 , 12, 2107-14	4.8	46
167	Opticin exerts its anti-angiogenic activity by regulating extracellular matrix adhesiveness. <i>Journal of Biological Chemistry</i> , 2012 , 287, 28027-36	5.4	30
166	A syndecan-4 hair trigger initiates wound healing through caveolin- and RhoG-regulated integrin endocytosis. <i>Developmental Cell</i> , 2011 , 21, 681-93	10.2	103
165	Integrin structure, activation, and interactions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	636
164	Proteomic analysis of integrin adhesion complexes. <i>Science Signaling</i> , 2011 , 4, pt2	8.8	36
163	SHARPIN is an endogenous inhibitor of β 1-integrin activation. <i>Nature Cell Biology</i> , 2011 , 13, 1315-24	23.4	159
162	Divalent cations regulate the folding and activation status of integrins during their intracellular trafficking. <i>Journal of Cell Science</i> , 2011 , 124, 1672-80	5.3	62
161	Modulation of cartilage differentiation by melanoma inhibiting activity/cartilage-derived retinoic acid-sensitive protein (MIA/CD-RAP). <i>Experimental and Molecular Medicine</i> , 2010 , 42, 166-74	12.8	22
160	Focal adhesions are sites of integrin extension. <i>Journal of Cell Biology</i> , 2010 , 188, 891-903	7.3	91

159	Alpha v beta3 integrin spatially regulates VASP and RIAM to control adhesion dynamics and migration. <i>Journal of Cell Biology</i> , 2010 , 189, 369-83	7.3	68
158	Interaction of the β A domain of integrin with small collagen fragments. <i>Protein and Cell</i> , 2010 , 1, 393-405.2		23
157	Adhesion signalling complexes. <i>Current Biology</i> , 2010 , 20, R1063-R1067	6.3	41
156	Molecular interplay between endostatin, integrins, and heparan sulfate. <i>Journal of Biological Chemistry</i> , 2009 , 284, 22029-22040	5.4	80
155	Linking integrin conformation to function. <i>Journal of Cell Science</i> , 2009 , 122, 165-70	5.3	255
154	Syndecans shed their reputation as inert molecules. <i>Science Signaling</i> , 2009 , 2, pe18	8.8	48
153	Neuropilin-1/GIPC1 signaling regulates alpha5beta1 integrin traffic and function in endothelial cells. <i>PLoS Biology</i> , 2009 , 7, e25	9.7	215
152	Proteomic analysis of integrin-associated complexes identifies RCC2 as a dual regulator of Rac1 and Arf6. <i>Science Signaling</i> , 2009 , 2, ra51	8.8	178
151	Therapeutic ultrasound bypasses canonical syndecan-4 signaling to activate rac1. <i>Journal of Biological Chemistry</i> , 2009 , 284, 8898-909	5.4	29
150	Demonstration of catch bonds between an integrin and its ligand. <i>Journal of Cell Biology</i> , 2009 , 185, 1275-84	7.9	479
149	Giving off mixed signals--distinct functions of alpha5beta1 and alphavbeta3 integrins in regulating cell behaviour. <i>IUBMB Life</i> , 2009 , 61, 731-8	4.7	81
148	Anti-integrin monoclonal antibodies. <i>Journal of Cell Science</i> , 2009 , 122, 4009-11	5.3	129
147	An integrin-alpha4-14-3-3zeta-paxillin ternary complex mediates localised Cdc42 activity and accelerates cell migration. <i>Journal of Cell Science</i> , 2009 , 122, 1654-64	5.3	42
146	Cell adhesion assays. <i>Methods in Molecular Biology</i> , 2009 , 522, 203-10	1.4	62
145	Mapping the ligand-binding pocket of integrin alpha5beta1 using a gain-of-function approach. <i>Biochemical Journal</i> , 2009 , 424, 179-89	3.8	22
144	Functional role of beta 1 integrin-mediated signalling in the human hair follicle. <i>Experimental Cell Research</i> , 2008 , 314, 498-508	4.2	32
143	Quantification of integrin receptor agonism by fluorescence lifetime imaging. <i>Journal of Cell Science</i> , 2008 , 121, 265-71	5.3	78
142	Distinct roles of beta1 metal ion-dependent adhesion site (MIDAS), adjacent to MIDAS (ADMIDAS), and ligand-associated metal-binding site (LIMBS) cation-binding sites in ligand recognition by integrin alpha2beta1. <i>Journal of Biological Chemistry</i> , 2008 , 283, 32704-14	5.4	39

