

Martin J Humphries

List of Publications by Year in descending order

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227
papers

19,745
citations

9428

76
h-index

15253

130
g-index

308
all docs

308
docs citations

308
times ranked

21433
citing authors

#	ARTICLE	IF	CITATIONS
1	A microenvironment-inspired synthetic three-dimensional model for pancreatic ductal adenocarcinoma organoids. <i>Nature Materials</i> , 2022, 21, 110-119.	13.3	79
2	Pancreatic ductal adenocarcinoma cells employ integrin $\alpha 6 \beta 4$ to form hemidesmosomes and regulate cell proliferation. <i>Matrix Biology</i> , 2022, 110, 16-39.	1.5	5
3	KANK family proteins in cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 131, 105903.	1.2	13
4	Extracellular Cell-Cell Matrix Interactions. , 2021, , 301-305.		0
5	Identification of an Altered Matrix Signature in Kidney Aging and Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 1713-1732.	3.0	45
6	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.	2.6	11
7	Talin mechanosensitivity is modulated by a direct interaction with cyclin-dependent kinase-1. <i>Journal of Biological Chemistry</i> , 2021, 297, 100837.	1.6	30
8	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.	1.6	6
9	The Tongue Squamous Carcinoma Cell Line Cal27 Primarily Employs Integrin $\alpha 6 \beta 4$ -Containing Type II Hemidesmosomes for Adhesion Which Contribute to Anticancer Drug Sensitivity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 786758.	1.8	6
10	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.	4.6	24
11	Integrin Crosstalk Contributes to the Complexity of Signalling and Unpredictable Cancer Cell Fates. <i>Cancers</i> , 2020, 12, 1910.	1.7	38
12	Multiplexed Proximity Biotinylation Coupled to Mass Spectrometry for Defining Integrin Adhesion Complexes. <i>Current Protocols in Cell Biology</i> , 2020, 88, e113.	2.3	4
13	Basement membrane ligands initiate distinct signalling networks to direct cell shape. <i>Matrix Biology</i> , 2020, 90, 61-78.	1.5	38
14	KANK2 Links $\alpha 5 \beta 2$ Focal Adhesions to Microtubules and Regulates Sensitivity to Microtubule Poisons and Cell Migration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 125.	1.8	22
15	Topological features of integrin adhesion complexes revealed by multiplexed proximity biotinylation. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	48
16	Global proteomic analysis of insulin receptor interactors in glomerular podocytes. <i>Wellcome Open Research</i> , 2020, 5, 202.	0.9	2
17	Connections between the cell cycle, cell adhesion and the cytoskeleton. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180227.	1.8	102
18	Quantitative proteomics and single-nucleus transcriptomics of the sinus node elucidates the foundation of cardiac pacemaking. <i>Nature Communications</i> , 2019, 10, 2889.	5.8	84

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19	Clathrin-containing adhesion complexes. <i>Journal of Cell Biology</i> , 2019, 218, 2086-2095.	2.3	48
20	β 1 integrin is a sensor of blood flow direction. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	41
21	Signal transduction via integrin adhesion complexes. <i>Current Opinion in Cell Biology</i> , 2019, 56, 14-21.	2.6	228
22	Reticular adhesions are a distinct class of cell-matrix adhesions that mediate attachment during mitosis. <i>Nature Cell Biology</i> , 2018, 20, 1290-1302.	4.6	110
23	Cell adhesion is regulated by CDK1 during the cell cycle. <i>Journal of Cell Biology</i> , 2018, 217, 3203-3218.	2.3	114
24	Conformational equilibria and intrinsic affinities define integrin activation. <i>EMBO Journal</i> , 2017, 36, 629-645.	3.5	112
25	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.	1.2	15
26	Proteomic definitions of basement membrane composition in health and disease. <i>Matrix Biology</i> , 2017, 57-58, 12-28.	1.5	110
27	Characterization of the Phospho-Adhesome by Mass Spectrometry-Based Proteomics. <i>Methods in Molecular Biology</i> , 2017, 1636, 235-251.	0.4	13
28	The integrin adhesome network at a glance. <i>Journal of Cell Science</i> , 2016, 129, 4159-4163.	1.2	168
29	Proteomic analysis of integrin-associated complexes from mesenchymal stem cells. <i>Proteomics - Clinical Applications</i> , 2016, 10, 51-57.	0.8	31
30	PPF1A1 drives active β 1 integrin recycling and controls fibronectin fibrillogenesis and vascular morphogenesis. <i>Nature Communications</i> , 2016, 7, 13546.	5.8	72
31	Ligand-induced Epitope Masking. <i>Journal of Biological Chemistry</i> , 2016, 291, 20993-21007.	1.6	16
32	Relating conformation to function in integrin β 5 β 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3872-81.	3.3	110
33	Modulation of FAK and Src adhesion signaling occurs independently of adhesion complex composition. <i>Journal of Cell Biology</i> , 2016, 212, 349-364.	2.3	85
34	Mechanosensitivity of integrin adhesion complexes: role of the consensus adhesome. <i>Experimental Cell Research</i> , 2016, 343, 7-13.	1.2	76
35	Allosteric Regulation of Fibronectin/ β 5 β 1 Interaction by Fibronectin-Binding MSCRAMMs. <i>PLoS ONE</i> , 2016, 11, e0159118.	1.1	41
36	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, 3021-3034.	3.0	39

