

Yoshikazu Takada

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L-index

#	Paper	IF	Citations
140	VCAM-1 on activated endothelium interacts with the leukocyte integrin VLA-4 at a site distinct from the VLA-4/fibronectin binding site. <i>Cell</i> , 1990 , 60, 577-84	56.2	1611
139	Statins selectively inhibit leukocyte function antigen-1 by binding to a novel regulatory integrin site. <i>Nature Medicine</i> , 2001 , 7, 687-92	50.5	876
138	The integrins. <i>Genome Biology</i> , 2007 , 8, 215	18.3	768
137	Fibulin-5/DANCE is essential for elastogenesis in vivo. <i>Nature</i> , 2002 , 415, 171-5	50.4	520
136	Structure of the integrin VLA-4 and its cell-cell and cell-matrix adhesion functions. <i>Immunological Reviews</i> , 1990 , 114, 45-65	11.3	295
135	Inhibition of tissue factor signaling suppresses tumor growth. <i>Blood</i> , 2008 , 111, 190-9	2.2	260
134	Activated conformations of very late activation integrins detected by a group of antibodies (HUTS) specific for a novel regulatory region (355-425) of the common beta 1 chain. <i>Journal of Biological Chemistry</i> , 1996 , 271, 11067-75	5.4	249
133	Combinatorial chemistry identifies high-affinity peptidomimetics against alpha4beta1 integrin for in vivo tumor imaging. <i>Nature Chemical Biology</i> , 2006 , 2, 381-9	11.7	207
132	Fibronectin receptor structures in the VLA family of heterodimers. <i>Nature</i> , 1987 , 326, 607-9	50.4	207
131	Extracellular matrix receptors, ECMRII and ECMRI, for collagen and fibronectin correspond to VLA-2 and VLA-3 in the VLA family of heterodimers. <i>Journal of Cellular Biochemistry</i> , 1988 , 37, 385-93	4.7	199
130	RGD-independent binding of integrin alpha9beta1 to the ADAM-12 and -15 disintegrin domains mediates cell-cell interaction. <i>Journal of Biological Chemistry</i> , 2000 , 275, 34922-30	5.4	182
129	Specific interaction of the recombinant disintegrin-like domain of MDC-15 (metargidin, ADAM-15) with integrin alphavbeta3. <i>Journal of Biological Chemistry</i> , 1998 , 273, 7345-50	5.4	164
128	Specific interaction of angiostatin with integrin alpha(v)beta(3) in endothelial cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39562-8	5.4	155
127	Integrins alpha2beta1 and alpha4beta1 can mediate SA11 rotavirus attachment and entry into cells. <i>Journal of Virology</i> , 2000 , 74, 228-36	6.6	150
126	Cellular interaction of integrin alpha3beta1 with laminin 5 promotes gap junctional communication. <i>Journal of Cell Biology</i> , 1998 , 143, 1735-47	7.3	147
125	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
124	Altered rate of fibronectin matrix assembly by deletion of the first type III repeats. <i>Journal of Cell Biology</i> , 1996 , 134, 573-83	7.3	131

123	Integrin-using rotaviruses bind alpha2beta1 integrin alpha2 I domain via VP4 DGE sequence and recognize alphaXbeta2 and alphaVbeta3 by using VP7 during cell entry. <i>Journal of Virology</i> , 2003 , 77, 9969-78	6.6	130
122	Cross-talk of integrin alpha3beta1 and tissue factor in cell migration. <i>Molecular Biology of the Cell</i> , 2004 , 15, 4416-25	3.5	130
121	Urokinase-type plasminogen activator receptor (CD87) is a ligand for integrins and mediates cell-cell interaction. <i>Journal of Biological Chemistry</i> , 2001 , 276, 3983-90	5.4	128
120	Functional classification of ADAMs based on a conserved motif for binding to integrin alpha 9beta 1: implications for sperm-egg binding and other cell interactions. <i>Journal of Biological Chemistry</i> , 2002 , 277, 17804-10	5.4	126
119	ADAM 23/MDC3, a human disintegrin that promotes cell adhesion via interaction with the alphavbeta3 integrin through an RGD-independent mechanism. <i>Molecular Biology of the Cell</i> , 2000 , 11, 1457-69	3.5	108
