

CITATION REPORT

List of articles citing

Integrins: bidirectional, allosteric signaling machines

DOI: 10.1016/s0092-8674(02)00971-6
Cell, 2002, 110, 673-87.

Source: <https://exaly.com/paper-pdf/34202853/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2221	RECENSIONI: La prova dei pianeti. 1969 , 3, 648-648		
2220	Fibronectins: multifunctional modular glycoproteins. 1982 , 95, 369-77		1180
2219	Perpetuated Youth and Self-sanctification: Historico-anthropological Deliberations on the Transformation of Youth and Concepts of Identity. 1991 , 38, 345-356		
2218	Profiling of transcripts and proteins modulated by K-ras oncogene in the lung tissues of K-ras transgenic mice by omics approaches. 1992 , 34, 161		2
2217	MYCN downregulates integrin $\beta 1$ to promote invasion of human neuroblastoma cells. 1992 , 33, 815		
2216	Survival advantages of multicellular spheroids vs. monolayers of HepG2 cells in vitro. 1994 , 20, 1465		12
2215	Inhibition of TGF- $\beta 1$ suppresses motility and invasiveness of oral squamous cell carcinoma cell lines via modulation of integrins and down-regulation of matrix-metalloproteinases. 1994 , 21, 205		3
2214	Management of Calcium-Phosphate metabolism in CRI-patients. 2000 , 15, 43-44		
2213	Platelet immunology: structure, functions, and polymorphisms of membrane glycoproteins. 2001 , 21-36		
2212	The fibronectin-binding integrins $\alpha 5\beta 1$ and $\alpha v\beta 3$ differentially modulate RhoA-GTP loading, organization of cell matrix adhesions, and fibronectin fibrillogenesis. 2002 , 159, 1071-86		262
2211	The αv integrin antagonists as novel anticancer agents: an update. 2002 , 11, 1765-74		46
2210	Integrin activation takes shape. 2002 , 158, 833-9		261
2209	Stick and grip: measurement systems and quantitative analyses of integrin-mediated cell adhesion strength. 2003 , 39, 61-73		69
2208	1H , ^{13}C and ^{15}N backbone resonance assignment of the integrin $\alpha 2$ I-domain. 2003 , 27, 191-2		1
2207	New insights into syndecan-2 expression and tumourigenic activity in colon carcinoma cells. 2004 , 35, 319-26		30
2206	Integrin signalling and the cellular response to ionizing radiation. 2004 , 35, 327-37		22
2205	Integrins in mammary gland development and differentiation of mammary epithelium. 2003 , 8, 383-94		75

2204	Integrin signaling and mammary cell function. 2003 , 8, 395-408	27
2203	T Cell Integrin Overexpression as a Model of Murine Autoimmunity. 2003 , 5, 211-221	4
2202	Changing neighbours, changing behaviour: cell adhesion molecule-mediated signalling during tumour progression. 2003 , 22, 2318-23	196
2201	The integrin-actin connection, an eternal love affair. 2003 , 22, 2324-33	367
2200	Structure of integrin alpha5beta1 in complex with fibronectin. 2003 , 22, 4607-15	272
2199	Talin binding to integrin beta tails: a final common step in integrin activation. 2003 , 302, 103-6	994
2198	A genomewide survey of developmentally relevant genes in <i>Ciona intestinalis</i> . X. Genes for cell junctions and extracellular matrix. 2003 , 213, 303-13	92
2197	Platelets with wings: the maturation of <i>Drosophila</i> integrin biology. 2003 , 15, 607-13	56
2196	Synaptic adhesion molecules. 2003 , 15, 621-32	292
2195	Mapping functional residues onto integrin crystal structures. 2003 , 13, 236-43	65
2194	Extracellular matrix in vascular morphogenesis and disease: structure versus signal. 2003 , 13, 51-6	94
2193	Disulfide bonds as switches for protein function. 2003 , 28, 210-4	463
2192	Integrin structure: heady advances in ligand binding, but activation still makes the knees wobble. 2003 , 28, 313-20	113
2191	Matrix reloaded to circulation hits the tumor target. 2003 , 3, 513-4	8
2190	A centrifugation cell adhesion assay for high-throughput screening of biomaterial surfaces. 2003 , 67, 328-33	143
2189	Modulation of VE-cadherin and PECAM-1 mediated cell-cell adhesions by mitogen-activated protein kinases. 2003 , 90, 121-37	37
2188	Differential expression of beta3 integrin gene in chick and mouse cranial neural crest cells. 2003 , 227, 309-13	15
2187	EGF-stimulated signaling by means of PI3K, PLCgamma1, and PKC isozymes regulates branching morphogenesis of the fetal mouse submandibular gland. 2003 , 227, 216-26	44

2186	The HIV protease inhibitor indinavir reduces immature dendritic cell transendothelial migration. 2003 , 33, 2520-30	8
2185	Kombinatorische Flüssigphasensynthese von Bibliotheken: auf der Suche nach Modulatoren für Protein-Protein- und Protein-DNA-Wechselwirkungen in der zellulären Signaltransduktion. 2003 , 115, 4270-4309	31
2184	The quest for the function of simple epithelial keratins. 2003 , 25, 748-58	90
2183	Cross-talk between Fc receptors and integrins. 2003 , 90, 137-43	47
2182	Cell adhesion in cancer. 2003 , 4, 289-304	18
2181	Assembling atomic resolution views of the immunological synapse. 2003 , 15, 286-93	4
2180	Haemocytes from <i>Pseudoplusia includens</i> express multiple alpha and beta integrin subunits. 2003 , 12, 441-52	88
2179	Integrins, cations and ligands: making the connection. 2003 , 1, 1642-54	61
2178	Src kinase has a central role in in vitro cellular internalization of <i>Staphylococcus aureus</i> . 2003 , 5, 417-26	47
2177	Review article: the expanding role of biological agents in the treatment of inflammatory bowel disease - focus on selective adhesion molecule inhibition. 2003 , 17, 1435-50	33
2176	Integrin-dependent pathologies. 2003 , 200, 481-7	84
2175	Integrins in regulation of tissue development and function. 2003 , 200, 471-80	95
2174	Functional structure and composition of the extracellular matrix. 2003 , 200, 423-8	464
2173	Integrins in regulation of tissue development and function. 2003 , 201, 632-41	180
2172	Structural and functional insights into PINCH LIM4 domain-mediated integrin signaling. 2003 , 10, 558-64	55
2171	Irradiation differentially affects substratum-dependent survival, adhesion, and invasion of glioblastoma cell lines. 2003 , 89, 2122-32	88
2170	A statin-based inhibitor of lymphocyte function antigen-1 protects against ischemia/reperfusion-induced leukocyte adhesion in the colon. 2003 , 140, 395-401	25
2169	Selective imprinting of gut-homing T cells by Peyer's patch dendritic cells. 2003 , 424, 88-93	902

2168	Class 3 semaphorins control vascular morphogenesis by inhibiting integrin function. 2003 , 424, 391-7	492
2167	Semaphorin 7A promotes axon outgrowth through integrins and MAPKs. 2003 , 424, 398-405	396
2166	Integrin-linked kinase regulates chondrocyte shape and proliferation. 2003 , 4, 432-8	157
2165	Integrin-alpha3 mediates binding of Chordin to the cell surface and promotes its endocytosis. 2003 , 4, 813-8	12
2164	Axis of evil: molecular mechanisms of cancer metastasis. 2003 , 22, 6524-36	479
2163	Talin forges the links between integrins and actin. 2003 , 5, 694-7	119
2162	The sirens' call. 2003 , 5, 697-9	10
2161	The nature of molecular recognition by T cells. 2003 , 4, 217-24	179
2160	Tumour-cell invasion and migration: diversity and escape mechanisms. 2003 , 3, 362-74	2357
2159	Basement membranes: structure, assembly and role in tumour angiogenesis. 2003 , 3, 422-33	1290
2158	Therapeutic antagonists and conformational regulation of integrin function. 2003 , 2, 703-16	254
2157	Photocontrol of cell adhesion processes: model studies with cyclic azobenzene-RGD peptides. 2003 , 10, 487-90	57
2156	Adhesion-dependent cell mechanosensitivity. 2003 , 19, 677-95	697
2155	Moléculas de adhesi3 celular en dermatolog3. 2003 , 18, 541-547	1
2154	Mechanobiology and diseases of mechanotransduction. 2003 , 35, 564-77	597
2153	Involvement of integrins and Src in tauroursodeoxycholate-induced and swelling-induced choleresis. 2003 , 124, 1476-87	94
2152	The effects of estrogen, its antagonist ICI 182, 780, and interferon-tau on the expression of estrogen receptors and integrin alphaV beta 3 on cycle day 16 in bovine endometrium. 2003 , 1, 38	8
2151	Processing of alpha4 integrin by the proprotein convertases: histidine at position P6 regulates cleavage. 2003 , 373, 475-84	55

2150	Mass spectrometric based mapping of the disulfide bonding patterns of integrin alpha chains. 2003 , 42, 12950-9	24
2149	Domain-specific interactions of talin with the membrane-proximal region of the integrin beta3 subunit. 2003 , 42, 8307-12	72
2148	Integrin alphavbeta3 mediates platelet-derived growth factor-BB-stimulated collagen gel contraction in cells expressing signaling deficient integrin alpha2beta1. 2003 , 291, 463-73	25
2147	Galectin-1 interacts with beta-1 subunit of integrin. 2003 , 310, 1010-6	101
2146	Anastellin, an FN3 fragment with fibronectin polymerization activity, resembles amyloid fibril precursors. 2003 , 332, 205-15	67
2145	Essential role of glycosaminoglycans in Fgf signaling during mouse gastrulation. <i>Cell</i> , 2003 , 114, 727-37	56.2 104
2144	Activation of Rac and tyrosine phosphorylation of cytokine receptors induced by cross-linking of integrin alpha4beta1 and cell adhesion in hematopoietic cells. 2003 , 301, 934-40	11
2143	Blocking of alpha 5 integrin stimulates production of TGF-beta and PAI-1 by human mesangial cells. 2003 , 305, 815-9	5
2142	Different isoforms of PRIP-interacting protein with methyltransferase domain/trimethylguanosine synthase localizes to the cytoplasm and nucleus. 2003 , 309, 44-51	19
2141	Inhibition of alpha4-integrin stimulates epicardial-mesenchymal transformation and alters migration and cell fate of epicardially derived mesenchyme. 2003 , 257, 315-28	42
2140	Two laminin receptors with N-acetylglucosamine-binding specificity. 2003 , 85, 231-9	2
2139	An unraveling tale of how integrins are activated from within. 2003 , 24, 192-7	57
2138	Alpha4 integrins as therapeutic targets in autoimmune disease. 2003 , 348, 68-72	253
2137	Positional control of cell fate through joint integrin/receptor protein kinase signaling. 2003 , 19, 173-206	302
2136	The RGD story: a personal account. 2003 , 22, 459-65	148
2135	Cell adhesion in development: a complex signaling network. 2003 , 13, 365-71	98
2134	Macrophage--Mycobacterium tuberculosis interactions: role of complement receptor 3. 2003 , 35, 125-31	65
2133	Integrins in epithelial cell polarity: using antibodies to analyze adhesive function and morphogenesis. 2003 , 30, 235-46	26

2132	Structure of the semaphorin-3A receptor binding module. 2003 , 39, 589-98	131
2131	Platelets in hemostasis and thrombosis: role of integrins and their ligands. 2003 , 28, 257-64	126
2130	DNA methylation and autoimmune disease. 2003 , 109, 72-9	177
2129	The role of laminin in embryonic cell polarization and tissue organization. 2003 , 4, 613-24	231
2128	A role for alphabeta1 integrins in focal adhesion function and polarized cytoskeletal dynamics. 2003 , 5, 415-27	64
2127	Molecular biology in diagnostic histopathology: Part II Cell adhesion molecules. 2003 , 9, 313-321	4
2126	Ionizing radiation modulates the expression and tyrosine phosphorylation of the focal adhesion-associated proteins focal adhesion kinase (FAK) and its substrates p130cas and paxillin in A549 human lung carcinoma cells in vitro. 2003 , 79, 721-31	39
2125	ARF Family GTPases. 2003 ,	6
2124	Activation of integrin alphaIIb beta3 by modulation of transmembrane helix associations. 2003 , 300, 795-8	270
2123	Novel approaches to treating inflammatory bowel disease: targeting alpha-4 integrin. 2003 , 98, 2372-82	81
2122	Identification of mutations in a new gene encoding a FERM family protein with a pleckstrin homology domain in Kindler syndrome. 2003 , 12, 925-35	177
2121	Integrin-specific signaling pathways controlling focal adhesion formation and cell migration. 2003 , 161, 155-67	176
2120	Analysis of PINCH function in Drosophila demonstrates its requirement in integrin-dependent cellular processes. 2003 , 130, 2611-21	93
2119	Integrin beta cytoplasmic domain interactions with phosphotyrosine-binding domains: a structural prototype for diversity in integrin signaling. 2003 , 100, 2272-7	338
2118	Cytoskeleton-plasma membrane-cell wall continuum in plants. Emerging links revisited. 2003 , 133, 482-91	236
2117	Multiphoton microscopy: an optical approach to understanding and resolving sulfur mustard lesions. 2003 , 8, 396-409	14
2116	Integrin-linked kinase (ILK) is required for polarizing the epiblast, cell adhesion, and controlling actin accumulation. 2003 , 17, 926-40	316
2115	Phosphatidylinositol phosphate kinase type 1gamma and beta1-integrin cytoplasmic domain bind to the same region in the talin FERM domain. 2003 , 278, 31202-9	78