141	p190RhoGAP is the convergence point of adhesion signals from alpha 5 beta 1 integrin and syndecan-4. <i>Journal of Cell Biology</i> , 2008 , 181, 1013-26	7.3	96
140	Fibronectin-tissue transglutaminase matrix rescues RGD-impaired cell adhesion through syndecan-4 and beta1 integrin co-signaling. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20937-47	5.4	107
139	Integrin-Syndecan Cooperation Governs the Assembly of Signalling Complexes during Cell Spreading. <i>Novartis Foundation Symposium</i> , 2008 , 178-192		9
138	Integrins and syndecan-4 make distinct, but critical, contributions to adhesion contact formation. <i>Soft Matter</i> , 2007 , 3, 372-376	3.6	29
137	Synergistic control of cell adhesion by integrins and syndecans. <i>Nature Reviews Molecular Cell Biology</i> , 2007 , 8, 957-69	48.7	435
136	Syndecan-4-dependent Rac1 regulation determines directional migration in response to the extracellular matrix. <i>Journal of Cell Biology</i> , 2007 , 177, 527-38	7.3	192
135	Vinculin controls focal adhesion formation by direct interactions with talin and actin. <i>Journal of Cell Biology</i> , 2007 , 179, 1043-57	7.3	640
134	Cell adhesion to fibrillin-1: identification of an Arg-Gly-Asp-dependent synergy region and a heparin-binding site that regulates focal adhesion formation. <i>Journal of Cell Science</i> , 2007 , 120, 1383-92	5.3	69
133	Rab25 associates with alpha5beta1 integrin to promote invasive migration in 3D microenvironments. <i>Developmental Cell</i> , 2007 , 13, 496-510	10.2	330
132	The alternatively spliced type III connecting segment of fibronectin is a zinc-binding module. <i>Matrix Biology</i> , 2007 , 26, 485-93	11.4	4
131	Integrin-binding RGD peptides induce rapid intracellular calcium increases and MAPK signaling in cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2007 , 34, 147-54	4.8	31
130	Preconditioning injury-induced neurite outgrowth of adult rat sensory neurons on fibronectin is mediated by mobilisation of axonal alpha5 integrin. <i>Molecular and Cellular Neurosciences</i> , 2007 , 35, 249-60	4.8	53
129	CD14 is a ligand for the integrin alpha4beta1. <i>FEBS Letters</i> , 2007 , 581, 757-63	3.8	15
128	Regulation of integrin activity by MIA. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11669-77	5.4	44
127	Heparin-II domain of fibronectin is a vascular endothelial growth factor-binding domain: enhancement of VEGF biological activity by a singular growth factor/matrix protein synergism. <i>Circulation Research</i> , 2006 , 99, 853-60	15.7	221
126	Alpha2(VIII) collagen substrata enhance endothelial cell retention under acute shear stress flow via an alpha2beta1 integrin-dependent mechanism: an in vitro and in vivo study. <i>Circulation</i> , 2006 , 114, 820-9	16.7	24
125	Integrin ligands at a glance. <i>Journal of Cell Science</i> , 2006 , 119, 3901-3	5.3	1138
124	The "linker" region (amino acids 38-47) of the disintegrin elegantin is a novel inhibitory domain of integrin alpha5beta1-dependent cell adhesion on fibronectin: evidence for the negative regulation of fibronectin synergy site biological activity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 37686-96	5.4	2

123	Identification of multiple integrin beta1 homologs in zebrafish (<i>Danio rerio</i>). <i>BMC Cell Biology</i> , 2006 , 7, 24		26
122	Activation of integrin alpha5beta1 delays apoptosis of Ntera2 neuronal cells. <i>Molecular and Cellular Neurosciences</i> , 2005 , 28, 588-98	4.8	29
121	The integrins of the urochordate <i>Ciona intestinalis</i> provide novel insights into the molecular evolution of the vertebrate integrin family. <i>BMC Evolutionary Biology</i> , 2005 , 5, 31	3	37