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37	Isolation of Integrin-Based Adhesion Complexes. <i>Current Protocols in Cell Biology</i> , 2015, 66, 9.8.1-9.8.15.	2.3	48
38	Emerging properties of adhesion complexes: what are they and what do they do?. <i>Trends in Cell Biology</i> , 2015, 25, 388-397.	3.6	101
39	A proteomic approach reveals integrin activation state-dependent control of microtubule cortical targeting. <i>Nature Communications</i> , 2015, 6, 6135.	5.8	71
40	Definition of a consensus integrin adhesome and its dynamics during adhesion complex assembly and disassembly. <i>Nature Cell Biology</i> , 2015, 17, 1577-1587.	4.6	442
41	Defining the phospho-adhesome through the phosphoproteomic analysis of integrin signalling. <i>Nature Communications</i> , 2015, 6, 6265.	5.8	150
42	Epimorphin Alters the Inhibitory Effects of SOX9 on Mmp13 in Activated Hepatic Stellate Cells. <i>PLoS ONE</i> , 2014, 9, e100091.	1.1	19
43	Microtubule-Dependent Modulation of Adhesion Complex Composition. <i>PLoS ONE</i> , 2014, 9, e115213.	1.1	34
44	Glomerular Cell Cross-Talk Influences Composition and Assembly of Extracellular Matrix. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 953-966.	3.0	88
45	The Importance of Podocyte Adhesion for a Healthy Glomerulus. <i>Frontiers in Endocrinology</i> , 2014, 5, 160.	1.5	96
46	Global Analysis Reveals the Complexity of the Human Glomerular Extracellular Matrix. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 939-951.	3.0	158
47	Disruption of integrin-fibronectin complexes by allosteric but not ligand-mimetic inhibitors. <i>Biochemical Journal</i> , 2014, 464, 301-313.	1.7	24
48	Cyclic Mechanical Reinforcement of Integrin-Ligand Interactions. <i>Molecular Cell</i> , 2013, 49, 1060-1068.	4.5	131
49	Syndecan-4 Phosphorylation Is a Control Point for Integrin Recycling. <i>Developmental Cell</i> , 2013, 24, 472-485.	3.1	111
50	The effect of peptide adsorption on signal linearity and a simple approach to improve reliability of quantification. <i>Journal of Proteomics</i> , 2013, 85, 160-164.	1.2	21
51	Role of adhesion receptor trafficking in 3D cell migration. <i>Current Opinion in Cell Biology</i> , 2013, 25, 627-632.	2.6	43
52	Defining the extracellular matrix using proteomics. <i>International Journal of Experimental Pathology</i> , 2013, 94, 75-92.	0.6	137
53	Activation of beta 1 but not beta 3 integrin increases cell traction forces. <i>FEBS Letters</i> , 2013, 587, 763-769.	1.3	71
54	RCP-driven β 1 recycling suppresses Rac and promotes RhoA activity via the RacGAP1-IQGAP1 complex. <i>Journal of Cell Biology</i> , 2013, 202, 917-935.	2.3	119