2114	Reduced chondrocyte proliferation and chondrodysplasia in mice lacking the integrin-linked kinase in chondrocytes. 2003 , 162, 139-48	192
2113	The vimentin cytoskeleton regulates focal contact size and adhesion of endothelial cells subjected to shear stress. 2003 , 116, 4977-84	186
2112	Crucial role of the specificity-determining loop of the integrin beta4 subunit in the binding of cells to laminin-5 and outside-in signal transduction. 2003 , 278, 38707-14	26
2111	Talin loss-of-function uncovers roles in cell contractility and migration in <i>C. elegans</i> . 2003 , 116, 3871-8	94
2110	Suprabasal alpha6beta4 integrin expression in epidermis results in enhanced tumourigenesis and disruption of TGFbeta signalling. 2003 , 116, 3783-91	82
2109	Old dogs and new tricks: proteases, inhibitors, and cell migration. 2003 , 2003, pe24	29
2108	Src kinase activation by direct interaction with the integrin beta cytoplasmic domain. 2003 , 100, 13298-302	452
2107	Detection of integrin alpha IIb beta 3 clustering in living cells. 2003 , 278, 15217-24	63
2106	Integrins: sensors of extracellular matrix and modulators of cell function. 2003 , 94, e77-84	43
2105	Cell biology of bladder development and the role of the extracellular matrix. 2003 , 95, e129-33	3
2104	Requirement of the p130CAS-Crk coupling for metastasis suppressor KAI1/CD82-mediated inhibition of cell migration. 2003 , 278, 27319-28	71
2103	Latent transforming growth factor-beta-binding protein 2 is an adhesion protein for melanoma cells. 2003 , 278, 24705-13	49
2102	High affinity ligand binding by integrins does not involve head separation. 2003 , 278, 17185-9	13
2101	Structural biology. Changing partners. 2003 , 300, 755-6	29
2100	Expression of the integrin subunit alpha8 in murine lung development. 2003 , 51, 1307-15	22
2099	Adhesion of monocytes to medical steel as used for vascular stents is mediated by the integrin receptor Mac-1 (CD11b/CD18; alphaM beta2) and can be inhibited by semiconductor coating. 2003 , 10, 17-26	30
2098	Generation of a monoclonal antibody to a cryptic site common to both integrin beta1 as well as gelatinase MMP9. 2003 , 22, 285-92	2
2097	Role of ADMIDAS cation-binding site in ligand recognition by integrin alpha 5 beta 1. 2003 , 278, 51622-9	77

2096	Stabilizing the open conformation of the integrin headpiece with a glycan wedge increases affinity for ligand. 2003 , 100, 2403-8	125
2095	Involvement of integrins in osmosensing and signaling toward autophagic proteolysis in rat liver. 2003 , 278, 27088-95	83
2094	The coxsackie B virus and adenovirus receptor resides in a distinct membrane microdomain. 2003 , 77, 2559-67	46
2093	Structure of an integrin-ligand complex deduced from solution x-ray scattering and site-directed mutagenesis. 2003 , 278, 39993-9	87
2092	Platelet and osteoclast beta3 integrins are critical for bone metastasis. 2003 , 100, 14205-10	194
2091	CD49d overexpression and T cell autoimmunity. 2003 , 171, 745-53	7
2090	Recruitment of complement factor H-like protein 1 promotes intracellular invasion by group A streptococci. 2003 , 71, 7119-28	65
2089	Deletion of alpha4 integrins from adult hematopoietic cells reveals roles in homeostasis, regeneration, and homing. 2003 , 23, 9349-60	262
2088	Specific beta1 integrin site selectively regulates Akt/protein kinase B signaling via local activation of protein phosphatase 2A. 2003 , 278, 18671-81	77
2087	Adhesion-dependent activation of the ERK1/2 cascade is by-passed in melanoma cells. 2003 , 278, 34548-54	45
2086	Vipera lebetina venom contains two disintegrins inhibiting laminin-binding beta1 integrins. 2003 , 278, 26488-96	39
2085	Conformational changes in the integrin beta A domain provide a mechanism for signal transduction via hybrid domain movement. 2003 , 278, 17028-35	100
2084	Recognition of the N-terminal modules of thrombospondin-1 and thrombospondin-2 by alpha6beta1 integrin. 2003 , 278, 40679-87	81
2083	Beta1 integrins regulate chondrocyte rotation, G1 progression, and cytokinesis. 2003 , 17, 2465-79	228
2082	Cyclin-dependent kinase 5 and neuronal migration in the neocortex. 2003 , 12, 173-9	41
2081	Nanotexturing gold surfaces with dendrimers for selective cell adhesion.	
2080	Urokinase receptor and integrin interactions. 2003 , 9, 1565-74	86
2079	Structure-function relationships in the interaction between the urokinase-type plasminogen activator and its receptor. 2003 , 9, 1499-528	133

2078	Integrin alpha4beta1 regulates migration across basement membranes by lung fibroblasts: a role for phosphatase and tensin homologue deleted on chromosome 10. 2003 , 168, 436-42	116
2077	Multiphoton imaging: a view to understanding sulfur mustard lesions. 2003 ,	1
2076	. 2003 , 6, 335-349	
2075	The alpha2beta1 integrin inhibitor rhodocetin binds to the A-domain of the integrin alpha2 subunit proximal to the collagen-binding site. 2003 , 376, 77-85	65
2074	Molecular mechanisms of lung cell activation induced by cyclic stretch. 2003 , 31, S200-6	77
2073	Bibliography Current World Literature. 2003 , 6, 335-349	
2072	Hypotonicity induces membrane protrusions and actin remodeling via activation of small GTPases Rac and Cdc42 in Rat-1 fibroblasts. 2003 , 285, C935-44	27
2071	Multiple integrin-ligand interactions synergize in shear-resistant platelet adhesion at sites of arterial injury in vivo. 2003 , 102, 4021-7	106
2070	Modular proteins at the cell surface. 2003 , 31, 1107-14	13
2069	Microarray assessment of fibronectin, collagen and integrin expression and the role of fibronectin-collagen coating in the growth of normal, SV40 T-antigen-immortalised and malignant human oral keratinocytes. 2003 , 31, 575-85	5
2068	Integrins in the development, function and dysfunction of the nervous system. 2003 , 8, d723-50	80
2067	Dimensions and dynamics in integrin function. 2003 , 36, 959-66	141
2066	Modulation of epithelial tubule formation by Rho kinase. 2004 , 286, C857-66	11
2065	Differential expression of collagen- and laminin-binding integrins mediates ureteric bud and inner medullary collecting duct cell tubulogenesis. 2004 , 287, F602-11	59
2064	Critical residues for ligand binding in blade 2 of the propeller domain of the integrin alphaIIb subunit. 2004 , 91, 111-8	5
2063	The sculpturing role of fibroblast-like cells in morphogenesis. 2004 , 47, 339-56	35
2062	Integrins. 2004 , 609-632	0
2061	Group A streptococcal invasion of host cells. 2004 , 239-274	7

2060	Regulation of endothelial cell function BY FAK and PYK2. 2004 , 9, 1254-66	56
2059	Sticky worms: adhesion complexes in <i>C. elegans</i> . 2004 , 117, 1885-97	65
2058	Murine tenascin-W: a novel mammalian tenascin expressed in kidney and at sites of bone and smooth muscle development. 2004 , 117, 571-81	73
2057	alpha4beta1- and alpha6beta1-integrins are functional receptors for midkine, a heparin-binding growth factor. 2004 , 117, 5405-15	99
2056	Contribution of the hemostatic system to angiogenesis in cancer. 2004 , 30, 5-20	50
2055	Rap1 promotes cell spreading by localizing Rac guanine nucleotide exchange factors. 2004 , 167, 111-22	216
2054	The phosphorylation of vinculin on tyrosine residues 100 and 1065, mediated by SRC kinases, affects cell spreading. 2004 , 15, 4234-47	68
2053	Characterization of mice lacking the tetraspanin superfamily member CD151. 2004 , 24, 5978-88	151
2052	Integrin alpha3beta1 directs the stabilization of a polarized lamellipodium in epithelial cells through activation of Rac1. 2004 , 117, 3947-59	112
2051	Single-chain antibodies for the conformation-specific blockade of activated platelet integrin alphalbbeta3 designed by subtractive selection from naive human phage libraries. 2004 , 18, 1704-6	75
2050	Adhesion-independent alpha6beta4 integrin clustering is mediated by phosphatidylinositol 3-kinase. 2004 , 64, 7395-8	20
2049	Alpha v beta 3 integrin expression in human odontoblasts and co-localization with osteoadherin. 2004 , 83, 552-6	25
2048	Coordination of chondrocyte differentiation and joint formation by alpha5beta1 integrin in the developing appendicular skeleton. 2004 , 131, 4735-42	58
2047	Competition for talin results in trans-dominant inhibition of integrin activation. 2004 , 279, 28889-95	91
2046	Function-blocking integrin alphavbeta6 monoclonal antibodies: distinct ligand-mimetic and nonligand-mimetic classes. 2004 , 279, 17875-87	118
2045	A novel adaptation of the integrin PSI domain revealed from its crystal structure. 2004 , 279, 40252-4	80
2044	Locking the beta3 integrin I-like domain into high and low affinity conformations with disulfides. 2004 , 279, 10215-21	82
2043	Focal adhesion kinase is not required for integrin function or viability in <i>Drosophila</i> . 2004 , 131, 5795-805	53

2042	Binding Affinity of Metal Ions to the CD11b A-domain Is Regulated by Integrin Activation and Ligands. 2004 , 279, 25483-8	52
2041	Expression of sialyl-Tn epitopes on beta1 integrin alters epithelial cell phenotype, proliferation and haptotaxis. 2004 , 117, 5059-69	61
2040	The LIM-only proteins FHL2 and FHL3 interact with alpha- and beta-subunits of the muscle alpha7beta1 integrin receptor. 2004 , 279, 28641-52	79
2039	Reversibility versus persistence of GPIIb/IIIa blocker-induced conformational change of GPIIb/IIIa (alphaIIb beta3, CD41/CD61). 2004 , 308, 1002-11	42
2038	Integrin-linked kinase regulates endothelial cell survival and vascular development. 2004 , 24, 8134-44	119
2037	Integrin-linked kinase regulates the nuclear entry of the c-Jun coactivator alpha-NAC and its coactivation potency. 2004 , 279, 43893-9	44
2036	ARAP3 is transiently tyrosine phosphorylated in cells attaching to fibronectin and inhibits cell spreading in a RhoGAP-dependent manner. 2004 , 117, 6071-84	53
2035	Integrin beta3 overexpression suppresses tumor growth in a human model of gliomagenesis: implications for the role of beta3 overexpression in glioblastoma multiforme. 2004 , 64, 2751-8	51
2034	Conditional beta1-integrin gene deletion in neural crest cells causes severe developmental alterations of the peripheral nervous system. 2004 , 131, 3871-83	57
2033	RanBPM is a phosphoprotein that associates with the plasma membrane and interacts with the integrin LFA-1. 2004 , 279, 13027-34	79
2032	Integrins: dynamic scaffolds for adhesion and signaling in platelets. 2004 , 104, 1606-15	445
2031	Macrophages from lupus-prone MRL mice are characterized by abnormalities in Rho activity, cytoskeletal organization, and adhesiveness to extracellular matrix proteins. 2004 , 76, 971-84	10
2030	Integrin activation. 2004 , 117, 657-66	378
2029	Redistribution of integrins in tubular epithelial cells during diabetic glycogen nephrosis. 2004 , 98, e22-30	6
2028	Selective modulation of type 1 insulin-like growth factor receptor signaling and functions by beta1 integrins. 2004 , 166, 407-18	73
2027	Involvement of raft-like plasma membrane domains of <i>Entamoeba histolytica</i> in pinocytosis and adhesion. 2004 , 72, 5349-57	54
2026	Induction of endothelial cell activation by a triple helical alpha2beta integrin ligand, derived from type I collagen alpha1(I)496-507. 2004 , 279, 952-62	19
2025	Connective tissue growth factor (CCN2) induces adhesion of rat activated hepatic stellate cells by binding of its C-terminal domain to integrin alpha(v)beta(3) and heparan sulfate proteoglycan. 2004 , 279, 8848-55	196

2024	Wounding induces motility in sheets of corneal epithelial cells through loss of spatial constraints: role of heparin-binding epidermal growth factor-like growth factor signaling. 2004 , 279, 24307-12	107
2023	Quantifying the effects of molecular orientation and length on two-dimensional receptor-ligand binding kinetics. 2004 , 279, 44915-23	88
2022	The integrin alpha L beta 2 hybrid domain serves as a link for the propagation of activation signal from its stalk regions to the I-like domain. 2004 , 279, 54334-9	25
2021	Involvement of integrins and Src in insulin signaling toward autophagic proteolysis in rat liver. 2004 , 279, 21294-301	62
2020	Membrane-mediated structural transitions at the cytoplasmic face during integrin activation. 2004 , 101, 4094-9	109
2019	Intracellular and cell surface localization of a complex between alphaMbeta2 integrin and promatrix metalloproteinase-9 progelatinase in neutrophils. 2004 , 172, 7060-8	51
2018	Activation of integrin beta-subunit I-like domains by one-turn C-terminal alpha-helix deletions. 2004 , 101, 2333-8	56
2017	Identification of integrin beta subunit mutations that alter heterodimer function in situ. 2004 , 15, 3829-40	33
2016	Smad2 mediates Erk1/2 activation by TGF- β 1 in suspended, but not in adherent, gastric carcinoma cells. 2004 , 24, 1229	3
2015	Fibronectin Alters Cell Survival and Intracellular Signaling of Confluent A549 Cultures After Irradiation. 2004 , 3, 47-53	51
2014	Lipid rafts and integrin activation regulate oligodendrocyte survival. 2004 , 24, 3816-25	87
2013	LFA-1 contributes an early signal for NK cell cytotoxicity. 2004 , 173, 3653-9	213
2012	Differential modulation of human melanoma cell metalloproteinase expression by alpha2beta1 integrin and CD44 triple-helical ligands derived from type IV collagen. 2004 , 279, 43503-13	48
2011	Responses of fibroblasts to anchorage of dorsal extracellular matrix receptors. 2004 , 101, 18024-9	222
2010	Cholesterol-independent interactions with CD47 enhance alphavbeta3 avidity. 2004 , 279, 17301-11	36
2009	VP7 mediates the interaction of rotaviruses with integrin alphavbeta3 through a novel integrin-binding site. 2004 , 78, 10839-47	48
2008	Phosphorylation of actopaxin regulates cell spreading and migration. 2004 , 166, 901-12	41
2007	L-selectin-mediated leukocyte tethering in shear flow is controlled by multiple contacts and cytoskeletal anchorage facilitating fast rebinding events. 2004 , 101, 6940-5	29