120	Alpha-H...O = C hydrogen bonds contribute to the specificity of RGD cell-adhesion interactions. <i>BMC Structural Biology</i> , 2005 , 5, 4	2.7	21
119	Regulation of alpha5beta1 integrin conformation and function by urokinase receptor binding. <i>Journal of Cell Biology</i> , 2005 , 168, 501-11	7.3	115
118	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
117	Dual functionality of the anti-beta1 integrin antibody, 12G10, exemplifies agonistic signalling from the ligand binding pocket of integrin adhesion receptors. <i>Journal of Biological Chemistry</i> , 2005 , 280, 10234-43	5.4	30
116	Evidence for the presence of a low-mass beta1 integrin on the cell surface. <i>Journal of Cell Science</i> , 2005 , 118, 4009-16	5.3	19
115	Evidence that monoclonal antibodies directed against the integrin beta subunit plexin/semaphorin/integrin domain stimulate function by inducing receptor extension. <i>Journal of Biological Chemistry</i> , 2005 , 280, 4238-46	5.4	46
114	Fibronectin regulates latent transforming growth factor-beta (TGF beta) by controlling matrix assembly of latent TGF beta-binding protein-1. <i>Journal of Biological Chemistry</i> , 2005 , 280, 18871-80	5.4	226
113	A small molecule alpha 4 beta 1 antagonist prevents development of murine Lyme arthritis without affecting protective immunity. <i>Journal of Immunology</i> , 2005 , 175, 4724-34	5.3	14
112	Integrin-syndecan cooperation governs the assembly of signalling complexes during cell spreading. <i>Novartis Foundation Symposium</i> , 2005 , 269, 178-88; discussion 188-92, 223-30		7
111	Integrin alpha5beta1 and ADAM-17 interact in vitro and co-localize in migrating HeLa cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 22377-86	5.4	67
110	Regulation of integrin function through conformational complexity: not simply a knee-jerk reaction?. <i>Current Opinion in Cell Biology</i> , 2004 , 16, 544-51	9	87
109	Molecular basis for the dynamic strength of the integrin alpha4beta1/VCAM-1 interaction. <i>Biophysical Journal</i> , 2004 , 87, 3470-8	2.9	92
108	Interaction of filamin A with the integrin beta 7 cytoplasmic domain: role of alternative splicing and phosphorylation. <i>FEBS Letters</i> , 2004 , 569, 185-90	3.8	36
107	Novel activating and inactivating mutations in the integrin beta1 subunit A domain. <i>Biochemical Journal</i> , 2004 , 380, 401-7	3.8	27
106	Monoclonal antibodies as probes of integrin priming and activation. <i>Biochemical Society Transactions</i> , 2004 , 32, 407-11	5.1	54

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104	Role of ADMIDAS cation-binding site in ligand recognition by integrin alpha 5 beta 1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 51622-9	5.4	77
103	Structure of an integrin-ligand complex deduced from solution x-ray scattering and site-directed mutagenesis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 39993-9	5.4	87
102	Conformational changes in the integrin beta A domain provide a mechanism for signal transduction via hybrid domain movement. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17028-35	5.4	100
101	Mapping functional residues onto integrin crystal structures. <i>Current Opinion in Structural Biology</i> , 2003 , 13, 236-43	8.1	65
100	Integrin structure: heady advances in ligand binding, but activation still makes the knees wobble. <i>Trends in Biochemical Sciences</i> , 2003 , 28, 313-20	10.3	113
99	An unraveling tale of how integrins are activated from within. <i>Trends in Pharmacological Sciences</i> , 2003 , 24, 192-7	13.2	57