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55	Martin Humphries: Attached to adhesion. <i>Journal of Cell Biology</i> , 2013, 200, 554-555.	2.3	0
56	Rac1 is deactivated at integrin activation sites via an IQGAP1/filamin-A/RacGAP1 pathway. <i>Journal of Cell Science</i> , 2013, 126, 4121-35.	1.2	68
57	Comparative Proteomic Analysis of Supportive and Unsupportive Extracellular Matrix Substrates for Human Embryonic Stem Cell Maintenance. <i>Journal of Biological Chemistry</i> , 2013, 288, 18716-18731.	1.6	50
58	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, 19372-19377.	3.3	155
59	IQGAP1 is a key node within the small GTPase network. <i>Small GTPases</i> , 2013, 4, 199-207.	0.7	33
60	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.	1.1	19
61	Opticin Exerts Its Anti-angiogenic Activity by Regulating Extracellular Matrix Adhesiveness. <i>Journal of Biological Chemistry</i> , 2012, 287, 28027-28036.	1.6	36
62	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, 4052-4064.	1.8	66
63	Alternative cellular roles for proteins identified using proteomics. <i>Journal of Proteomics</i> , 2012, 75, 4184-4185.	1.2	5
64	Proteomic analysis of β 1 integrin adhesion complexes reveals β -subunit-dependent protein recruitment. <i>Proteomics</i> , 2012, 12, 2107-2114.	1.3	52
65	Fibronectin supports neurite outgrowth and axonal regeneration of adult brain neurons in vitro. <i>Brain Research</i> , 2012, 1453, 8-16.	1.1	65
66	SHARPIN is an endogenous inhibitor of β 1-integrin activation. <i>Nature Cell Biology</i> , 2011, 13, 1315-1324.	4.6	184
67	A Syndecan-4 Hair Trigger Initiates Wound Healing through Caveolin- and RhoG-Regulated Integrin Endocytosis. <i>Developmental Cell</i> , 2011, 21, 681-693.	3.1	115
68	Integrin Structure, Activation, and Interactions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004994-a004994.	2.3	845
69	Proteomic Analysis of Integrin Adhesion ComplexesA presentation from the 6th British Society for Proteome Research (BSPR)â€“European Bioinformatics Institute (EBI) Meeting â€œMultiscale Proteomics: From Cells to Organismsâ€“at the Wellcome Trust Conference Centre, Cambridge, UK, 14 to 16 July 2009. The Presentation also complements the <i>Science Signaling</i> Research Article by Humphries et al published 8 September 2009. <i>Science Signaling</i> , 2011, 4, pt2.	1.6	45
70	Divalent cations regulate the folding and activation status of integrins during their intracellular trafficking. <i>Journal of Cell Science</i> , 2011, 124, 1672-1680.	1.2	78
71	Interaction of the β 2A domain of integrin with small collagen fragments. <i>Protein and Cell</i> , 2010, 1, 393-405.	4.8	30
72	Adhesion signalling complexes. <i>Current Biology</i> , 2010, 20, R1063-R1067.	1.8	50