118	Changing ligand specificities of alphavbeta1 and alphavbeta3 integrins by swapping a short diverse sequence of the beta subunit. <i>Journal of Biological Chemistry</i> , 1997 , 272, 19794-800	5.4	101
117	Plasmin-induced migration of endothelial cells. A potential target for the anti-angiogenic action of angiotatin. <i>Journal of Biological Chemistry</i> , 2002 , 277, 33564-70	5.4	101
116	alpha4beta1- and alpha6beta1-integrins are functional receptors for midkine, a heparin-binding growth factor. <i>Journal of Cell Science</i> , 2004 , 117, 5405-15	5.3	99
115	Direct binding of integrin alphavbeta3 to FGF1 plays a role in FGF1 signaling. <i>Journal of Biological Chemistry</i> , 2008 , 283, 18066-75	5.4	96
114	ADAM12/syndecan-4 signaling promotes beta 1 integrin-dependent cell spreading through protein kinase Calpha and RhoA. <i>Journal of Biological Chemistry</i> , 2003 , 278, 9576-84	5.4	92
113	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
112	Peroxisomal localization of alanine: glyoxylate aminotransferase in human liver. <i>Archives of Biochemistry and Biophysics</i> , 1979 , 196, 645-7	4.1	82
111	Multiple discontinuous ligand-mimetic antibody binding sites define a ligand binding pocket in integrin alpha(IIb)beta(3). <i>Journal of Biological Chemistry</i> , 2000 , 275, 7795-802	5.4	81
110	Critical threonine and aspartic acid residues within the I domains of beta 2 integrins for interactions with intercellular adhesion molecule 1 (ICAM-1) and C3bi. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12531-5	5.4	80
109	Differential regulation of Rho GTPases by α and β integrins: the role of an extracellular domain of integrin in intracellular signaling. <i>Journal of Cell Science</i> , 2002 , 115, 2199-2206	5.3	77
108	Single-chain antibodies for the conformation-specific blockade of activated platelet integrin alphaIIb beta3 designed by subtractive selection from naive human phage libraries. <i>FASEB Journal</i> , 2004 , 18, 1704-6	0.9	75
107	Critical residues of integrin alphaIIb subunit for binding of alphaIIb beta3 (glycoprotein IIb-IIIa) to fibrinogen and ligand-mimetic antibodies (PAC-1, OP-G2, and LJ-CP3). <i>Journal of Biological Chemistry</i> , 1996 , 271, 18610-5	5.4	72
106	Pro-inflammatory secretory phospholipase A2 type IIA binds to integrins alphavbeta3 and alpha4beta1 and induces proliferation of monocytic cells in an integrin-dependent manner. <i>Journal of Biological Chemistry</i> , 2008 , 283, 26107-15	5.4	71

105	Identification of amino acid sequences in fibrinogen gamma -chain and tenascin C C-terminal domains critical for binding to integrin alpha v beta 3. <i>Journal of Biological Chemistry</i> , 2000 , 275, 16891-8	5.4	71
104	Human parechovirus 1 utilizes integrins alphavbeta3 and alphavbeta1 as receptors. <i>Journal of Virology</i> , 2000 , 74, 5856-62	6.6	71
103	Differential regulation of Rho GTPases by beta1 and beta3 integrins: the role of an extracellular domain of integrin in intracellular signaling. <i>Journal of Cell Science</i> , 2002 , 115, 2199-206	5.3	71
102	Critical residues for ligand binding in an I domain-like structure of the integrin beta1 subunit. <i>Journal of Biological Chemistry</i> , 1996 , 271, 20438-43	5.4	67
101	The direct binding of insulin-like growth factor-1 (IGF-1) to integrin alphavbeta3 is involved in IGF-1 signaling. <i>Journal of Biological Chemistry</i> , 2009 , 284, 24106-14	5.4	66
100	Discovery of targeting ligands for breast cancer cells using the one-bead one-compound combinatorial method. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 126-33	8.3	65