98	Integrin-specific signaling pathways controlling focal adhesion formation and cell migration. <i>Journal of Cell Biology</i> , 2003 , 161, 155-67	7.3	176
97	Cell adhesion to fibrillin-1 molecules and microfibrils is mediated by alpha 5 beta 1 and alpha v beta 3 integrins. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34605-16	5.4	145
96	A novel gain-of-function mutation of the integrin alpha2 VWFA domain. <i>FEBS Journal</i> , 2002 , 269, 1136-44		35
95	Alternative splicing of the IIICS domain in fibronectin governs the role of the heparin II domain in fibrillogenesis and cell spreading. <i>Journal of Biological Chemistry</i> , 2002 , 277, 13650-8	5.4	21
94	Site-directed perturbation of protein kinase C- integrin interaction blocks carcinoma cell chemotaxis. <i>Molecular and Cellular Biology</i> , 2002 , 22, 5897-911	4.8	99
93	Integrin activation involves a conformational change in the alpha 1 helix of the beta subunit A-domain. <i>Journal of Biological Chemistry</i> , 2002 , 277, 19800-5	5.4	109
92	Cytoplasmic interactions of syndecan-4 orchestrate adhesion receptor and growth factor receptor signalling. <i>Biochemical Journal</i> , 2002 , 368, 1-15	3.8	122
91	Insights into integrin-ligand binding and activation from the first crystal structure. <i>Arthritis Research</i> , 2002 , 4 Suppl 3, S69-78		26
90	E-cadherin is a ligand for integrin alpha2beta1. <i>Matrix Biology</i> , 2002 , 21, 525-32	11.4	53
89	DrhoGEF3 encodes a new Drosophila DH domain protein that exhibits a highly dynamic embryonic expression pattern. <i>Development Genes and Evolution</i> , 2001 , 211, 263-7	1.8	3
88	Activation of beta(1) integrins mediates proliferation and inhibits apoptosis of intestinal CD4-positive lymphocytes. <i>European Journal of Immunology</i> , 2001 , 31, 1228-38	6.1	22

87	Cell adhesion assays. <i>Molecular Biotechnology</i> , 2001 , 18, 57-61	3	49
86	Structure. An anthropomorphic integrin. <i>Science</i> , 2001 , 294, 316-7	33.3	14
85	Generation of a minimal alpha5beta1 integrin-Fc fragment. <i>Journal of Biological Chemistry</i> , 2001 , 276, 35854-66	5.4	43
84	Cell-substrate adhesion assays. <i>Current Protocols in Cell Biology</i> , 2001 , Chapter 9, Unit 9.1	2.3	38
83	Monoclonal antibodies identify residues 199-216 of the integrin α vWFA domain as a functionally important region within α 1. <i>Biochemical Journal</i> , 2000 , 350, 485	3.8	9
82	Monoclonal antibodies identify residues 199-216 of the integrin α vWFA domain as a functionally important region within α 1. <i>Biochemical Journal</i> , 2000 , 350, 485-493	3.8	24
81	Elucidation of the structural features of heparan sulfate important for interaction with the Hep-2 domain of fibronectin. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4599-606	5.4	71
80	Molecular basis of ligand recognition by integrin alpha 5beta 1. I. Specificity of ligand binding is determined by amino acid sequences in the second and third NH2-terminal repeats of the alpha subunit. <i>Journal of Biological Chemistry</i> , 2000 , 275, 20324-36	5.4	80
79	Molecular basis of ligand recognition by integrin alpha5beta 1. II. Specificity of arg-gly-Asp binding is determined by Trp157 OF THE alpha subunit. <i>Journal of Biological Chemistry</i> , 2000 , 275, 20337-45	5.4	50
78	Integrin cell adhesion receptors and the concept of agonism. <i>Trends in Pharmacological Sciences</i> , 2000 , 21, 29-32	13.2	44
77	Production of recombinant soluble human integrin alpha4beta1. <i>FEBS Letters</i> , 2000 , 471, 182-6	3.8	9
76	Foot-and-mouth disease virus is a ligand for the high-affinity binding conformation of integrin alpha5beta1: influence of the leucine residue within the RGD motif on selectivity of integrin binding. <i>Microbiology (United Kingdom)</i> , 2000 , 81, 1383-91	2.9	65