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73	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.	3.2	26
74	Focal adhesions are sites of integrin extension. <i>Journal of Cell Biology</i> , 2010, 188, 891-903.	2.3	99
75	$\alpha 3$ integrin spatially regulates VASP and RIAM to control adhesion dynamics and migration. <i>Journal of Cell Biology</i> , 2010, 189, 369-383.	2.3	77
76	Molecular Interplay between Endostatin, Integrins, and Heparan Sulfate. <i>Journal of Biological Chemistry</i> , 2009, 284, 22029-22040.	1.6	89
77	Linking integrin conformation to function. <i>Journal of Cell Science</i> , 2009, 122, 165-170.	1.2	282
78	Syndecans Shed Their Reputation as Inert Molecules. <i>Science Signaling</i> , 2009, 2, pe18.	1.6	54
79	Neuropilin-1/GIPC1 Signaling Regulates $\alpha 1$ Integrin Traffic and Function in Endothelial Cells. <i>PLoS Biology</i> , 2009, 7, e1000025.	2.6	246
80	Proteomic Analysis of Integrin-Associated Complexes Identifies RCC2 as a Dual Regulator of Rac1 and Arf6. <i>Science Signaling</i> , 2009, 2, ra51.	1.6	220
81	Therapeutic Ultrasound Bypasses Canonical Syndecan-4 Signaling to Activate Rac1. <i>Journal of Biological Chemistry</i> , 2009, 284, 8898-8909.	1.6	33
82	Demonstration of catch bonds between an integrin and its ligand. <i>Journal of Cell Biology</i> , 2009, 185, 1275-1284.	2.3	600
83	Cell-to-cell contact and extracellular matrix. <i>Current Opinion in Cell Biology</i> , 2009, 21, 613-615.	2.6	6
84	Giving off mixed signals—Distinct functions of $\alpha 5$ and αv integrins in regulating cell behaviour. <i>IUBMB Life</i> , 2009, 61, 731-738.	1.5	96
85	Anti-integrin monoclonal antibodies. <i>Journal of Cell Science</i> , 2009, 122, 4009-4011.	1.2	153
86	An integrin- $\alpha 4$ - $\beta 3$ -paxillin ternary complex mediates localised Cdc42 activity and accelerates cell migration. <i>Journal of Cell Science</i> , 2009, 122, 1654-1664.	1.2	46
87	Cell Adhesion Assays. <i>Methods in Molecular Biology</i> , 2009, 522, 203-210.	0.4	84
88	Mapping the ligand-binding pocket of integrin $\alpha 5$ using a gain-of-function approach. <i>Biochemical Journal</i> , 2009, 424, 179-189.	1.7	24
89	Functional role of $\alpha 1$ integrin-mediated signalling in the human hair follicle. <i>Experimental Cell Research</i> , 2008, 314, 498-508.	1.2	35
90	Quantification of integrin receptor agonism by fluorescence lifetime imaging. <i>Journal of Cell Science</i> , 2008, 121, 265-271.	1.2	90

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91	Distinct Roles of β 1 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 α 2 β 1. <i>Journal of Biological Chemistry</i> , 2008, 283, 32704-32714.	1.6	47
92	p190RhoGAP is the convergence point of adhesion signals from α 5 β 1 integrin and syndecan-4. <i>Journal of Cell Biology</i> , 2008, 181, 1013-1026.	2.3	105
93	Fibronectin-Tissue Transglutaminase Matrix Rescues RGD-impaired Cell Adhesion through Syndecan-4 and β 1 Integrin Co-signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 20937-20947.	1.6	117
94	Integrin-Syndecan Cooperation Governs the Assembly of Signalling Complexes during Cell Spreading. <i>Novartis Foundation Symposium</i> , 2008, , 178-192.	1.2	15
95	Syndecan-4-dependent Rac1 regulation determines directional migration in response to the extracellular matrix. <i>Journal of Cell Biology</i> , 2007, 177, 527-538.	2.3	221
96	Vinculin controls focal adhesion formation by direct interactions with talin and actin. <i>Journal of Cell Biology</i> , 2007, 179, 1043-1057.	2.3	778
97	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, 1383-1392.	1.2	81
98	Rab25 Associates with α 5 β 1 Integrin to Promote Invasive Migration in 3D Microenvironments. <i>Developmental Cell</i> , 2007, 13, 496-510.	3.1	369
99	The alternatively spliced type III connecting segment of fibronectin is a zinc-binding module. <i>Matrix Biology</i> , 2007, 26, 485-493.	1.5	5
100	Integrin-binding RGD peptides induce rapid intracellular calcium increases and MAPK signaling in cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 147-154.	1.0	34
101	Preconditioning injury-induced neurite outgrowth of adult rat sensory neurons on fibronectin is mediated by mobilisation of axonal α 5 integrin. <i>Molecular and Cellular Neurosciences</i> , 2007, 35, 249-260.	1.0	57
102	CD14 is a ligand for the integrin α 4 β 1. <i>FEBS Letters</i> , 2007, 581, 757-763.	1.3	16
103	Integrins and syndecan-4 make distinct, but critical, contributions to adhesion contact formation. <i>Soft Matter</i> , 2007, 3, 372.	1.2	33
104	Synergistic control of cell adhesion by integrins and syndecans. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 957-969.	16.1	503
105	The "Linker" Region (Amino Acids 38-47) of the Disintegrin Elegantin Is a Novel Inhibitory Domain of Integrin α 5 β 1-Dependent Cell Adhesion on Fibronectin. <i>Journal of Biological Chemistry</i> , 2006, 281, 37686-37696.	1.6	3
106	Identification of multiple integrin β 1 homologs in zebrafish (<i>Danio rerio</i>). <i>BMC Cell Biology</i> , 2006, 7, 24.	3.0	28
107	Regulation of Integrin Activity by MIA. <i>Journal of Biological Chemistry</i> , 2006, 281, 11669-11677.	1.6	51
108	Heparin-II Domain of Fibronectin Is a Vascular Endothelial Growth Factor-Binding Domain. <i>Circulation Research</i> , 2006, 99, 853-860.	2.0	250