99	The use of one-bead one-compound combinatorial library technology to discover high-affinity $\alpha\beta$ integrin and cancer targeting arginine-glycine-aspartic acid ligands with a built-in handle. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 2714-23	6.1	62
98	Adhesion of gastric carcinoma cells to peritoneum mediated by alpha3beta1 integrin (VLA-3). <i>Cancer Research</i> , 2004 , 64, 6065-70	10.1	62
97	Specific binding of integrin alpha v beta 3 to the fibrinogen gamma and alpha E chain C-terminal domains. <i>Biochemistry</i> , 1999 , 38, 5872-7	3.2	62
96	Multiple loop structures critical for ligand binding of the integrin alpha4 subunit in the upper face of the beta-propeller mode 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 7198-203	11.5	61
95	Amino acid residues in the alpha IIb subunit that are critical for ligand binding to integrin alpha IIbbeta 3 are clustered in the beta-propeller model. <i>Journal of Biological Chemistry</i> , 2001 , 276, 44275-83	5.4	61
94	Plasmin-induced migration requires signaling through protease-activated receptor 1 and integrin alpha(9)beta(1). <i>Journal of Biological Chemistry</i> , 2004 , 279, 37528-34	5.4	58
93	Critical role of integrin alpha 5 beta 1 in urokinase (uPA)/urokinase receptor (uPAR, CD87) signaling. <i>Journal of Biological Chemistry</i> , 2003 , 278, 29863-72	5.4	57
92	Critical cysteine residues for regulation of integrin alphallbbeta3 are clustered in the epidermal growth factor domains of the beta3 subunit. <i>Biochemical Journal</i> , 2004 , 378, 1079-82	3.8	57
91	Direct binding of the EGF-like domain of neuregulin-1 to integrins ($\alpha\beta$ 3 and $\alpha\beta$ 4) is involved in neuregulin-1/ErbB signaling. <i>Journal of Biological Chemistry</i> , 2010 , 285, 31388-98	5.4	54
90	Direct interaction of the kringle domain of urokinase-type plasminogen activator (uPA) and integrin alpha v beta 3 induces signal transduction and enhances plasminogen activation. <i>Thrombosis and Haemostasis</i> , 2006 , 95, 524-34	7	52
89	Rotaviruses interact with alpha4beta7 and alpha4beta1 integrins by binding the same integrin domains as natural ligands. <i>Journal of General Virology</i> , 2005 , 86, 3397-3408	4.9	51
88	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

87	Galectin-3 modulates phagocytosis-induced stellate cell activation and liver fibrosis in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, G439-46	5.1	49
86	Multiple ligand binding functions for VLA-2 (alpha 2 beta 1) and VLA-3 (alpha 3 beta 1) in the integrin family. <i>Cell Differentiation and Development</i> , 1990 , 32, 229-38		49
85	Enhanced activity of transforming growth factor β (TGF- β) bound to cartilage oligomeric matrix protein. <i>Journal of Biological Chemistry</i> , 2011 , 286, 43250-8	5.4	46
84	The role of the CPNKEKEC sequence in the beta(2) subunit I domain in regulation of integrin alpha(L)beta(2) (LFA-1). <i>Journal of Immunology</i> , 2002 , 168, 2296-301	5.3	43
83	Non-cytotoxic cobra cardiotoxin A5 binds to alpha(v)beta3 integrin and inhibits bone resorption. Identification of cardiotoxins as non-RGD integrin-binding proteins of the Ly-6 family. <i>Journal of Biological Chemistry</i> , 2006 , 281, 7937-45	5.4	42
82	Regulation of conformation and ligand binding function of integrin alpha5beta1 by the beta1 cytoplasmic domain. <i>Journal of Biological Chemistry</i> , 1996 , 271, 16580-5	5.4	42
81	Enhanced Expression of Integrin $\alpha\beta$ Induced by TGF- β s Required for the Enhancing Effect of Fibroblast Growth Factor 1 (FGF1) in TGF- β -Induced Epithelial-Mesenchymal Transition (EMT) in Mammary Epithelial Cells. <i>PLoS ONE</i> , 2015 , 10, e0137486	3.7	42