2006	Dimerization of the transmembrane domain of Integrin alphaIIb subunit in cell membranes. 2004 , 279, 26666-73	128
2005	Introduction of bisecting GlcNAc into integrin alpha5beta1 reduces ligand binding and down-regulates cell adhesion and cell migration. 2004 , 279, 19747-54	135
2004	The integrin alpha-subunit leg extends at a Ca ²⁺ -dependent epitope in the thigh/genu interface upon activation. 2004 , 101, 15422-7	49
2003	Allosteric beta1 integrin antibodies that stabilize the low affinity state by preventing the swing-out of the hybrid domain. 2004 , 279, 27466-71	60
2002	Structural and functional analysis of integrin alpha2I domain interaction with echovirus 1. 2004 , 279, 11632-8	50
2001	Integrin beta3 regions controlling binding of murine mAb 7E3: implications for the mechanism of integrin alphaIIbbeta3 activation. 2004 , 101, 13114-20	74
2000	Effects on rotavirus cell binding and infection of monomeric and polymeric peptides containing alpha2beta1 and alphaXbeta2 integrin ligand sequences. 2004 , 78, 11786-97	26
1999	Disabled-2 is a negative regulator of integrin alpha(IIb)beta(3)-mediated fibrinogen adhesion and cell signaling. 2004 , 279, 42279-89	48
1998	Distinct roles of ligand affinity and cytoskeletal anchorage in alphaIIbbeta3 (GP IIb/IIIa)-mediated cell aggregation and adhesion. 2004 , 15, 427-38	11
1997	Magnetic Cellular Switches. 2004 , 40, 2958-2960	5
1996	Structures of axon guidance molecules and their neuronal receptors. 2004 , 68, 65-106	12
1995	Common cues in vascular and axon guidance. 2004 , 19, 348-54	29
1994	Interactions of foot-and-mouth disease virus with soluble bovine alphaVbeta3 and alphaVbeta6 integrins. 2004 , 78, 9773-81	47
1993	Integrins and T cell-mediated immunity. 2004 , 22, 157-80	189
1992	Ectoplasmic specialization, a testis-specific cell-cell actin-based adherens junction type: is this a potential target for male contraceptive development?. 2004 , 10, 349-69	107
1991	The calcium-dependent activity of large-conductance, calcium-activated K ⁺ channels is enhanced by Pyk2- and Hck-induced tyrosine phosphorylation. 2004 , 287, C698-706	32
1990	Regulation of MDCK cell-substratum adhesion by RhoA and myosin light chain kinase after ATP depletion. 2004 , 286, C693-707	29
1989	Lamellipodium extension and cadherin adhesion: two cell responses to cadherin activation relying on distinct signalling pathways. 2004 , 117, 257-70	121

1988	Alpha 3 beta 1 integrin promotes keratinocyte cell survival through activation of a MEK/ERK signaling pathway. 2004 , 117, 4043-54	351
1987	Overexpression of focal adhesion kinase in vascular endothelial cells promotes angiogenesis in transgenic mice. 2004 , 64, 421-30	76
1986	alpha3beta1 integrin modulates neuronal migration and placement during early stages of cerebral cortical development. 2004 , 131, 6023-31	87
1985	c-Myc controls the balance between hematopoietic stem cell self-renewal and differentiation. 2004 , 18, 2747-63	573
1984	Overexpression of hyperactive integrin-linked kinase leads to increased cellular radiosensitivity. 2004 , 64, 5683-92	58
1983	ATPase activity of magnesium chelatase subunit I is required to maintain subunit D in vivo. 2004 , 271, 2182-8	31
1982	Integrin receptor specificity for human red cell ICAM-4 ligand. Critical residues for alpha11beta3 binding. 2004 , 271, 3729-40	25
1981	Integrin signaling in inflammatory and neuropathic pain in the rat. 2004 , 19, 634-42	89
1980	Expression and distribution of beta1 integrins in in vitro-induced M cells: implications for Yersinia adhesion to Peyer's patch epithelium. 2004 , 6, 817-28	36
1979	Alpha6-integrin is expressed on germinal centre B cells and modifies growth of a B-cell line. 2004 , 111, 400-6	9
1978	A novel Phe171Cys mutation in integrin alpha causes Glanzmann thrombasthenia by abrogating alphabeta complex formation. 2004 , 2, 1167-75	13
1977	alpha(v)beta(6) Integrin expression in diseased and transplanted kidneys. 2004 , 66, 1423-33	15
1976	Binding of the chemokine SLC/CCL21 to its receptor CCR7 increases adhesive properties of human mesangial cells. 2004 , 66, 2256-63	16
1975	Stimulation-dependent recycling of integrin beta1 regulated by ARF6 and Rab11. 2004 , 5, 20-36	267
1974	The CD11/CD18 (beta2) integrins modulate neutrophil caspase activation and survival following TNF-alpha or endotoxin induced transendothelial migration. 2004 , 82, 435-46	37
1973	Integrin expression in cells of the intervertebral disc. 2004 , 204, 515-20	65
1972	RhoH is required to maintain the integrin LFA-1 in a nonadhesive state on lymphocytes. 2004 , 5, 961-7	59
1971	Integrin signalling during tumour progression. 2004 , 5, 816-26	1209

1970	Activation of a vinculin-binding site in the talin rod involves rearrangement of a five-helix bundle. 2004 , 23, 2942-51	143
1969	Integrin signaling links protein kinase Cepsilon to the protein kinase B/Akt survival pathway in recurrent prostate cancer cells. 2004 , 23, 8659-72	44
1968	Latent effects of fibronectin, alpha5beta1 integrin, alphaVbeta5 integrin and the cytoskeleton regulate pancreatic carcinoma cell IL-8 secretion. 2004 , 91, 1327-34	16
1967	A computational model of transmembrane integrin clustering. 2004 , 12, 1109-16	49
1966	The structural basis of elasticity in fibrillin-based microfibrils. 2004 , 12, 734-6	2
1965	Integrin activation in vivo and in silico. 2004 , 12, 2096-8	7
1964	Epigenetics and cancer: implications for drug discovery and safety assessment. 2004 , 196, 422-30	55
1963	The talin wags the dog: new insights into integrin activation. 2004 , 14, 55-7	41
1962	The sensitive giant: the role of titin-based stretch sensing complexes in the heart. 2004 , 14, 119-26	95
1961	Brain meets pancreas: netrin, an axon guidance molecule, controls epithelial cell migration. 2004 , 14, 153-5	27
1960	Integrins: versatile integrators of extracellular signals. 2004 , 14, 678-86	131
1959	The talin-tail interaction places integrin activation on FERM ground. 2004 , 29, 429-35	97
1958	Overexpression of c-maf is a frequent oncogenic event in multiple myeloma that promotes proliferation and pathological interactions with bone marrow stroma. 2004 , 5, 191-9	284
1957	Comparison of gene expression in squamous cell carcinoma and adenocarcinoma of the uterine cervix. 2004 , 95, 610-7	41
1956	Neurobiology: New Connections between Integrins and Axon Guidance. 2004 , 14, R121-R123	49
1955	Control of motile and invasive cell phenotypes by focal adhesion kinase. 2004 , 1692, 77-102	344
1954	Cell adhesion receptors, tyrosine kinases and actin modulators: a complex three-way circuitry. 2004 , 1692, 121-44	141
1953	Pro-apoptotic signaling pathway activated by echistatin in GD25 cells. 2004 , 1693, 73-80	16

1952	Regulation of integrin function through conformational complexity: not simply a knee-jerk reaction?. 2004 , 16, 544-51	87
1951	Integrin-linked kinase: integrin's mysterious partner. 2004 , 16, 565-71	66
1950	Regulation of matrix biology by matrix metalloproteinases. 2004 , 16, 558-64	856
1949	Regulation and localization of CAS substrate domain tyrosine phosphorylation. 2004 , 16, 621-9	55
1948	Adhesion of HT-29 colon carcinoma cells to endothelial cells requires sequential events involving E-selectin and integrin beta4. 2004 , 21, 257-64	44
1947	Regulation of integrin functions by N-glycans. 2004 , 21, 9-15	149
1946	A correlation between membrane cholesterol level, cell adhesion and tumourigenicity of polyoma virus transformed cells. 2004 , 265, 83-95	5
1945	Multitasking in tumor progression: signaling functions of cell adhesion molecules. 2004 , 1014, 58-66	120
1944	Dynamic (re)organization of the podocyte actin cytoskeleton in the nephrotic syndrome. 2004 , 19, 130-7	63
1943	Integrin-like protein at the invaginated plasma membrane of epidermal cells in mature leaves of the marine angiosperm <i>Zostera marina</i> L. 2004 , 220, 271-7	8
1942	Arrest of human lung fibroblasts in G2 phase after irradiation is regulated by converging phosphatidylinositol-3 kinase and beta1-integrin signaling in vitro. 2004 , 58, 453-62	28
1941	Molecular mechanisms of glioma cell migration and invasion. 2004 , 70, 217-28	410
1940	Irradiation and various cytotoxic drugs enhance tyrosine phosphorylation and beta(1)-integrin clustering in human A549 lung cancer cells in a substratum-dependent manner in vitro. 2004 , 180, 157-64	36
1939	Characterization of novel ascidian beta integrins as primitive complement receptor subunits. 2004 , 55, 836-44	32
1938	Possible role of <i>Malassezia furfur</i> in psoriasis: modulation of TGF-beta1, integrin, and HSP70 expression in human keratinocytes and in the skin of psoriasis-affected patients. 2004 , 31, 35-42	51
1937	Neural control of hepatic osmolytes and parenchymal cell hydration. 2004 , 280, 893-900	12
1936	Synthetic heterotrimeric collagen peptides as mimics of cell adhesion sites of the basement membrane. 2004 , 76, 34-47	41
1935	Gene expression analysis of an integrin family of genes by systematic multiplex reverse transcription-polymerase chain reaction. 2004 , 25, 2201-11	6

1934	Serum from patients with fulminant hepatic failure causes hepatocyte detachment and apoptosis by a beta(1)-integrin pathway. 2004 , 40, 636-45	22
1933	Myosin-mediated cytoskeleton contraction and Rho GTPases regulate laminin-5 matrix assembly. 2004 , 57, 107-17	12
1932	Hollow-fiber assay for ligand-mediated cell adhesion. 2004 , 57, 39-44	10
1931	Alpha2beta1 integrin-specific collagen-mimetic surfaces supporting osteoblastic differentiation. 2004 , 69, 591-600	119
1930	Integrin clipping: a novel adhesion switch?. 2004 , 91, 26-35	45
1929	Modeled microgravity disrupts collagen I/integrin signaling during osteoblastic differentiation of human mesenchymal stem cells. 2004 , 93, 697-707	113
1928	Adhesion, migration, transcriptional, interferon-inducible, and other signaling molecules newly implicated in cancer susceptibility and resistance of JB6 cells by cDNA microarray analyses. 2004 , 39, 34-60	9
1927	Spatial and temporal sequence of events in cell adhesion: from molecular recognition to focal adhesion assembly. 2004 , 5, 1393-9	106
1926	Imaging of angiogenesis. 2004 , 11, 617-33	35
1925	Incorporation of integrins into artificial planar lipid membranes: characterization by plasmon-enhanced fluorescence spectroscopy. 2004 , 333, 216-24	36
1924	Integrin clustering mechanisms explored with a soluble alpha11beta3 ectodomain construct. 2004 , 1700, 19-25	4
1923	Chondrocyte phenotypes on different extracellular matrix monolayers. 2004 , 25, 5929-38	131
1922	Surface chemistry modulates focal adhesion composition and signaling through changes in integrin binding. 2004 , 25, 5947-54	499
1921	Insights into phenylalanine derivatives recognition of VLA-4 integrin: from a pharmacophoric study to 3D-QSAR and molecular docking analyses. 2004 , 44, 1829-39	11
1920	Calreticulin-independent regulation of the platelet integrin alpha11beta3 by the KVGFFKR alpha11b-cytoplasmic motif. 2004 , 15, 43-54	8
1919	Lipopolysaccharide from <i>Coxiella burnetii</i> is involved in bacterial phagocytosis, filamentous actin reorganization, and inflammatory responses through Toll-like receptor 4. 2004 , 172, 3695-703	94
1918	Miscellaneous Second Messengers. 2004 , 321-345	
1917	Feeder layer- and serum-free culture of human embryonic stem cells. 2004 , 70, 837-45	578