75	Recruitment of a heparan sulfate subunit to the interleukin-1 receptor complex. Regulation by fibronectin attachment. <i>Journal of Biological Chemistry</i> , 1999 , 274, 20103-9	5.4	13
74	Integrin signalling defects in T-lymphocytes in systemic lupus erythematosus. <i>Lupus</i> , 1999 , 8, 39-51	2.6	6
73	PKCalpha regulates beta1 integrin-dependent cell motility through association and control of integrin traffic. <i>EMBO Journal</i> , 1999 , 18, 3909-23	13	294
72	Integrin antagonists. <i>Cellular and Molecular Life Sciences</i> , 1999 , 56, 427-41	10.3	91
71	Identification of heparin as a ligand for the A-domain of Plasmodium falciparum thrombospondin-related adhesion protein. <i>Molecular and Biochemical Parasitology</i> , 1999 , 100, 111-24	1.9	57
70	Fine mapping of inhibitory anti- β monoclonal antibody epitopes that differentially affect integrin ligand binding. <i>Biochemical Journal</i> , 1999 , 344, 527-533	3.8	44

69	Fine mapping of inhibitory anti- β monoclonal antibody epitopes that differentially affect integrin-ligand binding. <i>Biochemical Journal</i> , 1999 , 344, 527	3.8	29
68	The Molecular Anatomy of Integrins. <i>Advances in Molecular and Cell Biology</i> , 1999 , 3-26		3
67	The integrin beta subunit. <i>International Journal of Biochemistry and Cell Biology</i> , 1998 , 30, 179-84	5.6	47
66	beta1-integrin cytoplasmic subdomains involved in dominant negative function. <i>Molecular Biology of the Cell</i> , 1998 , 9, 715-31	3.5	65
65	Identification of amino acid residues that form part of the ligand-binding pocket of integrin alpha5 beta1. <i>Journal of Biological Chemistry</i> , 1998 , 273, 25664-72	5.4	43
64	Regulation of macrophage phagocytosis of apoptotic neutrophils by adhesion to fibronectin. <i>Journal of Leukocyte Biology</i> , 1998 , 64, 600-7	6.5	45
63	Regulation of integrin function: evidence that bivalent-cation-induced conformational changes lead to the unmasking of ligand-binding sites within integrin alpha5 beta1. <i>Biochemical Journal</i> , 1998 , 331 (Pt 3), 821-8	3.8	89
62	Regulation of the extracellular ligand binding activity of integrins. <i>Frontiers in Bioscience - Landmark</i> , 1998 , 3, d684-700	2.8	24
61	The integrin alpha1 A-domain is a ligand binding site for collagens and laminin. <i>Journal of Biological Chemistry</i> , 1997 , 272, 12311-7	5.4	118
60	An RGD to LDV motif conversion within the disintegrin kistrin generates an integrin antagonist that retains potency but exhibits altered receptor specificity. Evidence for a functional equivalence of acidic integrin-binding motifs. <i>Journal of Biological Chemistry</i> , 1997 , 272, 21341-8	5.4	47
59	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, 17283-92	5.4	140
58	Alpha4 integrin binding interfaces on VCAM-1 and MAdCAM-1. Integrin binding footprints identify accessory binding sites that play a role in integrin specificity. <i>Journal of Biological Chemistry</i> , 1997 , 272, 19429-40	5.4	74
57	Requirement for Rho in integrin signalling. <i>Cell Adhesion and Communication</i> , 1997 , 4, 387-98		117
56	Surface loops adjacent to the cation-binding site of the complement factor B von Willebrand factor type A module determine C3b binding specificity. <i>Biochemistry</i> , 1997 , 36, 6605-13	3.2	42
55	Direct role of the carboxy-terminal cell-binding domain of fibronectin in neural crest cell motility. <i>Experimental Cell Research</i> , 1997 , 233, 1-10	4.2	10
54	A structure prediction for the ligand-binding region of the integrin beta subunit: evidence for the presence of a von Willebrand factor A domain. <i>FEBS Letters</i> , 1997 , 400, 297-303	3.8	89