80	Interaction between collagen and the alpha(2) I-domain of integrin alpha(2)beta(1). Critical role of conserved residues in the metal ion-dependent adhesion site (MIDAS) region. <i>Journal of Biological Chemistry</i> , 1999 , 274, 32108-11	5.4	40
79	Involvement of beta2-microglobulin and integrin alphavbeta3 molecules in the coxsackievirus A9 infectious cycle. <i>Journal of General Virology</i> , 1999 , 80 (Pt 10), 2591-2600	4.9	40
78	A dominant-negative FGF1 mutant (the R50E mutant) suppresses tumorigenesis and angiogenesis. <i>PLoS ONE</i> , 2013 , 8, e57927	3.7	39
77	Role of integrin alpha(v)beta3 in the early phase of liver metastasis: PET and IVM analyses. <i>Clinical and Experimental Metastasis</i> , 2002 , 19, 717-25	4.7	37
76	Alpha 3 beta 1 adhesion to laminin-5 and invasin: critical and differential role of integrin residues clustered at the boundary between alpha 3 N-terminal repeats 2 and 3. <i>Biochemistry</i> , 1999 , 38, 14424-31 ^{3.2}		37
75	Differential regulation of cellular adhesion and migration by recombinant laminin-5 forms with partial deletion or mutation within the G3 domain of alpha3 chain. <i>Journal of Cellular Biochemistry</i> , 2003 , 88, 506-20	4.7	36
74	Three novel integrin beta3 subunit missense mutations (H280P, C560F, and G579S) in thrombasthenia, including one (H280P) prevalent in Japanese patients. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 251, 763-8	3.4	36
73	Optimization of RGD-Containing Cyclic Peptides against $\alpha\beta$ Integrin. <i>Molecular Cancer Therapeutics</i> , 2016 , 15, 232-40	6.1	34
72	Echovirus 1 interaction with the human very late antigen-2 (integrin alpha2beta1) I domain. Identification of two independent virus contact sites distinct from the metal ion-dependent adhesion site. <i>Journal of Biological Chemistry</i> , 1997 , 272, 28518-22	5.4	34
71	Structural basis of integrin-mediated signal transduction. <i>Matrix Biology</i> , 1997 , 16, 143-51	11.4	34
70	Expression level of integrin alpha 5 on tumour cells affects the rate of metastasis to the kidney. <i>British Journal of Cancer</i> , 2003 , 88, 327-33	8.7	34

69	Cross-talk between integrin $\alpha 5 \beta 1$ and insulin-like growth factor-1 receptor (IGF1R) through direct $\alpha 5 \beta 1$ binding to IGF1 and subsequent $\alpha 5 \beta 1$ -IGF1-IGF1R ternary complex formation in anchorage-independent conditions. <i>Journal of Biological Chemistry</i> , 2012 , 287, 12491-500	5-4	33
68	A novel activating anti-beta1 integrin monoclonal antibody binds to the cysteine-rich repeats in the beta1 chain. <i>Journal of Biological Chemistry</i> , 1996 , 271, 25099-106	5-4	33
67	Propolypeptide of von Willebrand factor is a novel ligand for very late antigen-4 integrin. <i>Journal of Biological Chemistry</i> , 1997 , 272, 8447-53	5-4	31
66	Rotavirus spike protein VP5* binds alpha2beta1 integrin on the cell surface and competes with virus for cell binding and infectivity. <i>Journal of General Virology</i> , 2006 , 87, 1275-1283	4-9	31
65	The COOH-terminal globular domain of fibrinogen gamma chain suppresses angiogenesis and tumor growth. <i>Cancer Research</i> , 2006 , 66, 9691-7	10-1	30
64	The role of alpha and beta chains in ligand recognition by beta 7 integrins. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25652-64	5-4	29
63	Crosstalk between insulin-like growth factor (IGF) receptor and integrins through direct integrin binding to IGF1. <i>Cytokine and Growth Factor Reviews</i> , 2017 , 34, 67-72	17-9	27
62	Attachment of human colon cancer cells to vascular endothelium is enhanced by N-acetylglucosaminyltransferase V. <i>Oncology</i> , 2004 , 66, 492-501	3-6	27