1916	Structural requirements of MLD-containing disintegrins for functional interaction with alpha 4 beta 1 and alpha 9 beta1 integrins. 2004 , 43, 1639-47	49
1915	Plasmodium sporozoite molecular cell biology. 2004 , 20, 29-59	119
1914	Conformational spread: the propagation of allosteric states in large multiprotein complexes. 2004 , 33, 53-73	153
1913	Easy and efficient bonding of biomolecules to an oxide surface of silicon. 2004 , 20, 5501-5	51
1912	Human integrin alphavbeta5: homology modeling and ligand binding. 2004 , 47, 4166-77	51
1911	Expression, production, and characterization of full-length vitronectin in Escherichia coli. 2004 , 36, 131-131	
1910	Cell adhesion receptors, tyrosine kinases and actin modulators: a complex three-way circuitry. 2004 , 1692, 121-121	
1909	Synthetic responses in airway smooth muscle. 2004 , 114, S32-50	123
1908	Transport features, reaction kinetics and receptor biomechanics controlling selectin and integrin mediated cell adhesion. 2004 , 11, 35-50	24
1907	Integrin signaling in cancer. 2004 , 119, 15-31	27
1906	Manganese-induced integrin affinity maturation promotes recruitment of alpha V beta 3 integrin to focal adhesions in endothelial cells: evidence for a role of phosphatidylinositol 3-kinase and Src. 2004 , 92, 151-61	37
1905	Liver fibrosis: from the bench to clinical targets. 2004 , 36, 231-42	249
1904	Self-assembled monolayers of alpha,omega-diphosphonic acids on Ti enable complete or spatially controlled surface derivatization. 2004 , 20, 5333-7	72
1903	The relative influence of metal ion binding sites in the I-like domain and the interface with the hybrid domain on rolling and firm adhesion by integrin alpha4beta7. 2004 , 279, 55556-61	41
1902	Cell Adhesion. 2004 ,	1
1901	A novel MEA/AFM platform for measurement of real-time, nanometric morphological alterations of electrically stimulated neuroblastoma cells. 2004 , 3, 111-7	9
1900	Cell biology. Integrins, rafts, Rac, and Rho. 2004 , 303, 773-4	66
1899	Integrin expression regulates neuroblastoma attachment and migration. 2004 , 6, 332-42	40

1898	The role of very late antigen-1 in immune-mediated inflammation. 2004 , 113, 119-29	58
1897	The collagen receptor subfamily of the integrins. 2004 , 36, 1405-10	143
1896	Functional regulation of T lymphocytes by modulatory extracellular matrix proteins. 2004 , 36, 1126-34	25
1895	Integrin alpha v beta 3 binds a unique non-RGD site near the C-terminus of human tropoelastin. 2004 , 86, 173-8	94
1894	CMF608-a novel mechanical strain-induced bone-specific protein expressed in early osteochondroprogenitor cells. 2004 , 34, 246-60	20
1893	Interaction of filamin A with the integrin beta 7 cytoplasmic domain: role of alternative splicing and phosphorylation. 2004 , 569, 185-90	36
1892	SHP2 binds catalase and acquires a hydrogen peroxide-resistant phosphatase activity via integrin-signaling. 2004 , 577, 327-32	13
1891	Variant glycosylation: an underappreciated regulatory mechanism for beta1 integrins. 2004 , 1663, 52-60	120
1890	Cynaropicrin, a sesquiterpene lactone, as a new strong regulator of CD29 and CD98 functions. 2004 , 313, 954-61	37
1889	Platelet-derived growth factor-BB modulates membrane mobility of beta1 integrins. 2004 , 314, 89-96	14
1888	Direct demonstration of involvement of the adaptor protein ShcA in the regulation of Ca ²⁺ -induced platelet aggregation. 2004 , 322, 700-4	3
1887	Organogenesis of the exocrine gland. 2004 , 273, 1-22	24
1886	Analysis of the Drosophila betaPS subunit indicates that regulation of integrin activity is a primal function of the C8-C9 loop. 2004 , 294, 118-29	8
1885	The alpha4 laminin subunit regulates endothelial cell survival. 2004 , 294, 281-9	41
1884	Interaction of the disintegrin and cysteine-rich domains of ADAM12 with integrin alpha7beta1. 2004 , 298, 28-37	37
1883	Alpha8beta1 integrin is upregulated in myofibroblasts of fibrotic and scarring myocardium. 2004 , 36, 343-53	54
1882	Multistep entry of rotavirus into cells: a Versaillesque dance. 2004 , 12, 271-8	161
1881	Expression, production, and characterization of full-length vitronectin in Escherichia coli. 2004 , 36, 131-8	12

1880	Development of cell adhesion molecule antagonists as therapeutics for asthma and COPD. 2004 , 17, 1-10	51
1879	Lack of integrin alpha1beta1 leads to severe glomerulosclerosis after glomerular injury. 2004 , 165, 617-30	82
1878	CEACAM1 enhances invasion and migration of melanocytic and melanoma cells. 2004 , 165, 1781-7	98
1877	Role of discoidin domain receptors 1 and 2 in human smooth muscle cell-mediated collagen remodeling: potential implications in atherosclerosis and lymphangioliomyomatosis. 2004 , 164, 1575-85	142
1876	Quantitative real-time RT-PCR assessment of spinal microglial and astrocytic activation markers in a rat model of neuropathic pain. 2004 , 45, 397-407	307
1875	Molecular aspects of medicine: from experimental to clinical hepatology. 2004 , 25, 221-360	49
1874	Basement membrane assembly, stability and activities observed through a developmental lens. 2004 , 22, 521-38	292
1873	Epithelial cell motility on laminin-5: regulation by matrix assembly, proteolysis, integrins and erbB receptors. 2004 , 23, 75-85	85
1872	The emergence of integrins: a personal and historical perspective. 2004 , 23, 333-40	129
1871	Genomic organization and sequence variation of the human integrin subunit alpha8 gene (ITGA8). 2004 , 23, 487-96	11
1870	Specific beta1 integrins mediate adhesion, migration, and differentiation of neural progenitors derived from the embryonic striatum. 2004 , 27, 22-31	92
1869	Management of liver metastases: new horizons for biologically based therapy. 2004 , 117, 144-53	4
1868	The disintegrin echistatin stabilizes integrin alpha11beta3's open conformation and promotes its oligomerization. 2004 , 342, 1625-36	26
1867	Morphogenesis in the absence of integrins: mutation of both Drosophila beta subunits prevents midgut migration. 2004 , 131, 5405-15	76
1866	HIV-1 Nef mimics an integrin receptor signal that recruits the polycomb group protein Eed to the plasma membrane. 2004 , 13, 179-90	69
1865	Structural basis for dimerization of ICAM-1 on the cell surface. 2004 , 14, 269-76	79
1864	Evidence for hetero-association of transmembrane helices of integrins. 2004 , 557, 253-8	18
1863	Foot-and-mouth disease. 2004 , 17, 465-93	864

1862	CELLMATERIAL INTERACTIONS. 2004 , 29, 7-46	19
1861	Integrins and coagulation: a role for ROS/redox signaling?. 2004 , 6, 757-64	41
1860	Rewiring cell adhesion. 2004 , 126, 6504-5	43
1859	Regulation of cell-cell adhesion during Dictyostelium development. 2004 , 15, 633-641	32
1858	Expression of pro-inflammatory markers by human dermal fibroblasts in a three-dimensional culture model is mediated by an autocrine interleukin-1 loop. 2004 , 379, 351-8	30
1857	Platelet receptor interplay regulates collagen-induced thrombus formation in flowing human blood. 2004 , 103, 1333-41	156
1856	Deletion of the alternatively spliced fibronectin EIIIA domain in mice reduces atherosclerosis. 2004 , 104, 11-8	148
1855	Human alloantibody anti-Mart interferes with Mac-1-dependent leukocyte adhesion. 2004 , 104, 727-34	44
1854	Integrin alpha4beta7 and its counterreceptor MAdCAM-1 contribute to hematopoietic progenitor recruitment into bone marrow following transplantation. 2004 , 104, 2020-6	69
1853	Monoclonal antibody IAC-1 is specific for activated alpha2beta1 and binds to amino acids 199 to 201 of the integrin alpha2 I-domain. 2004 , 104, 390-6	31
1852	TGF-beta1 (transforming growth factor-beta1)-mediated adhesion of gastric carcinoma cells involves a decrease in Ras/ERKs (extracellular-signal-regulated kinases) cascade activity dependent on c-Src activity. 2004 , 379, 141-50	25
1851	Suppression of integrin activation by the membrane-distal sequence of the integrin alpha11b cytoplasmic tail. 2004 , 379, 317-23	9
1850	Novel activating and inactivating mutations in the integrin beta1 subunit A domain. 2004 , 380, 401-7	27
1849	Structural basis for ligand recognition by RGD (Arg-Gly-Asp)-dependent integrins. 2004 , 32, 403-6	133
1848	Structural basis for integrin alpha11bbeta3 clustering. 2004 , 32, 412-5	27
1847	Lipid rafts: microenvironments for integrin-growth factor interactions in neural development. 2004 , 32, 426-30	39
1846	Talin controls integrin activation. 2004 , 32, 434-7	128
1845	Integrin regulation of epidermal growth factor (EGF) receptor and of EGF-dependent responses. 2004 , 32, 438-42	134

1844	Mechanisms of integration of cells and extracellular matrices by integrins. 2004 , 32, 822-5	91
1843	Angiogenesis and Blood Supply. 2004 , 333-367	
1842	Update of extracellular matrix, its receptors, and cell adhesion molecules in mammalian nephrogenesis. 2004 , 286, F202-15	55
1841	Basement membrane and extracellular matrix molecules in the skin. 2005 , 129-151	1
1840	Integrin signaling and central nervous system development. 2005 , 15, 153-168	
1839	Structure and function of the platelet integrin α IIb β 3. 2005 , 115, 3363-9	242
1838	An In Vivo and In Vitro Immunohistochemical Study of Integrin Alpha Subunit Localization in the Rat Anterior Pituitary. 2005 , 38, 381-386	2
1837	Near-Infrared Optical Imaging of Ovarian Cancer Xenografts with Novel β -Integrin Binding Peptide DA02. 2005 , 4, 7290.2005.05169	29
1836	Integrin regulation of membrane domain trafficking and Rac targeting. 2005 , 33, 609-13	25
1835	The beta3 subunit of the integrin α IIb β 3 regulates α IIb-mediated outside-in signaling. 2005 , 105, 4345-52	26
1834	Transmembrane CEACAM1 affects integrin-dependent signaling and regulates extracellular matrix protein-specific morphology and migration of endothelial cells. 2005 , 105, 3925-34	64
1833	Transglutaminase-mediated oligomerization of the fibrin(ogen) α C domains promotes integrin-dependent cell adhesion and signaling. 2005 , 105, 3561-8	73
1832	Therapeutic expression of the platelet-specific integrin, α IIb β 3, in a murine model for Glanzmann thrombasthenia. 2005 , 106, 2671-9	68
1831	The extracellular matrix protein mindin serves as an integrin ligand and is critical for inflammatory cell recruitment. 2005 , 106, 3854-9	82
1830	ADAM disintegrin-like domain recognition by the lymphocyte integrins α 4 β 1 and α 4 β 7. 2005 , 387, 101-8	54
1829	Immunological Adhesion and Homing Molecules. 2005 ,	1
1828	Myoblast proliferation and differentiation on fibronectin-coated self assembled monolayers presenting different surface chemistries. 2005 , 26, 4523-31	173
1827	Helicobacter pylori VacA cytotoxin interacts with fibronectin and alters HeLa cell adhesion and cytoskeletal organization in vitro. 2005 , 44, 143-50	30

1826	Adhesiveness of beta5 integrin variant lacking FNK767-769 is similar to that of the prototype containing FNKFNK764-769. 2005 , 29, 521-8	4
1825	Integrins as linker proteins between osteoblasts and bone replacing materials. A critical review. 2005 , 26, 137-46	272
1824	Control of focal adhesion dynamics by material surface characteristics. 2005 , 26, 383-92	157
1823	Quantitative methods for analysis of integrin binding and focal adhesion formation on biomaterial surfaces. 2005 , 26, 413-8	73
1822	The influence of GFP-actin expression on the adhesion dynamics of HepG2 cells on a model extracellular matrix. 2005 , 26, 5348-58	18
1821	Molecules mediating cell-ECM and cell-cell communication in human heart valves. 2005 , 43, 275-87	37
1820	Type I collagen and divalent cation shifts disrupt cell-cell adhesion, increase migration, and decrease PTHrP, IL-6, and IL-8 expression in pancreatic cancer cells. 2005 , 36, 131-46	13
1819	R-ras as a key player for signaling pathway of plexins. 2005 , 32, 217-22	29
1818	Integrin activation by talin. 2005 , 3, 1783-90	58
1817	Soluble fibronectin induces chemokine gene expression in renal tubular epithelial cells. 2005 , 68, 2111-20	13
1816	Transepithelial migration of <i>Toxoplasma gondii</i> involves an interaction of intercellular adhesion molecule 1 (ICAM-1) with the parasite adhesin MIC2. 2005 , 7, 561-8	145
1815	Salivary gland morphogenesis and basement membranes. 2005 , 80, 71-9	40
1814	Solving a sticky problem: new genetic approaches to host cell adhesion by the Lyme disease spirochete. 2005 , 57, 1182-95	75
1813	Integrin CD11a cytoplasmic tail interacts with the CD45 membrane-proximal protein tyrosine phosphatase domain 1. 2005 , 115, 347-57	10
1812	Therapeutic anti-integrin (alpha4 and alphaL) monoclonal antibodies: two-edged swords?. 2005 , 116, 289-96	42
1811	Integrin beta1 is required for the invasive behaviour but not proliferation of squamous cell carcinoma cells in vivo. 2005 , 92, 102-12	57
1810	Moving with Muscleblind. 2005 , 7, 1155-1156	1
1809	Negative regulation of EGFR signalling through integrin-alpha1beta1-mediated activation of protein tyrosine phosphatase TCPTP. 2005 , 7, 78-85	166