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109	$\alpha 2(\text{VIII})$ Collagen Substrata Enhance Endothelial Cell Retention Under Acute Shear Stress Flow via an $\alpha 2\beta 1$ Integrin-Dependent Mechanism. <i>Circulation</i> , 2006, 114, 820-829.	1.6	27
110	Integrin ligands at a glance. <i>Journal of Cell Science</i> , 2006, 119, 3901-3903.	1.2	1,393
111	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.	3.2	47
112	α -H...O = C hydrogen bonds contribute to the specificity of RGD cell-adhesion interactions. , 2005, 5, 4.		24
113	Regulation of $\alpha 5\beta 1$ integrin conformation and function by urokinase receptor binding. <i>Journal of Cell Biology</i> , 2005, 168, 501-511.	2.3	125
114	A specific $\alpha 5\beta 1$ -integrin conformation promotes directional integrin translocation and fibronectin matrix formation. <i>Journal of Cell Science</i> , 2005, 118, 291-300.	1.2	115
115	Dual Functionality of the Anti- $\beta 1$ Integrin Antibody, 12G10, Exemplifies Agonistic Signalling from the Ligand Binding Pocket of Integrin Adhesion Receptors. <i>Journal of Biological Chemistry</i> , 2005, 280, 10234-10243.	1.6	32
116	Evidence for the presence of a low-mass $\beta 1$ integrin on the cell surface. <i>Journal of Cell Science</i> , 2005, 118, 4009-4016.	1.2	19
117	Evidence That Monoclonal Antibodies Directed against the Integrin $\beta 2$ Subunit Plexin/Semaphorin/Integrin Domain Stimulate Function by Inducing Receptor Extension. <i>Journal of Biological Chemistry</i> , 2005, 280, 4238-4246.	1.6	52
118	Fibronectin Regulates Latent Transforming Growth Factor- $\beta 2$ (TGF $\beta 2$) by Controlling Matrix Assembly of Latent TGF $\beta 2$ -binding Protein-1. <i>Journal of Biological Chemistry</i> , 2005, 280, 18871-18880.	1.6	269
119	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, 4724-4734.	0.4	16
120	Activation of integrin $\alpha 5\beta 1$ delays apoptosis of Ntera2 neuronal cells. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 588-598.	1.0	29
121	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.	1.2	7
122	Integrin $\alpha 5\beta 1$ and ADAM-17 Interact in Vitro and Co-localize in Migrating HeLa Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 22377-22386.	1.6	74
123	Adhesion articulated. <i>Nature</i> , 2004, 432, 27-28.	13.7	22
124	Regulation of integrin function through conformational complexity: not simply a knee-jerk reaction?. <i>Current Opinion in Cell Biology</i> , 2004, 16, 544-551.	2.6	92
125	Molecular Basis for the Dynamic Strength of the Integrin $\alpha 4\beta 1$ /VCAM-1 Interaction. <i>Biophysical Journal</i> , 2004, 87, 3470-3478.	0.2	100
126	Interaction of filamin A with the integrin $\beta 7$ cytoplasmic domain: role of alternative splicing and phosphorylation. <i>FEBS Letters</i> , 2004, 569, 185-190.	1.3	47