53	Molecular characterisation of integrin-procollagen C-propeptide interactions. <i>FEBS Journal</i> , 1997 , 246, 274-82		21
52	Association between receptor density, cellular activation, and transformation of adhesive behavior of flowing lymphocytes binding to VCAM-1. <i>European Journal of Immunology</i> , 1997 , 27, 1422-6	6.1	41

51	Ligand Binding Sites Within the Integrins 1997 , 199-217		1
50	The inhibitory anti-beta1 integrin monoclonal antibody 13 recognizes an epitope that is attenuated by ligand occupancy. Evidence for allosteric inhibition of integrin function. <i>Journal of Biological Chemistry</i> , 1996 , 271, 20365-74	5.4	105
49	Integrin adhesion receptors: structure, function and implications for biomedicine. <i>Trends in Molecular Medicine</i> , 1996 , 2, 304-13		81
48	Integrin-collagen binding. <i>Seminars in Cell and Developmental Biology</i> , 1996 , 7, 649-657	7.5	32
47	Integrin activation: the link between ligand binding and signal transduction. <i>Current Opinion in Cell Biology</i> , 1996 , 8, 632-40	9	188
46	Chapter 8 Extracellular matrix. <i>Principles of Medical Biology</i> , 1996 , 3, 181-232		2
45	The A-domain of integrin alpha 2 binds specifically to a range of collagens but is not a general receptor for the collagenous motif. <i>FEBS Journal</i> , 1996 , 241, 732-9		45
44	The cell-binding domain of intimin from enteropathogenic Escherichia coli binds to beta1 integrins. <i>Journal of Biological Chemistry</i> , 1996 , 271, 20359-64	5.4	163
43	Regulation of integrin alpha 5 beta 1-fibronectin interactions by divalent cations. Evidence for distinct classes of binding sites for Mn ²⁺ , Mg ²⁺ , and Ca ²⁺ . <i>Journal of Biological Chemistry</i> , 1995 , 270, 26270-7	5.4	264
42	Changes in the fibronectin-specific integrin expression pattern modify the migratory behavior of sarcoma S180 cells in vitro and in the embryonic environment. <i>Journal of Cell Biology</i> , 1995 , 128, 699-713	7.3	48
41	The alpha 4 integrin chain is a ligand for alpha 4 beta 7 and alpha 4 beta 1. <i>Journal of Experimental Medicine</i> , 1995 , 182, 345-55	16.6	82
40	Identification of a novel anti-integrin monoclonal antibody that recognises a ligand-induced binding site epitope on the beta 1 subunit. <i>FEBS Letters</i> , 1995 , 363, 118-22	3.8	124
39	Regulation of integrin alpha 5 beta 1 function by anti-integrin antibodies and divalent cations. <i>Biochemical Society Transactions</i> , 1995 , 23, 395S	5.1	12
38	Specificity of integrin I-domain-ligand binding. <i>Biochemical Society Transactions</i> , 1995 , 23, 504S	5.1	7
37	Inhibition of integrin-ligand binding by recombinant kistrins. <i>Biochemical Society Transactions</i> , 1995 , 23, 505S	5.1	5
36	Effect of beta-mercaptoethanol on the detection of biotinylated proteins. <i>Analytical Biochemistry</i> , 1995 , 225, 28-33	3.1	8
35	Mechanisms of VCAM-1 and fibronectin binding to integrin alpha 4 beta 1: implications for integrin function and rational drug design. <i>Novartis Foundation Symposium</i> , 1995 , 189, 177-91; discussion 191-9		7
34	Conjugation of synthetic peptides to carrier proteins for cell adhesion studies. <i>Cytotechnology</i> , 1994 , 16, 239-242		2

33	Expression and characterisation of a very-late antigen-4 (alpha 4 beta 1) integrin-binding fragment of vascular cell-adhesion molecule-1. <i>FEBS Journal</i> , 1994 , 226, 517-23		1
32	Mechanisms of ligand binding by integrins. <i>Biochemical Society Transactions</i> , 1994 , 22, 275-82	5.1	7
31	Overview Biologicals and Immunologicals: Integrin antagonists as modulators of adhesion. <i>Expert Opinion on Therapeutic Patents</i> , 1994 , 4, 227-235	6.8	8
30	Mechanism of integrin alpha 4 beta 1-VCAM-1 interaction. <i>Biochemical Society Transactions</i> , 1993 , 21, 339S	5.1	1