1808	Integrin-independent repression of cadherin transcription by talin during axis formation in <i>Drosophila</i> . 2005 , 7, 510-6	54
1807	Regulation of cadherin-mediated adhesion in morphogenesis. 2005 , 6, 622-34	1170
1806	Integrins as a distinct subtype of dependence receptors. 2005 , 12, 1021-30	72
1805	Anoikis. 2005 , 12 Suppl 2, 1473-7	439
1804	Beta1 integrins regulate mammary gland proliferation and maintain the integrity of mammary alveoli. 2005 , 24, 1942-53	145
1803	PKCepsilon-mediated phosphorylation of vimentin controls integrin recycling and motility. 2005 , 24, 3834-45	213
1802	Tumor cell invasiveness correlates with changes in integrin expression and localization. 2005 , 24, 2032-41	134
1801	Adhesion control of cyclin D1 and p27Kip1 levels is deregulated in melanoma cells through BRAF-MEK-ERK signaling. 2005 , 24, 3459-71	122
1800	Upregulation of a functional form of the beta4 integrin subunit in colorectal cancers correlates with c-Myc expression. 2005 , 24, 6820-9	43
1799	Xenopus ILK (integrin-linked kinase) is required for morphogenetic movements during gastrulation. 2005 , 10, 369-79	18
1798	Lebestatin, a disintegrin from <i>Macrovipera</i> venom, inhibits integrin-mediated cell adhesion, migration and angiogenesis. 2005 , 85, 1507-16	78
1797	Beta4 integrin subunit gene expression correlates with tumor size and nuclear grade in early breast cancer. 2005 , 18, 1165-75	57
1796	Adhesion, migration and communication in melanocytes and melanoma. 2005 , 18, 150-9	251
1795	Microgravity: the immune response and bone. 2005 , 208, 267-80	81
1794	Integrin regulation. 2005 , 17, 509-16	391
1793	Modulation of chondrocyte adhesion to collagen by echistatin. 2005 , 84, 833-42	5
1792	TGF-beta1-mediated activations of c-Src and Rac1 modulate levels of cyclins and p27(Kip1) CDK inhibitor in hepatoma cells replated on fibronectin. 2005 , 1743, 151-61	28
1791	Gelatinase-mediated migration and invasion of cancer cells. 2005 , 1755, 37-69	269

1790	Integrins and Src: dynamic duo of adhesion signaling. 2005 , 15, 399-403	109
1789	Molecular regulation of Th2 immunity by dendritic cells. 2005 , 106, 75-96	17
1788	Fractalkine-upregulated milk-fat globule EGF factor-8 protein in cultured rat microglia. 2005 , 160, 92-101	60
1787	Selective evolutionary pressure from the tissue microenvironment drives tumor progression. 2005 , 15, 451-9	48
1786	The integrins of the urochordate <i>Ciona intestinalis</i> provide novel insights into the molecular evolution of the vertebrate integrin family. 2005 , 5, 31	37
1785	alpha5beta1 integrin stimulates Bcl-2 expression and cell survival through Akt, focal adhesion kinase, and Ca ²⁺ /calmodulin-dependent protein kinase IV. 2005 , 95, 1214-23	55
1784	Integrin alpha2beta1 modulates EGF stimulation of Rho GTPase-dependent morphological changes in adherent human rhabdomyosarcoma RD cells. 2005 , 202, 754-66	16
1783	Regulation of Indian hedgehog mRNA levels in chondrocytic cells by ERK1/2 and p38 mitogen-activated protein kinases. 2005 , 203, 177-85	16
1782	HSG cells differentiated by culture on extracellular matrix involves induction of S-adenosylmethione decarboxylase and ornithine decarboxylase. 2005 , 203, 353-61	20
1781	The non-receptor tyrosine kinase Syk regulates lamellipodium formation and site-directed migration of human leukocytes. 2005 , 204, 614-22	35
1780	Novel amplicons on the short arm of chromosome 7 identified using high resolution array CGH contain over expressed genes in addition to EGFR in glioblastoma multiforme. 2005 , 44, 392-404	37
1779	Integrin-growth factor interactions as regulators of oligodendroglial development and function. 2005 , 49, 467-79	103
1778	Cellular invasion of the chicken corneal stroma during development: regulation by multiple matrix metalloproteases and the lens. 2005 , 232, 106-18	10
1777	Making tubes in the <i>Drosophila</i> embryo. 2005 , 232, 617-32	34
1776	Aggregation of maternal pigment granules is induced by the cytosolic discoidin domain of the <i>Xenopus</i> Del1 protein. 2005 , 233, 224-32	1
1775	Beta1 integrins and neural stem cells: making sense of the extracellular environment. 2005 , 27, 698-707	98
1774	Photomodulation of conformational states. IV. Integrin-binding RGD-peptides with (4-aminomethyl)phenylazobenzoic acid as backbone constituent. 2005 , 77, 304-13	22
1773	Encapsulation of adult human mesenchymal stem cells within collagen-agarose microenvironments. 2005 , 92, 492-500	117

1772 PTB Domains. **2005**, 117-141

1771 [Blocking adhesion molecules with natalizumab in multiple sclerosis]. **2005**, 76, 999-1005

2

1770 Skeletal phenotype of growing transgenic mice that express a function-perturbing form of beta1 integrin in osteoblasts. **2005**, 76, 39-49

29

1769 Integrin-actin interactions. **2005**, 62, 1081-99

152

1768 Effect of passage number and matrix characteristics on differentiation of endothelial cells cultured for tissue engineering. **2005**, 26, 5658-67

73

1767 Get a grip: integrins in cell-biomaterial interactions. **2005**, 26, 7525-9

257

1766 Design and expression of oligomeric fibronectin fusion protein: a strategy for enhancing cell adhesion activity. **2005**, 27, 811-6

2

1765 The integrin alpha6beta1 modulation of PI3K and Cdc42 activities induces dynamic filopodium formation in human platelets. **2005**, 12, 881-98

36

1764 Disruptions and detours in the myocardial matrix highway and heart failure. **2005**, 2, 10-7

15

1763 Expression of alpha V-associated integrin beta subunits in epithelial ovarian cancer and its relation to prognosis in patients treated with platinum-based regimens. **2005**, 36, 119-29

22

1762 Integrin signaling in malignant melanoma. **2005**, 24, 195-222

219

1761 beta 1 integrin function in vivo: adhesion, migration and more. **2005**, 24, 403-11

166

1760 A selective cyclic integrin antagonist blocks the integrin receptors alphavbeta3 and alphavbeta5 and inhibits retinal pigment epithelium cell attachment, migration and invasion. **2005**, 5, 16

26

1759 Calpha-H...O = C hydrogen bonds contribute to the specificity of RGD cell-adhesion interactions. **2005**, 5, 4

21

1758 The central role of vascular extracellular matrix and basement membrane remodeling in metabolic syndrome and type 2 diabetes: the matrix preloaded. **2005**, 4, 9

100

1757 Anti-lipid phosphate phosphohydrolase-3 (LPP3) antibody inhibits bFGF- and VEGF-induced capillary morphogenesis of endothelial cells. **2005**, 3, 9

22

1756 Dynamic regulation of integrin activation by intracellular and extracellular signals controls oligodendrocyte morphology. **2005**, 3, 25

33

1755 Similarities and dissimilarities of branching and septation during lung development. **2005**, 40, 113-34

87

1754	High dose fractionated ionizing radiation inhibits prostate cancer cell adhesion and beta(1) integrin expression. 2005 , 64, 83-91	19
1753	Global and site-specific detection of human integrin alpha 5 beta 1 glycosylation using tandem mass spectrometry and the StrOligo algorithm. 2005 , 19, 721-7	17
1752	Recombinant albumins containing additional peptide sequences smaller than barbourin retain the ability of barbourin-albumin to inhibit platelet aggregation. 2005 , 93, 914-21	10
1751	Modification of the cellular radiation survival and proliferation response by cell-matrix interactions: implications for integrin targeting in therapeutic approaches for radiation accident patients. 2005 , Supplement_27, 152-156	3
1750	Stellate Cells. 2005 , 27-44	
1749	Recent Advances in the Role of Integrins in Developmental and Adult Synaptic Plasticity. 2005 , 457-467	1
1748	Ecto-ADP-ribose transferases: cell-surface response to local tissue injury. 2005 , 20, 374-81	33
1747	Isolated integrin beta3 subunit cytoplasmic domains require membrane anchorage and the NPXY motif to recruit to adhesion complexes but do not discriminate between beta1- and beta3-positive complexes. 2005 , 94, 155-66	6
1746	Molecular aspects of vascular tissue engineering. 2005 , 10, 768-89	30
1745	Epstein-Barr-virus-encoded LMP2A induces primary epithelial cell migration and invasion: possible role in nasopharyngeal carcinoma metastasis. 2005 , 79, 15430-42	73
1744	Genetic and genomic approaches to glomerulosclerosis. 2005 , 5, 497-507	7
1743	Learning the chemical language of cell-surface interactions. 2005 , 2005, pe45	9
1742	The 67 kDa laminin receptor increases tumor aggressiveness by remodeling laminin-1. 2005 , 12, 393-406	61
1741	Design and structure of peptide and peptidomimetic antagonists of protein-protein interaction. 2005 , 6, 151-69	102
1740	Specification of the direction of adhesive signaling by the integrin beta cytoplasmic domain. 2005 , 280, 29699-707	81
1739	The signaling network of transforming growth factor beta1, protein kinase Cdelta, and integrin underlies the spreading and invasiveness of gastric carcinoma cells. 2005 , 25, 6921-36	39
1738	Patent ductus arteriosus and respiratory outcome in premature infants. 2005 , 88, 192-201	76
1737	PTP-1B is an essential positive regulator of platelet integrin signaling. 2005 , 170, 837-45	97

1736	Integrin alpha6beta4-erbB2 complex inhibits haptotaxis by up-regulating E-cadherin cell-cell junctions in keratinocytes. 2005 , 280, 8004-15	33
1735	Smooth muscle adherens junctions associated proteins are stable at the cell periphery during relaxation and activation. 2005 , 289, C1379-87	12
1734	Anti-alpha4 integrin therapy for multiple sclerosis: mechanisms and rationale. 2005 , 64, 1336-42	250
1733	Migfilin and its binding partners: from cell biology to human diseases. 2005 , 118, 659-64	60
1732	Inhibitors of membrane receptors involved with leukocyte extravasation. 2005 , 5, 575-84	13
1731	Cellular expression of integrin-beta 1 is of critical importance for inducing therapeutic angiogenesis by cell implantation. 2005 , 65, 64-72	30
1730	Integrin function and signaling as pharmacological targets in cardiovascular diseases and in cancer. 2005 , 11, 2119-34	17
1729	alpha8beta1 Integrin expression in the rat carotid artery: involvement in smooth muscle cell migration and neointima formation. 2005 , 65, 813-22	35
1728	SRC family kinases in cell volume regulation. 2005 , 288, C483-93	64
1727	CEACAM engagement by human pathogens enhances cell adhesion and counteracts bacteria-induced detachment of epithelial cells. 2005 , 170, 825-36	97
1726	Integrin-dependent functions of the angiogenic inducer NOV (CCN3): implication in wound healing. 2005 , 280, 8229-37	91
1725	Two functional active conformations of the integrin {alpha}2{beta}1, depending on activation condition and cell type. 2005 , 280, 36873-82	34
1724	Integrin alpha4beta1 promotes focal adhesion kinase-independent cell motility via alpha4 cytoplasmic domain-specific activation of c-Src. 2005 , 25, 9700-12	71
1723	Effects of Ac150 on virulence and pathogenesis of Autographa californica multiple nucleopolyhedrovirus in noctuid hosts. 2005 , 86, 1619-1627	26
1722	Stable interaction between alpha5beta1 integrin and Tie2 tyrosine kinase receptor regulates endothelial cell response to Ang-1. 2005 , 170, 993-1004	147
1721	Molecular and Cellular Signaling. 2005 ,	
1720	Rotaviruses interact with alpha4beta7 and alpha4beta1 integrins by binding the same integrin domains as natural ligands. 2005 , 86, 3397-3408	51
1719	Importance of integrin LFA-1 deactivation for the generation of immune responses. 2005 , 201, 1987-98	99

1718	The mechanisms and dynamics of (alpha)v(beta)3 integrin clustering in living cells. 2005 , 171, 383-92	281
1717	A novel role for integrin-linked kinase in epithelial sheet morphogenesis. 2005 , 16, 4084-95	36
1716	Fibronectin controls cap-dependent translation through beta1 integrin and eukaryotic initiation factors 4 and 2 coordinated pathways. 2005 , 102, 9200-5	30
1715	Ablation of beta1 integrin in mammary epithelium reveals a key role for integrin in glandular morphogenesis and differentiation. 2005 , 171, 717-28	184
1714	Inhibition of alpha(v)beta3 integrin survival signaling enhances antiangiogenic and antitumor effects of radiotherapy. 2005 , 11, 6270-9	191
1713	Transmembrane domain helix packing stabilizes integrin alpha11bbeta3 in the low affinity state. 2005 , 280, 7294-300	122
1712	Tetraspanin CD82 attenuates cellular morphogenesis through down-regulating integrin alpha6-mediated cell adhesion. 2005 , 280, 3346-54	70
1711	HIV-1-infected blood mononuclear cells form an integrin- and agrin-dependent viral synapse to induce efficient HIV-1 transcytosis across epithelial cell monolayer. 2005 , 16, 4267-79	99
1710	A direct test of potential roles for beta3 and beta5 integrins in growth and metastasis of murine mammary carcinomas. 2005 , 65, 10324-9	40
1709	Distinct roles for the alpha and beta subunits in the functions of integrin alphaMbeta2. 2005 , 280, 1336-45	187
1708	Specific integrin alpha and beta chain phosphorylations regulate LFA-1 activation through affinity-dependent and -independent mechanisms. 2005 , 171, 705-15	92
1707	Focal adhesion kinase signaling regulates cardiogenesis of embryonic stem cells. 2005 , 280, 39534-44	61
1706	Integrins: regulators of tissue function and cancer progression. 2005 , 11, 881-91	96
1705	Functional characteristic of snake venom disintegrins: potential therapeutic implication. 2005 , 11, 815-27	79
1704	Tumor Vasculature as a Target for Cancer Therapy. 2005 , 415-428	
1703	ADAM-Integrin Interactions: potential integrin regulated ectodomain shedding activity. 2005 , 11, 837-47	58
1702	Fibroblast growth factor signaling and the function and assembly of basement membranes. 2005 , 66, 37-64	4
1701	A specific alpha5beta1-integrin conformation promotes directional integrin translocation and fibronectin matrix formation. 2005 , 118, 291-300	97