61	Intraperoxisomal and intramitochondrial localization, and assay of pyruvate (glyoxylate) aminotransferase from rat liver. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 1979 , 360, 919-27		27
60	Subcellular distribution, and physical and immunological properties of hepatic alanine: glyoxylate aminotransferase isoenzymes in different mammalian species. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1982 , 72, 597-604		27
59	Integrins $\alpha 5 \beta 1$ and $\alpha 4 \beta 1$ act as coreceptors for fractalkine, and the integrin-binding defective mutant of fractalkine is an antagonist of CX3CR1. <i>Journal of Immunology</i> , 2012 , 189, 5809-19	5-3	26
58	Effects on rotavirus cell binding and infection of monomeric and polymeric peptides containing alpha2beta1 and alphaXbeta2 integrin ligand sequences. <i>Journal of Virology</i> , 2004 , 78, 11786-97	6-6	26
57	Monkey rotavirus binding to alpha2beta1 integrin requires the alpha2 I domain and is facilitated by the homologous beta1 subunit. <i>Journal of Virology</i> , 2003 , 77, 9486-501	6-6	26
56	Insulin-like growth factor (IGF) signaling requires $\alpha 5 \beta 1$ -IGF1-IGF type 1 receptor (IGF1R) ternary complex formation in anchorage independence, and the complex formation does not require IGF1R and Src activation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 3059-69	5-4	25
55	An integrin binding-defective mutant of insulin-like growth factor-1 (R36E/R37E IGF1) acts as a dominant-negative antagonist of the IGF1 receptor (IGF1R) and suppresses tumorigenesis but still binds to IGF1R. <i>Journal of Biological Chemistry</i> , 2013 , 288, 19593-603	5-4	25
54	Fibrinogen-gamma C-terminal fragments induce endothelial barrier dysfunction and microvascular leak via integrin-mediated and RhoA-dependent mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 394-400	9-4	25
53	Determinants of the specificity of rotavirus interactions with the alpha2beta1 integrin. <i>Journal of Biological Chemistry</i> , 2011 , 286, 6165-74	5-4	25
52	Proinflammatory secreted phospholipase A2 type IIA (sPLA-IIA) induces integrin activation through direct binding to a newly identified binding site (site 2) in integrins $\alpha 5 \beta 1$, $\alpha 4 \beta 1$, and $\alpha 3 \beta 1$. <i>Journal of Biological Chemistry</i> , 2015 , 290, 259-71	5-4	24

51	High affinity interactions of Coxsackievirus A9 with integrin alphavbeta3 (CD51/61) require the CYDMKTTTC sequence of beta3, but do not require the RGD sequence of the CAV-9 VP1 protein. <i>Human Immunology</i> , 2000 , 61, 453-9	2.3	24
50	Integrin B β expressed by human colon cancer cells is a major carrier of oncodevelopmental carbohydrate epitopes 1999 , 72, 189-209		24
49	The effect of vitamin B6 deficiency on alanine: glyoxylate aminotransferase isoenzymes in rat liver. <i>Archives of Biochemistry and Biophysics</i> , 1984 , 229, 1-6	4.1	24
48	A serine-to-phenylalanine substitution leads to loss of alanine:glyoxylate aminotransferase catalytic activity and immunoreactivity in a patient with primary hyperoxaluria type 1. <i>Human Molecular Genetics</i> , 1992 , 1, 643-4	5.6	23
47	Silencing of DLC1 upregulates PAI-1 expression and reduces migration in normal prostate cells. <i>Molecular Cancer Research</i> , 2012 , 10, 34-9	6.6	21
46	ADAM12-mediated focal adhesion formation is differently regulated by beta1 and beta3 integrins. <i>FEBS Letters</i> , 2005 , 579, 5589-95	3.8	21
45	VLA-4 molecules on tumor cells initiate an adhesive interaction with VCAM-1 molecules on endothelial cell surface. <i>Japanese Journal of Cancer Research</i> , 1992 , 83, 1304-16		21