29	Dynamic aspects of adhesion receptor function--integrins both twist and shout. <i>BioEssays</i> , 1993 , 15, 391-7.1	4.1	56
28	Molecular and cellular biology of integrins. <i>Critical Reviews in Oncology/Hematology</i> , 1993 , 15, 149-71	7	24
27	Unique expression of integrin fibronectin receptors in human neuroblastoma cell lines. <i>International Journal of Cancer</i> , 1992 , 51, 620-6	7.5	15
26	Peptide recognition motifs involved in the binding of integrins to their ligands. <i>Kidney International</i> , 1992 , 41, 645-9	9.9	13
25	Integrin $\alpha 4 \beta 1$: Its Structure, Ligand-Binding Specificity and Role in Lymphocyte-Endothelial Cell Interactions. <i>Chemical Immunology and Allergy</i> , 1991 , 50, 55-74		
24	The extracellular matrix in health and disease: preface. <i>Biochemical Society Transactions</i> , 1991 , 19, 803-4.5.1	5.1	
23	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
22	LDV: a novel cell adhesion motif recognized by the integrin alpha 4 beta 1. <i>Biochemical Society Transactions</i> , 1991 , 19, 380S	5.1	33
21	Distinct mechanism of human neuroblastoma cell adhesion to fibronectin. <i>Clinical and Experimental Metastasis</i> , 1991 , 9, 363-75	4.7	7
20	Matrix Receptors in Cell Migration 1991 , 195-253		9
19	An assessment of the effects of swainsonine on survival of mice injected with B16-F10 melanoma cells. <i>Clinical and Experimental Metastasis</i> , 1990 , 8, 89-102	4.7	18
18	Use of synthetic peptides to probe lymphocyte--high endothelial cell interactions. Lymphocytes recognize a ligand on the endothelial surface which contains the CS1 adhesion motif. <i>International Immunology</i> , 1990 , 2, 921-8	4.9	39
17	Role of fibronectin in adhesion, migration, and metastasis. <i>Cancer Investigation</i> , 1989 , 7, 373-93	2.1	93
16	Swainsonine inhibition of spontaneous metastasis. <i>Journal of the National Cancer Institute</i> , 1989 , 81, 1024-8	9.7	32

15	Asparagine-linked oligosaccharides and tumor metastasis 1989 , 44, 85-105		23
14	Stimulation of DNA synthesis in murine lymphocytes by the drug swainsonine: immunomodulatory properties. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 150, 615-25	3-4	39
13	Use of antiadhesive peptide and swainsonine to inhibit metastasis. <i>Annals of the New York Academy of Sciences</i> , 1988 , 551, 421-41; discussion 441-2	6-5	5
12	The cell interaction sites of fibronectin in tumour metastasis. <i>Novartis Foundation Symposium</i> , 1988 , 141, 75-93		5
11	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
10	Recent advances in research on fibronectin and other cell attachment proteins. <i>Journal of Cellular Biochemistry</i> , 1985 , 28, 79-97	4-7	140
9	Collagen can modulate cell interactions with fibronectin. <i>Journal of Cell Biology</i> , 1985 , 101, 386-94	7-3	50
8	Function of glycoprotein glycans. <i>Trends in Biochemical Sciences</i> , 1985 , 10, 78-82	10-3	173
7	Stimulation of DNA synthesis by cathepsin D digests of fibronectin. <i>Nature</i> , 1983 , 305, 811-3	50-4	73
6	Glycocalyx-mediated Cell Adhesion and Migration		1
5	Improved LC-MS chromatographic alignment increases the accuracy of label-free quantitative proteomics: Comparison of spectral counting versus ion intensity-based proteomic quantification strategies		1
4	Definition of the fibroblast adhesome using multiplexed proximity biotinylation		1
3	FHL-1 interacts with human RPE cells through the $\alpha 5 \beta 1$ integrin and confers protection against oxidative stress		1
2	Eps8 is a convergence point integrating EGFR and integrin trafficking and crosstalk		3
1	$\alpha 5 \beta 1$ integrin is a sensor of blood flow direction		2