1700	Extracellular matrix and the development of disease: The role of its components in cancer progression. 2005 , 203-228	1
1699	Targeting integrins for the control of tumour angiogenesis. 2005 , 14, 1475-86	27
1698	Cripto as a target for cancer immunotherapy. 2005 , 9, 383-94	16
1697	Thyroid hormones: rapid reply by surface delivery only. 2005 , 146, 2861-3	18
1696	Stimulation of resorption in cultured mouse calvarial bones by thiazolidinediones. 2005 , 146, 4349-61	24
1695	Cellular mechanisms of bacterial internalization counteracted by Yersinia. 2005 , 246, 135-88	28
1694	Functional sites in the laminin alpha chains. 2005 , 46, 142-52	89
1693	Potential of the ligand-binding activity of integrin alpha3beta1 via association with tetraspanin CD151. 2005 , 102, 1939-44	136
1692	Focal adhesions as mechanosensors: a physical mechanism. 2005 , 102, 12383-8	223
1691	Spleen tyrosine kinase (Syk) as a novel target for allergic asthma and rhinitis. 2005 , 9, 901-21	50
1690	Manifestations of inflammatory arthritis are critically dependent on LFA-1. 2005 , 174, 3668-75	71
1689	Regulation of highly cytokinergic IgE-induced mast cell adhesion by Src, Syk, Tec, and protein kinase C family kinases. 2005 , 174, 4495-504	57
1688	Dual functionality of the anti-beta1 integrin antibody, 12G10, exemplifies agonistic signalling from the ligand binding pocket of integrin adhesion receptors. 2005 , 280, 10234-43	30
1687	Cellular invasion by Staphylococcus aureus reveals a functional link between focal adhesion kinase and cortactin in integrin-mediated internalisation. 2005 , 118, 2189-200	133
1686	Cellular stress failure in ventilator-injured lungs. 2005 , 171, 1328-42	167
1685	PINCH1 plays an essential role in early murine embryonic development but is dispensable in ventricular cardiomyocytes. 2005 , 25, 3056-62	77
1684	Consequences of loss of PINCH2 expression in mice. 2005 , 118, 5899-910	42
1683	L-selectin, alpha 4 beta 1, and alpha 4 beta 7 integrins participate in CD4+ T cell recruitment to chronically inflamed small intestine. 2005 , 174, 2343-52	109

1682	The alphaVbeta6 integrin as a novel molecular target for colorectal cancer. 2005 , 1, 821-8	17
1681	The matrix protein CCN1 (CYR61) induces apoptosis in fibroblasts. 2005 , 171, 559-68	101
1680	Laminin-6 assembles into multimolecular fibrillar complexes with perlecan and participates in mechanical-signal transduction via a dystroglycan-dependent, integrin-independent mechanism. 2005 , 118, 2557-66	53
1679	Alpha3beta1 integrin regulates MMP-9 mRNA stability in immortalized keratinocytes: a novel mechanism of integrin-mediated MMP gene expression. 2005 , 118, 1185-95	95
1678	Integrin-dependent PLC-gamma1 phosphorylation mediates fibronectin-dependent adhesion. 2005 , 118, 601-10	42
1677	Evidence for the presence of a low-mass beta1 integrin on the cell surface. 2005 , 118, 4009-16	19
1676	Structure of Ptr ToxA: an RGD-containing host-selective toxin from <i>Pyrenophora tritici-repentis</i> . 2005 , 17, 3190-202	85
1675	The serine-rich domain from Crk-associated substrate (p130cas) is a four-helix bundle. 2005 , 280, 21908-14	23
1674	Disrupting integrin transmembrane domain heterodimerization increases ligand binding affinity, not valency or clustering. 2005 , 102, 3679-84	129
1673	{beta}1 Integrin and IL-3R coordinately regulate STAT5 activation and anchorage-dependent proliferation. 2005 , 168, 1099-108	32
1672	Dissecting the role of matrix metalloproteinases (MMP) and integrin alpha(v)beta3 in angiogenesis in vitro: absence of hemopexin C domain bioactivity, but membrane-Type 1-MMP and alpha(v)beta3 are critical. 2005 , 65, 9377-87	60
1671	An interaction between {alpha}v{beta}8 integrin and Band 4.1B via a highly conserved region of the Band 4.1 C-terminal domain. 2005 , 102, 13479-83	41
1670	Three-dimensional EM structure of the ectodomain of integrin {alpha}V{beta}3 in a complex with fibronectin. 2005 , 168, 1109-18	158
1669	Epitope mapping of monoclonal antibody to integrin alphaL beta2 hybrid domain suggests different requirements of affinity states for intercellular adhesion molecules (ICAM)-1 and ICAM-3 binding. 2005 , 280, 29208-16	40
1668	Evidence that monoclonal antibodies directed against the integrin beta subunit plexin/semaphorin/integrin domain stimulate function by inducing receptor extension. 2005 , 280, 4238-46	46
1667	Regulation of the interaction between PIPKI gamma and talin by proline-directed protein kinases. 2005 , 168, 789-99	96
1666	Regulation of outside-in signaling in platelets by integrin-associated protein kinase C beta. 2005 , 280, 644-53	100
1665	Disabled-2 (Dab2) is required for transforming growth factor beta-induced epithelial to mesenchymal transition (EMT). 2005 , 280, 17540-8	104

1664	The glycosphingolipid, lactosylceramide, regulates beta1-integrin clustering and endocytosis. 2005 , 65, 8233-41	80
1663	Targeted deletion of the integrin beta4 signaling domain suppresses laminin-5-dependent nuclear entry of mitogen-activated protein kinases and NF-kappaB, causing defects in epidermal growth and migration. 2005 , 25, 6090-102	109
1662	Cell adhesion strengthening: contributions of adhesive area, integrin binding, and focal adhesion assembly. 2005 , 16, 4329-40	332
1661	Integrins. 2005 , 201-227	
1660	Bone Metastasis. 2005 ,	1
1659	Mechanisms of axon guidance in the developing nervous system. 2005 , 69, 267-346	40
1658	Pathogenic T-cell clones in autoimmune diabetes: more lessons from the NOD mouse. 2005 , 87, 123-62	64
1657	The lymphangiogenic vascular endothelial growth factors VEGF-C and -D are ligands for the integrin alpha9beta1. 2005 , 280, 4544-52	153
1656	E-cadherin endocytosis regulates the activity of Rap1: a traffic light GTPase at the crossroads between cadherin and integrin function. 2005 , 118, 4765-83	142
1655	Integration/Interaction of Oncologic Growth. 2005 ,	3
1654	Fc gammaRIIIB stimulation promotes beta1 integrin activation in human neutrophils. 2005 , 77, 787-99	26
1653	Paxillin is required for cell-substrate adhesion, cell sorting and slug migration during Dictyostelium development. 2005 , 118, 4295-310	51
1652	Syk tyrosine kinase participates in beta1-integrin signaling and inflammatory responses in airway epithelial cells. 2005 , 288, L497-507	70
1651	Antibody neutralization escape mediated by point mutations in the intracytoplasmic tail of human immunodeficiency virus type 1 gp41. 2005 , 79, 2097-107	51
1650	Loss of alpha10beta1 integrin expression leads to moderate dysfunction of growth plate chondrocytes. 2005 , 118, 929-36	111
1649	Specific binding of Autographa californica M nucleopolyhedrovirus occlusion-derived virus to midgut cells of Heliothis virescens larvae is mediated by products of pif genes Ac119 and Ac022 but not by Ac115. 2005 , 79, 15258-64	114
1648	Physical and functional association of migfilin with cell-cell adhesions. 2005 , 118, 697-710	41
1647	Defining the interaction of the Treponema pallidum adhesin Tp0751 with laminin. 2005 , 73, 7485-94	52

1646	Reelin, integrin and DAB1 interactions during embryonic cerebral cortical development. 2005 , 15, 1632-6	63
1645	Membrane-proximal {alpha}/{beta} stalk interactions differentially regulate integrin activation. 2005 , 280, 24775-83	39
1644	Structural basis for phosphatidylinositol phosphate kinase type Igamma binding to talin at focal adhesions. 2005 , 280, 8381-6	64
1643	Alpha4beta1-dependent adhesion strengthening under mechanical strain is regulated by paxillin association with the alpha4-cytoplasmic domain. 2005 , 171, 1073-84	84
1642	CD98hc (SLC3A2) mediates integrin signaling. 2005 , 102, 355-60	190
1641	Localization of Ptr ToxA Produced by Pyrenophora tritici-repentis Reveals Protein Import into Wheat Mesophyll Cells. 2005 , 17, 3203-12	144
1640	Conditional knockout of focal adhesion kinase in endothelial cells reveals its role in angiogenesis and vascular development in late embryogenesis. 2005 , 169, 941-52	238
1639	Matrix Metalloproteinases: Mediators of Tumour-Host Cell Interactions. 2005 , 81-126	
1638	Transcriptional regulation of α integrin expression in the physio/pathological states of human endometrial tissues. 2005 , 26, 457	1
1637	Hypersialylation of beta1 integrins, observed in colon adenocarcinoma, may contribute to cancer progression by up-regulating cell motility. 2005 , 65, 4645-52	256
1636	Cyclic FEE peptide increases human gamete fusion and potentiates its RGD-induced inhibition. 2005 , 20, 3452-8	15
1635	Netrin-Integrin Signaling in Epithelial Morphogenesis, Axon Guidance and Vascular Patterning. 2005 , 4, 429-433	55
1634	Effects of disrupted beta1-integrin function on the skeletal response to short-term hindlimb unloading in mice. 2005 , 98, 690-6	30
1633	Respuesta inmunitaria celular cutánea. Un esquema fisiológico, patológico y farmacológico. 2005 , 20, 115-128	
1632	Interactions of the integrin subunit beta1A with protein kinase B/Akt, p130Cas and paxillin contribute to regulation of radiation survival. 2005 , 76, 129-34	20
1631	Membrane ruffles in cell migration: indicators of inefficient lamellipodia adhesion and compartments of actin filament reorganization. 2005 , 302, 83-95	120
1630	Laminin isoforms: biological roles and effects on the intracellular distribution of nuclear proteins in intestinal epithelial cells. 2005 , 303, 494-503	48
1629	Cellular and molecular facets of keratinocyte reepithelization during wound healing. 2005 , 304, 274-86	288

1628	Proteolysis leads to the appearance of the long form of beta3-endonexin in human platelets. 2005 , 305, 427-35	2
1627	Matrix metalloproteinase activity synergizes with alpha2beta1 integrins to enhance collagen remodeling. 2005 , 310, 79-87	22
1626	Fibronectin fragmentation promotes alpha4beta1 integrin-mediated contraction of a fibrin-fibronectin provisional matrix. 2005 , 309, 48-55	57
1625	Endocytosis of beta1 integrins is an early event in migration promoted by the cell adhesion molecule L1. 2006 , 312, 299-307	38
1624	The expression of alpha4 integrins by human polymorphonuclear neutrophils in response to sonicated extracts of <i>Enterococcus faecalis</i> . 2005 , 31, 369-72	6
1623	Assembly and signaling of adhesion complexes. 2005 , 68, 183-225	37
1622	Targeting leukocyte integrins in human diseases. 2005 , 77, 129-40	124
1621	Multiple loop conformations of peptides predicted by molecular dynamics simulations are compatible with nuclear magnetic resonance. 2005 , 44, 4829-40	13
1620	T-cell dynamics of inflammatory skin diseases. 2005 , 1, 357-68	
1619	The alpha(v)beta6 integrin receptor for Foot-and-mouth disease virus is expressed constitutively on the epithelial cells targeted in cattle. 2005 , 86, 2769-2780	82
1618	Dynamic monitoring of cell adhesion and spreading on microelectronic sensor arrays. 2005 , 10, 795-805	177
1617	Possible future issues in the treatment of glioblastomas: special emphasis on cell migration and the resistance of migrating glioblastoma cells to apoptosis. 2005 , 23, 2411-22	454
1616	The crystal structure of the plexin-semaphorin-integrin domain/hybrid domain/I-EGF1 segment from the human integrin beta2 subunit at 1.8-A resolution. 2005 , 280, 30586-93	33
1615	Bifunctional peptides derived from homologous loop regions in the laminin alpha chain LG4 modules interact with both alpha 2 beta 1 integrin and syndecan-2. 2005 , 44, 9581-9	12
1614	Bio-adhesive surfaces to promote osteoblast differentiation and bone formation. 2005 , 84, 407-13	230
1613	Compositional characterization of the cytoskeleton of NK-like cells. 2005 , 4, 2081-7	22
1612	Development and characterization of a high-throughput system for assessing cell-surface receptor-ligand engagement. 2005 , 21, 8374-84	41
1611	Ligand binding analysis for human alpha5beta1 integrin: strategies for designing new alpha5beta1 integrin antagonists. 2005 , 48, 4204-7	70