44	Novel point mutations in the alphaIIb subunit (Phe289-->Ser, Glu324-->Lys and Gln747-->Pro) causing thrombasthenic phenotypes in four Japanese patients. <i>British Journal of Haematology</i> , 1998 , 102, 829-40	4.5	19
43	Rotavirus-neutralizing antibodies inhibit virus binding to integrins alpha 2 beta 1 and alpha 4 beta 1. <i>Archives of Virology</i> , 2007 , 152, 1087-101	2.6	19
42	The binding of monomeric C-reactive protein (mCRP) to Integrins $\alpha\beta$ and $\alpha\beta$ is related to its pro-inflammatory action. <i>PLoS ONE</i> , 2014 , 9, e93738	3.7	18
41	The integrin-binding defective FGF2 mutants potently suppress FGF2 signalling and angiogenesis. <i>Bioscience Reports</i> , 2017 , 37,	4.1	17
40	The chemokine fractalkine can activate integrins without CX3CR1 through direct binding to a ligand-binding site distinct from the classical RGD-binding site. <i>PLoS ONE</i> , 2014 , 9, e96372	3.7	17
39	The evolution of peroxisomal and mitochondrial alanine: glyoxylate aminotransferase 1 in mammalian liver. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 108, 153-7	3.4	16
38	Novel peptide ligands for integrin alpha 4 beta 1 overexpressed in cancer cells. <i>Molecular Cancer Therapeutics</i> , 2004 , 3, 1329-34	6.1	16
37	The CD9, CD81, and CD151 EC2 domains bind to the classical RGD-binding site of integrin $\alpha\beta$. <i>Biochemical Journal</i> , 2017 , 474, 589-596	3.8	15
36	Model of the alphaLbeta2 integrin I-domain/ICAM-1 DI interface suggests that subtle changes in loop orientation determine ligand specificity. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002 , 48, 151-60	4.2	15
35	Platelet integrin alphaIIbbeta3-ligand interactions: what can we learn from the structure?. <i>International Journal of Hematology</i> , 2001 , 74, 382-9	2.3	15
34	A novel fibroblast growth factor-1 (FGF1) mutant that acts as an FGF antagonist. <i>PLoS ONE</i> , 2010 , 5, e10373	3.7	15

33	Stromal cell-derived factor-1 (CXCL12) activates integrins by direct binding to an allosteric ligand-binding site (site 2) of integrins without CXCR4. <i>Biochemical Journal</i> , 2018 , 475, 723-732	3.8	14
32	Enteric Species F Human Adenoviruses use Laminin-Binding Integrins as Co-Receptors for Infection of Ht-29 Cells. <i>Scientific Reports</i> , 2018 , 8, 10019	4.9	14
31	Identification of inhibitors against interaction between pro-inflammatory sPLA2-IIA protein and integrin $\alpha 5 \beta 1$. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 340-5	2.9	14
30	Identification of Equine Lactadherin-derived Peptides That Inhibit Rotavirus Infection via Integrin Receptor Competition. <i>Journal of Biological Chemistry</i> , 2015 , 290, 12403-14	5.4	14
29	Mutational analysis of cell cycle inhibition by integrin beta1C. <i>Journal of Biological Chemistry</i> , 1999 , 274, 8111-6	5.4	14
28	Integrin Binding to the Trimeric Interface of CD40L Plays a Critical Role in CD40/CD40L Signaling. <i>Journal of Immunology</i> , 2019 , 203, 1383-1391	5.3	13
27	Direct binding to integrins and loss of disulfide linkage in interleukin-1 α are involved in the agonistic action of IL-1 α . <i>Journal of Biological Chemistry</i> , 2017 , 292, 20067-20075	5.4	12
26	Glutamate-glyoxylate aminotransferase in rat liver cytosol. Purification, properties and identity with alanine-2-oxoglutarate aminotransferase. <i>Hoppe-Seyler's Zeitschrift für Physiologische Chemie</i> , 1977 , 358, 1533-42		12
25	Expression of integrins to control migration direction of electrotaxis. <i>FASEB Journal</i> , 2019 , 33, 9131-9140	6.9	11
24	Metabolism of urea and glyoxylate, degradative products of purines in marine animals. <i>Journal of Biochemistry</i> , 1982 , 92, 525-9	3.1	10