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127	Novel activating and inactivating mutations in the integrin beta1 subunit A domain. <i>Biochemical Journal</i> , 2004, 380, 401-407.	1.7	27
128	Monoclonal antibodies as probes of integrin priming and activation. <i>Biochemical Society Transactions</i> , 2004, 32, 407-411.	1.6	56
129	Cell-Matrix Interactions. , 2004, , 362-366.		0
130	Mapping functional residues onto integrin crystal structures. <i>Current Opinion in Structural Biology</i> , 2003, 13, 236-243.	2.6	71
131	Integrin structure: heady advances in ligand binding, but activation still makes the knees wobble. <i>Trends in Biochemical Sciences</i> , 2003, 28, 313-320.	3.7	123
132	An unraveling tale of how integrins are activated from within. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 192-197.	4.0	57
133	Integrin-specific signaling pathways controlling focal adhesion formation and cell migration. <i>Journal of Cell Biology</i> , 2003, 161, 155-167.	2.3	181
134	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, 34605-34616.	1.6	168
135	Role of ADMIDAS Cation-binding Site in Ligand Recognition by Integrin $\alpha 5 \beta 1$. <i>Journal of Biological Chemistry</i> , 2003, 278, 51622-51629.	1.6	83
136	Structure of an Integrin-Ligand Complex Deduced from Solution X-ray Scattering and Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 39993-39999.	1.6	93
137	Conformational Changes in the Integrin α A Domain Provide a Mechanism for Signal Transduction via Hybrid Domain Movement. <i>Journal of Biological Chemistry</i> , 2003, 278, 17028-17035.	1.6	119
138	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, 13650-13658.	1.6	28
139	Site-Directed Perturbation of Protein Kinase C- Integrin Interaction Blocks Carcinoma Cell Chemotaxis. <i>Molecular and Cellular Biology</i> , 2002, 22, 5897-5911.	1.1	103
140	Integrin Activation Involves a Conformational Change in the $\alpha 1$ Helix of the $\beta 2$ Subunit A-domain. <i>Journal of Biological Chemistry</i> , 2002, 277, 19800-19805.	1.6	118
141	Cytoplasmic interactions of syndecan-4 orchestrate adhesion receptor and growth factor receptor signalling. <i>Biochemical Journal</i> , 2002, 368, 1-15.	1.7	131
142	Insights into integrin-ligand binding and activation from the first crystal structure. <i>Arthritis Research</i> , 2002, 4, S69.	2.0	31
143	E-cadherin is a ligand for integrin $\alpha 2 \beta 1$. <i>Matrix Biology</i> , 2002, 21, 525-532.	1.5	59
144	A novel gain-of-function mutation of the integrin $\alpha 2$ VWFA domain. <i>FEBS Journal</i> , 2002, 269, 1136-1144.	0.2	45

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145	DrhoGEF3 encodes a new Drosophila DH domain protein that exhibits a highly dynamic embryonic expression pattern. <i>Development Genes and Evolution</i> , 2001, 211, 263-267.	0.4	3
146	Activation of $\alpha 2 \beta 1$ integrins mediates proliferation and inhibits apoptosis of intestinal CD4-positive lymphocytes. <i>European Journal of Immunology</i> , 2001, 31, 1228-1238.	1.6	25
147	Cell Adhesion Assays. <i>Molecular Biotechnology</i> , 2001, 18, 57-62.	1.3	55
148	STRUCTURE: An Anthropomorphic Integrin. <i>Science</i> , 2001, 294, 316-317.	6.0	15
149	Generation of a Minimal $\alpha 5 \beta 1$ Integrin-Fc Fragment. <i>Journal of Biological Chemistry</i> , 2001, 276, 35854-35866.	1.6	47
150	Monoclonal antibodies identify residues 199-216 of the integrin $\alpha 2 \beta 1$ vWFA domain as a functionally important region within $\alpha 2 \beta 1$. <i>Biochemical Journal</i> , 2000, 350, 485.	1.7	9
151	Monoclonal antibodies identify residues 199-216 of the integrin $\alpha 2 \beta 1$ vWFA domain as a functionally important region within $\alpha 2 \beta 1$. <i>Biochemical Journal</i> , 2000, 350, 485-493.	1.7	29
152	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, 4599-4606.	1.6	76
153	Molecular Basis of Ligand Recognition by Integrin $\alpha 5 \beta 1$. <i>Journal of Biological Chemistry</i> , 2000, 275, 20324-20336.	1.6	89
154	Molecular Basis of Ligand Recognition by Integrin $\alpha 5 \beta 1$. <i>Journal of Biological Chemistry</i> , 2000, 275, 20337-20345.	1.6	57
155	Integrin cell adhesion receptors and the concept of agonism. <i>Trends in Pharmacological Sciences</i> , 2000, 21, 29-32.	4.0	50
156	Production of recombinant soluble human integrin $\alpha 4 \beta 1$. <i>FEBS Letters</i> , 2000, 471, 182-186.	1.3	10
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