1610	Integrins in metastatic adenoid cystic carcinoma. 2005 , 34, 912-4	4
1609	Lsc regulates marginal-zone B cell migration and adhesion and is required for the IgM T-dependent antibody response. 2005 , 23, 527-38	64
1608	Identification of the beta1-integrin binding site on alpha-actinin by cryoelectron microscopy. 2005 , 149, 290-302	28
1607	Integrin evolution: insights from ascidian and teleost fish genomes. 2005 , 24, 83-95	63
1606	Distinct structural requirements for binding of the integrins alphavbeta6, alphavbeta3, alphavbeta5, alpha5beta1 and alpha9beta1 to osteopontin. 2005 , 24, 418-27	112
1605	Focal adhesion kinase is required for bombesin-induced prostate cancer cell motility. 2005 , 235, 51-61	20
1604	Activation of integrin alpha5beta1 delays apoptosis of Ntera2 neuronal cells. 2005 , 28, 588-98	29
1603	Integrin alpha8beta1-fibronectin interactions promote cell survival via PI3 kinase pathway. 2005 , 329, 305-11	34
1602	Tumstatin, the NC1 domain of alpha3 chain of type IV collagen, is an endogenous inhibitor of pathological angiogenesis and suppresses tumor growth. 2005 , 333, 292-8	92
1601	Functional cytoplasmic domains of the Mac-1 integrin receptor in phorbol ester-treated U937 cells. 2005 , 335, 858-64	3
1600	Role of interaction with vinculin in recruitment of vinexins to focal adhesions. 2005 , 336, 239-46	29
1599	Insulin-like growth factor-I attenuates the inhibitory effect of type I collagen through beta1 integrin receptor. 2005 , 336, 836-41	4
1598	Differential activation of LFA-1 and Mac-1 ligand binding domains. 2005 , 337, 142-8	7
1597	Transcriptional regulation of alpha5beta1 integrin, fibronectin, VCAM-1, MCSF-1/c-fms, and MCP-1 in atrioventricular valves after valvular surgery and Staphylococcus aureus bacteremia. 2005 , 31, 465-72	3
1596	Cytokines and junction restructuring during spermatogenesis--a lesson to learn from the testis. 2005 , 16, 469-93	75
1595	Primary structure and antiplatelet mechanism of a snake venom metalloproteinase, acurhagin, from Agkistrodon acutus venom. 2005 , 87, 1065-77	41
1594	Linking integrin to IP(3) signaling is important for ovulation in Caenorhabditis elegans. 2005 , 579, 549-53	15
1593	Focal adhesion molecules as potential target of lead toxicity in NRK-52E cell line. 2005 , 579, 6251-8	16

1592	A beta4 integrin-like protein co-localises with a phosphotyrosine containing protein in the oomycete <i>Achlya bisexualis</i> : inhibition of tyrosine phosphorylation slows tip growth. 2005 , 42, 534-45	10
1591	Recombinant alpha2(IV)NC1 domain inhibits tumor cell-extracellular matrix interactions, induces cellular senescence, and inhibits tumor growth in vivo. 2005 , 166, 901-11	42
1590	Primary afferent second messenger cascades interact with specific integrin subunits in producing inflammatory hyperalgesia. 2005 , 115, 191-203	48
1589	Cellular interactions with elastin. 2005 , 53, 390-8	91
1588	Localization of porcine CD29 transcripts and protein in pig cells and tissues by RT-PCR and immunohistochemistry. 2005 , 104, 281-8	6
1587	Blastocysts don't go it alone. Extrinsic signals fine-tune the intrinsic developmental program of trophoblast cells. 2005 , 280, 260-80	99
1586	Snake venom disintegrins: evolution of structure and function. 2005 , 45, 1063-74	214
1585	Role of the snake venom toxin jararhagin in proinflammatory pathogenesis: in vitro and in vivo gene expression analysis of the effects of the toxin. 2005 , 441, 1-15	53
1584	Activation of focal adhesion kinase enhances the adhesion and invasion of pancreatic cancer cells via extracellular signal-regulated kinase-1/2 signaling pathway activation. 2005 , 4, 37	93
1583	Mechanisms of action for treatments in multiple sclerosis: Does a heterogeneous disease demand a multi-targeted therapeutic approach?. 2005 , 19, 299-308	27
1582	Mechanisms in photodynamic therapy: part two-cellular signaling, cell metabolism and modes of cell death. 2005 , 2, 1-23	454
1581	Integrin and extracellular matrix interactions regulate engraftment of transplanted hepatocytes in the rat liver. 2005 , 129, 1643-53	62
1580	Intermediate filament associated proteins. 2005 , 70, 143-202	78
1579	Cell biology of the neurovascular unit: implications for drug delivery across the blood-brain barrier. 2005 , 3, 89-95	38
1578	Platelet Function. 2005 ,	7
1577	Molecular Mechanisms of Phagocytosis. 2005 ,	9
1576	Identification of a human peripheral blood monocyte subset that differentiates into osteoclasts. 2006 , 8, R152	102
1575	Bioinformatics and Drug Discovery. 2006 ,	1

1574 Cardiovascular Disease. **2006,**

1573 Nuclear magnetic resonance-based screening methods for drug discovery. **2006,** 316, 227-89 4

1572 ADHESION, CELL-CELL | Vascular. **2006,** 29-37 0

1571 Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. **2006,** 896-896

1570 Molecular mechanisms of cellular mechanics. **2006,** 8, 3692-706 59

1569 Tyrosine phosphorylation of the integrin beta 3 subunit regulates beta 3 cleavage by calpain. **2006,** 281, 29426-30 44

1568 Constitutive integrin activation on tumor cells contributes to progression of leptomeningeal metastases. **2006,** 8, 127-36 11

1567 Early steps in rotavirus cell entry. **2006,** 309, 39-66 80

1566 Sequential activation of p38 and ERK pathways by cGMP-dependent protein kinase leading to activation of the platelet integrin alphaIIb beta3. **2006,** 107, 965-72 128

1565 Mechanism and dynamics of cadherin adhesion. **2006,** 8, 259-87 161

1564 Interfaces to Control Cell-Biomaterial Adhesive Interactions. 171-190 69

1563 Integrins and angiogenesis: a sticky business. **2006,** 312, 651-8 174

1562 Evidence for a differential functional regulation of the two beta(3)-integrins alpha(V)beta(3) and alpha(IIb)beta(3). **2006,** 312, 925-37 20

1561 Cortactin affects cell migration by regulating intercellular adhesion and cell spreading. **2006,** 312, 1658-70 64

1560 MEGAP impedes cell migration via regulating actin and microtubule dynamics and focal complex formation. **2006,** 312, 2379-93 47

1559 Melanocyte transformation associated with substrate adhesion impediment. **2006,** 8, 231-41 51

1558 General principles and pharmacology of biologics in inflammatory bowel disease. **2006,** 35, 757-73 24

1557 Endometrial receptivity markers, the journey to successful embryo implantation. **2006,** 12, 731-46 533

1556	Tumor stroma and regulation of cancer development. 2006 , 1, 119-50	750
1555	Dynamics of assembly and reorganization of extracellular matrix proteins. 2006 , 75, 1-24	73
1554	The effects of isolation on chondrocyte gene expression. 2006 , 12, 2573-81	39
1553	Dynamic and label-free cell-based assays using the real-time cell electronic sensing system. 2006 , 4, 597-607	148
1552	Analyzing FAK and Pyk2 in early integrin signaling events. 2006 , Chapter 14, Unit 14.7	9
1551	Cell-Cell Interactions. 2006 ,	
1550	Molecular and diagnostic aspects of genetic skin fragility. 2006 , 44, 129-44	35
1549	Calcium site mutations in cadherin: impact on adhesion and evidence of cooperativity. 2006 , 45, 6930-9	46
1548	RGD conjugation to polyethyleneimine does not improve DNA delivery to bone marrow stromal cells. 2006 , 7, 1481-8	35
1547	Integrin antagonists as therapeutics for inflammatory diseases. 2006 , 15, 1235-55	25
1546	Regulation of integrin alphaIIb beta3 activation by distinct regions of its cytoplasmic tails. 2006 , 45, 6656-62	55
1545	Conformational analysis of an alpha3 beta1 integrin-binding peptide from thrombospondin-1: implications for antiangiogenic drug design. 2006 , 49, 6324-33	10
1544	Concepts in receptor optimization: targeting the RGD peptide. 2006 , 128, 4675-84	36
1543	Stabilization of the activated alphaM beta2 integrin by a small molecule inhibits leukocyte migration and recruitment. 2006 , 45, 2862-71	17
1542	Membrane microdomains, caveolae, and caveolar endocytosis of sphingolipids. 2006 , 23, 101-10	107
1541	TA205, an anti-talin monoclonal antibody, inhibits integrin-talin interaction. 2006 , 580, 2027-32	6
1540	Selective recruitment of src family kinase Hck by leukocyte integrin alphaM beta2 but not alphaL beta2 or alphaX beta2. 2006 , 580, 4435-42	11
1539	Phosphoinositide-mediated adaptor recruitment controls Toll-like receptor signaling. <i>Cell</i> , 2006 , 125, 943-55	56.2 651

1538	The singular history of a canine transmissible tumor. <i>Cell</i> , 2006 , 126, 445-7	56.2	16
1537	ErbB2 makes beta 4 integrin an accomplice in tumorigenesis. <i>Cell</i> , 2006 , 126, 443-5	56.2	10
1536	Sialilated beta1,6 branched N-oligosaccharides modulate adhesion, chemotaxis and motility of melanoma cells: Effect on invasion and spontaneous metastasis properties. 2006 , 1760, 1393-402		26
1535	Effect of photo-immobilization of epidermal growth factor on the cellular behaviors. 2006 , 345, 255-9		27
1534	Detection of constitutive heterodimerization of the integrin Mac-1 subunits by fluorescence resonance energy transfer in living cells. 2006 , 346, 986-91		20
1533	Vitronectin and collagen I differentially regulate osteogenesis in mesenchymal stem cells. 2006 , 347, 347-57		132
1532	Down-regulation of integrin alpha M beta 2 ligand-binding function by the urokinase-type plasminogen activator receptor. 2006 , 348, 1184-93		9
1531	Combination of integrin siRNA and irradiation for breast cancer therapy. 2006 , 351, 726-32		30
1530	Detection of constitutive homomeric associations of the integrins Mac-1 subunits by fluorescence resonance energy transfer in living cells. 2006 , 351, 847-52		8
1529	Integrin-mediated cell-matrix interactions for prosurvival and antiapoptotic signaling after genotoxic injury. 2006 , 242, 11-9		49
1528	Integrin alpha 11 is a novel type I interferon stimulated gene. 2006 , 33, 352-61		3
1527	Differences in integrin-dependent phagocytosis among three hemocyte subpopulations of the Pacific oyster "Crassostrea gigas". 2006 , 30, 667-83		53
1526	Csk-deficient boundary cells are eliminated from normal Drosophila epithelia by exclusion, migration, and apoptosis. 2006 , 10, 33-44		156
1525	Tandem Sp1/Sp3 sites together with an Ets-1 site cooperate to mediate alpha11 integrin chain expression in mesenchymal cells. 2006 , 25, 118-29		20
1524	Ligand density and integrin repertoire regulate cellular response to LPA. 2006 , 25, 223-31		17
1523	Guest editorial letter: Molecular machines in the matrix?. 2006 , 25, 200-1		2
1522	Integrin alpha3beta1 suppresses long-term potentiation at inhibitory synapses on the cerebellar Purkinje neuron. 2006 , 31, 416-26		44
1521	Increased expression of the beta4 and alpha5 integrin subunits in cerebral blood vessels of transgenic mice chronically producing the pro-inflammatory cytokines IL-6 or IFN-alpha in the central nervous system. 2006 , 33, 429-40		37

1520	Structure of the alpha-actinin-vinculin head domain complex determined by cryo-electron microscopy. 2006 , 357, 562-73	34
1519	Beta-propeller crystal structure of Psathyrella velutina lectin: an integrin-like fungal protein interacting with monosaccharides and calcium. 2006 , 357, 1575-91	74
1518	The molecular basis of filamin binding to integrins and competition with talin. 2006 , 21, 337-47	315
1517	Structural and inhibitory properties of a plant proteinase inhibitor containing the RGD motif. 2006 , 40, 22-9	25
1516	Induction of a homeostatic circuit in lung tissue by microbial compounds. 2006 , 24, 475-87	81
1515	Adhere upright: a switchblade-like extension of beta2 integrins. 2006 , 25, 521-2	12
1514	Lipopolysaccharide transiently activates THP-1 cell adhesion. 2006 , 135, 137-43	12
1513	Galectin binding to Mgat5-modified N-glycans regulates fibronectin matrix remodeling in tumor cells. 2006 , 26, 3181-93	158
1512	Extracellular matrix and integrin signaling in lens development and cataract. 2006 , 17, 759-76	54
1511	Transcriptional regulation of post-aggregation genes in Dictyostelium by a feed-forward loop involving GBF and LagC. 2006 , 290, 460-9	43
1510	Focal adhesion kinase is essential for costamereogenesis in cultured skeletal muscle cells. 2006 , 293, 38-52	81
1509	Defective blood vessel development and pericyte/pvSMC distribution in alpha 4 integrin-deficient mouse embryos. 2006 , 293, 165-77	49
1508	Focal adhesions: what's new inside. 2006 , 294, 280-91	129
1507	The echinoderm adhesome. 2006 , 300, 252-66	138
1506	Binding assays with artificial tethered membranes using surface plasmon resonance. 2006 , 39, 134-46	22
1505	Local blockade of integrins in the temporomandibular joint region reduces Fos-positive neurons in trigeminal subnucleus caudalis of female rats produced by jaw movement. 2006 , 125, 65-73	7
1504	Expression of collagen-binding integrin receptors in the mammalian sclera and their regulation during the development of myopia. 2006 , 47, 4674-82	52
1503	[Cell survival: differences and differentiation]. 2006 , 22, 423-9	7