23	Ligand-induced Epitope Masking: DISSOCIATION OF INTEGRIN $\alpha 5 \beta 1$ -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
22	Tunable hydrogels for mesenchymal stem cell delivery: Integrin-induced transcriptome alterations and hydrogel optimization for human wound healing. <i>Stem Cells</i> , 2020 , 38, 231-245	5.8	9
21	A T cell-binding fragment of fibrinogen can prevent autoimmunity. <i>Journal of Autoimmunity</i> , 2010 , 34, 453-9	15.5	9
20	Effects of fibronectin cleaved by neuropsin on cell adhesion and migration. <i>Neuroscience Research</i> , 2001 , 39, 247-51	2.9	9
19	Aromatic-amino acid-glyoxylate aminotransferase from rat liver. <i>Methods in Enzymology</i> , 1987 , 142, 273-9	2.7	8
18	Secreted Phospholipase A2 Type IIA (sPLA2-IIA) Activates Integrins in an Allosteric Manner. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 925, 103-115	3.6	8
17	Identification of proteins that associate with integrin $\alpha 5 \beta 1$ by proteomic analysis in human fibrosarcoma HT-1080 cells. <i>Journal of Cellular Physiology</i> , 2012 , 227, 3072-9	7	7
16	Direct integrin binding to insulin-like growth factor-2 through the C-domain is required for insulin-like growth factor receptor type 1 (IGF1R) signaling. <i>PLoS ONE</i> , 2017 , 12, e0184285	3.7	6

15	Crosstalk between Fibroblast Growth Factor (FGF) Receptor and Integrin through Direct Integrin Binding to FGF and Resulting Integrin-FGF-FGFR Ternary Complex Formation. <i>Medical Sciences (Basel, Switzerland)</i> , 2013 , 1, 20-36	3.3	6
14	Chinese hamster ovary cells expressing alpha4beta1 integrin stimulate osteoclast formation in vitro. <i>Journal of Bone and Mineral Research</i> , 1998 , 13, 1251-9	6.3	6
13	Anti-Monomeric C-Reactive Protein Antibody Ameliorates Arthritis and Nephritis in Mice. <i>Journal of Immunology</i> , 2021 , 207, 1755-1762	5.3	5
12	Identification of putative ligand binding sites within I domain of integrin $\alpha 2$ (VLA-2,CD49b/CD29).. <i>Journal of Biological Chemistry</i> , 1996 , 271, 19008	5.4	4
11	Increase in hepatic pyruvate (glyoxylate) aminotransferase activity on administration of clofibrate to the rat. <i>Biochemical Pharmacology</i> , 1981 , 30, 393-4	6	4
10	Potential role of kringle-integrin interaction in plasmin and uPA actions (a hypothesis). <i>Journal of Biomedicine and Biotechnology</i> , 2012 , 2012, 136302		3
9	Kidney alanine: Glyoxylate aminotransferase isoenzymes; species distribution, subcellular distribution and properties. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1980 , 65, 133-138		3
8	Enzymatic and immunological comparison of alanine: glyoxylate aminotransferases from different fish and mammalian livers. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1984 , 77, 279-83		2
7	Soluble CD40L activates soluble and cell-surface integrin $\alpha 3$, $\beta 1$, and $\alpha 4$ by binding to the allosteric ligand-binding site (site 2). <i>Journal of Biological Chemistry</i> , 2021 , 296, 100399	5.4	2
6	A novel monoclonal antibody recognizing a cation-dependent epitope within the regulatory loop of human beta(1) integrin (CD29). <i>Hybridoma</i> , 2002 , 21, 253-60		1
5	Purification, characterization and identification of aromatic 2-oxo acid reductase. <i>Life Sciences</i> , 1977 , 20, 609-16	6.8	1
4	THE CELL TO CELL INTERACTION OF BREAST CANCER CELLS REGULATES CANCER INVASION VIA ADAM15. <i>American Journal of Immunology</i> , 2012 , 8, 123-135	0.3	
3	The effect of the truncated fibrinogen fragment $\alpha 399$ tr on tumor growth in the Met-1 mouse mammary tumor model. <i>FASEB Journal</i> , 2007 , 21, A385	0.9	
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