1502 Integrin β , keratinocytes and papillomavirus infection (Review). **2006**, 17, 195

1501 USE OF HYDRODYNAMIC SHEAR STRESS TO ANALYZE CELL ADHESION. **2006**, 51-80

1

1500 The role of tissue transglutaminase in cell-matrix interactions. **2006**, 11, 1057-76

137

1499 Mechanosensation and Transduction in Osteocytes. **2006**, 3, 7-15

198

1498 Cellular Biology of the Normal Liver. **2006**, 17-41

1497 Structure-Function Relations in the Pancreatic Acinar Cell. **2006**, 1313-1335

1

1496 ADHESION, CELLMATRIX | Focal Contacts and Signaling. **2006**, 41-47

2

1495 ADHESION, CELLMATRIX | Integrins. **2006**, 47-53

1

1494 Cell Junctions, Structure, Function, and Regulation. **2006**,

1493 Differential roles for beta2 integrins in experimental autoimmune bullous pemphigoid. **2006**, 107, 1063-9

29

1492 Dynamic shifts in LFA-1 affinity regulate neutrophil rolling, arrest, and transmigration on inflamed endothelium. **2006**, 107, 2101-11

71

1491 Lack of alpha4 integrin expression in stem cells restricts competitive function and self-renewal activity. **2006**, 107, 2959-67

73

1490 The small GTPase Rap1b regulates the cross talk between platelet integrin alpha2beta1 and integrin alphaIIb beta3. **2006**, 107, 2728-35

68

1489 Adult murine hematopoiesis can proceed without beta1 and beta7 integrins. **2006**, 108, 1857-64

53

1488 Blockade of alpha v beta3 and alpha v beta5 integrins by RGD mimetics induces anoikis and not integrin-mediated death in human endothelial cells. **2006**, 108, 3035-44

83

1487 Plasma-membrane-associated sialidase (NEU3) differentially regulates integrin-mediated cell proliferation through laminin- and fibronectin-derived signalling. **2006**, 394, 647-56

71

1486 Molecular cloning of disintegrins from *Cerastes vipera* and *Macrovipera lebetina transmediterranea* venom gland cDNA libraries: insight into the evolution of the snake venom integrin-inhibition system. **2006**, 395, 385-92

42

1485 Matrix, Extracellular and Interstitial. **2006**,

4

1484	Novel KIND1 gene mutation in Kindler syndrome with severe gastrointestinal tract involvement. 2006 , 142, 1619-24	39
1483	Integrins: Signalling and Disease. 2006 ,	
1482	Integrins. 2006 ,	
1481	Integrin-Mediated Drug Resistance. 2006 , 1, 227-237	9
1480	Glioblastoma Cell Motility: The Role of FAK and Cellular SRC. 2006 , 221-243	
1479	Role of adhesion molecules in synovial inflammation. 2006 , 18, 268-76	64
1478	Identification of multiple integrin beta1 homologs in zebrafish (<i>Danio rerio</i>). 2006 , 7, 24	26
1477	Macrophage Serum-Based Adhesion to Plasma-Processed Surface Chemistry is Distinct from That Exhibited by Fibroblasts. 2006 , 3, 485-497	27
1476	Functional modification of biodegradable polyesters through a chemoselective approach: application to biomaterial surfaces. 2006 , 55, 1385-1397	37
1475	Two types of transmembrane homomeric interactions in the integrin receptor family are evolutionarily conserved. 2006 , 63, 16-23	17
1474	Synthetic RGD-containing alpha-helical coiled coil peptides promote integrin-dependent cell adhesion. 2006 , 12, 206-12	43
1473	Mechanical stretch induces clustering of beta1-integrins and facilitates adhesion. 2006 , 15, 347-55	38
1472	Up-regulation of PK11195 binding in areas of axonal degeneration coincides with early microglial activation in mouse brain. 2006 , 24, 991-1000	22
1471	Further insights into the role of angiotensin II in kidney development. 2006 , 26, 197-204	15
1470	A naturally occurring LeuVal mutation in beta3-integrin impairs the HPA-1a epitope: the third allele of HPA-1. 2006 , 46, 790-9	23
1469	Critical role of ADP interaction with P2Y12 receptor in the maintenance of alpha(IIb)beta3 activation: association with Rap1B activation. 2006 , 4, 1379-87	44
1468	Role of fibronectin assembly in platelet thrombus formation. 2006 , 4, 1461-9	95
1467	Extraenzymatic functions of the dipeptidyl peptidase IV-related proteins DP8 and DP9 in cell adhesion, migration and apoptosis. 2006 , 273, 2447-60	56

1466	Basic fibroblast growth factor stimulates human keratinocyte motility by Rac activation. 2006 , 14, 457-62	60
1465	The hepatocyte integrin system and cell volume sensing. 2006 , 187, 249-55	38
1464	Alphavbeta6 integrin in wound healing and cancer of the oral cavity. 2006 , 35, 1-10	123
1463	Molecular aspects of tissue engineering in the dental field. 2006 , 41, 88-108	29
1462	Integrin trafficking and the control of cell migration. 2006 , 7, 14-21	269
1461	[A trip through the signaling pathways of melanoma]. 2006 , 4, 205-17	9
1460	Ein Streifzug durch die (Signal-)Wege des malignen Melanoms. 2006 , 4, ---	
1459	Molecular mechanisms of cancer cell invasion and plasticity. 2006 , 154 Suppl 1, 11-5	118
1458	Increased expression of collagen receptors: alpha1beta1 and alpha2beta1 integrins on blood eosinophils in bronchial asthma. 2006 , 36, 1184-91	13
1457	PP2C family members play key roles in regulation of cell survival and apoptosis. 2006 , 97, 563-7	77
1456	An interaction between integrin and the talin FERM domain mediates integrin activation but not linkage to the cytoskeleton. 2006 , 8, 601-6	100
1455	Combinatorial chemistry identifies high-affinity peptidomimetics against alpha4beta1 integrin for in vivo tumor imaging. 2006 , 2, 381-9	207
1454	ILK, PINCH and parvin: the tIPP of integrin signalling. 2006 , 7, 20-31	547
1453	New signals from the invasive front. 2006 , 441, 444-50	780
1452	Dynamic study of the transition from hyaluronan- to integrin-mediated adhesion in chondrocytes. 2006 , 25, 302-11	62
1451	Imaging of cell migration. 2006 , 25, 3480-93	76
1450	Efficient dendritic cell priming of T lymphocytes depends on the extracellular matrix protein mindin. 2006 , 25, 4097-107	40
1449	CAP interacts with cytoskeletal proteins and regulates adhesion-mediated ERK activation and motility. 2006 , 25, 5284-93	43

1448	Wound healing is defective in mice lacking tetraspanin CD151. 2006 , 126, 680-9	73
1447	Modulation of cell-fibronectin matrix interactions during tissue repair. 2006 , 11, 73-8	68
1446	Genomic amplification of MET with boundaries within fragile site FRA7G and upregulation of MET pathways in esophageal adenocarcinoma. 2006 , 25, 409-18	143
1445	beta1-integrin-mediated signaling essentially contributes to cell survival after radiation-induced genotoxic injury. 2006 , 25, 1378-90	129
1444	C2GnT-M is downregulated in colorectal cancer and its re-expression causes growth inhibition of colon cancer cells. 2006 , 25, 3267-76	65
1443	Novel potent and selective alphavbeta3/alphavbeta5 integrin dual antagonists with reduced binding affinity for human serum albumin. 2006 , 41, 847-61	13
1442	Surface engineering approaches to micropattern surfaces for cell-based assays. 2006 , 27, 3044-63	800
1441	Contribution of alpha2beta1, alpha3beta1, alpha6beta4 integrins and 67 kDa laminin receptor to the interaction of epidermoid carcinoma A-431 cells with laminin-2/4. 2006 , 30, 784-92	4
1440	The dependence of fibrillar adhesions in human fibroblasts on substratum chemistry. 2006 , 27, 234-45	63
1439	Targeting integrins: insights into structure and activity of cyclic RGD pentapeptide mimics containing azabicycloalkane amino acids. 2006 , 14, 169-80	58
1438	Three-dimensional nanofibrillar surfaces promote self-renewal in mouse embryonic stem cells. 2006 , 24, 426-33	200
1437	Integrins in slow-cycling corneal epithelial cells at the limbus in the mouse. 2006 , 24, 1075-86	68
1436	Integrins are markers of human neural stem cells. 2006 , 24, 2078-84	129
1435	Alpha9beta1: a novel osteoclast integrin that regulates osteoclast formation and function. 2006 , 21, 1657-65	63
1434	Integrin alpha11beta3:ligand interactions are linked to binding-site remodeling. 2006 , 15, 1893-906	24
1433	Nanobiotechnological approach to engineered biomaterial design: the example of elastin-like polymers. 2006 , 1, 267-80	23
1432	Cardiovascular gene delivery: The good road is awaiting. 2006 , 58, 604-29	50
1431	ADAMs, cell migration and cancer. 2006 , 25, 57-68	100

1430	Molecular phenotypes of notochordal cells purified from immature nucleus pulposus. 2006 , 15 Suppl 3, S303-11	97
1429	High-level expression of a recombinant fragment of human fibronectin containing the Cell I-Hep II-IIIICS71 domain in Escherichia coli as a soluble protein. 2006 , 28, 1141-6	4
1428	Integrin alpha2beta1 deficiency does not affect contact hypersensitivity. 2006 , 298, 201-5	3
1427	Cells move when ions and water flow. 2007 , 453, 421-32	137
1426	Expression and localisation of alphav integrins in human odontoblasts. 2006 , 323, 457-63	18
1425	Metastasis: cell-autonomous mechanisms versus contributions by the tumor microenvironment. 2006 , 63, 449-68	190
1424	Focal adhesions as mechanosensors: the two-spring model. 2006 , 83, 225-32	134
1423	Cortactin is required for integrin-mediated cell spreading. 2006 , 104, 124-30	13
1422	Crosstalk between hepatocyte growth factor and integrin signaling pathways. 2006 , 13, 215-23	30
1421	Integrin activation--the importance of a positive feedback. 2006 , 68, 945-56	19
1420	Integrins: molecular targets in cancer therapy. 2006 , 8, 96-103	183
1419	Conformational spread: The propagation of allosteric states in large multiprotein complexes. 2006 , 17, 221-241	
1418	The inhibitory effects of endostatin on endothelial cells are modulated by extracellular matrix. 2006 , 312, 2476-89	18
1417	Carboxypeptidase cathepsin X mediates beta2-integrin-dependent adhesion of differentiated U-937 cells. 2006 , 312, 2515-27	64
1416	P-selectin activates integrin-mediated colon carcinoma cell adhesion to fibronectin. 2006 , 312, 4056-69	30
1415	The epigenetic reprogramming of poorly aggressive melanoma cells by a metastatic microenvironment. 2006 , 10, 174-96	25
1414	Pathophysiology of leukocyte-tissue interactions. 2006 , 18, 491-8	15
1413	Beta1 integrins: zip codes and signaling relay for blood cells. 2006 , 18, 482-90	50

1412	Integrin-linked kinase and its partners: a modular platform regulating cell-matrix adhesion dynamics and cytoskeletal organization. 2006 , 85, 255-63	38
1411	Rap1: a turnabout for the crosstalk between cadherins and integrins. 2006 , 85, 283-93	70
1410	Unraveling ICAP-1 function: toward a new direction?. 2006 , 85, 275-82	17
1409	DCC regulates cell adhesion in human colon cancer derived HT-29 cells and associates with ezrin. 2006 , 85, 769-83	38
1408	Inhibition of human immunodeficiency virus type 1 infection in macrophages by an alpha-v integrin blocking antibody. 2006 , 69, 173-80	25
1407	Reconstructing and deconstructing agonist-induced activation of integrin alphaIIb beta3. 2006 , 16, 1796-806	370
1406	Laminin activates CaMK-II to stabilize nascent embryonic axons. 2006 , 1092, 59-68	31
1405	Functional distinctions of protein kinase B/Akt isoforms defined by their influence on cell migration. 2006 , 16, 461-6	149
1404	Weak protein-protein interactions as probed by NMR spectroscopy. 2006 , 24, 22-7	120
1403	A novel flow-cytometry-based assay for quantification of affinity and avidity changes of integrins. 2006 , 310, 67-77	30
1402	The role of the phosphatidylinositide 3-kinase-protein kinase B pathway in schizophrenia. 2006 , 110, 117-34	87
1401	Breaking up the tie: disintegrin-like metalloproteinases as regulators of cell migration in inflammation and invasion. 2006 , 111, 985-1006	102
1400	Extracellular matrix scaffolds for tissue engineering heart valves. 2006 , 21, 219-225	35
1399	Cross-platform expression profiling demonstrates that SV40 small tumor antigen activates Notch, Hedgehog, and Wnt signaling in human cells. 2006 , 6, 54	15
1398	Gerinnungshemmende Wirkung von Schlangengiften: Freie Fahrt für fließendes Blut. 2006 , 40, 326-337	1
1397	A 50 Hz sinusoidal magnetic field does not damage MG-63 three-dimensional tumor spheroids but induces changes in their invasive properties. 2006 , 27, 132-41	7
1396	Up-regulated transforming growth factor beta-inducible gene h3 in rheumatoid arthritis mediates adhesion and migration of synoviocytes through alpha v beta3 integrin: Regulation by cytokines. 2006 , 54, 2734-44	46
1395	Synthetic multivalent ligands as probes of signal transduction. 2006 , 45, 2348-68	706

1394	Role of integrin beta1-like protein in proliferation and differentiation of cultured stem cells from midgut of <i>Heliothis virescens</i> . 2006 , 61, 55-64	7
1393	Cellular response to phase-separated blends of tyrosine-derived polycarbonates. 2006 , 76, 491-502	16
1392	Surface modification and initial adhesion events for intestinal epithelial cells. 2006 , 76, 272-8	10
1391	Cartilage tissue engineering using human auricular chondrocytes embedded in different hydrogel materials. 2006 , 78, 1-11	158
1390	Adhesion of mesenchymal stem cells to polymer scaffolds occurs via distinct ECM ligands and controls their osteogenic differentiation. 2006 , 78, 73-85	166
1389	Laminin peptide-conjugated chitosan membrane: Application for keratinocyte delivery in wounded skin. 2006 , 79, 716-22	41
1388	Phosphorylation and glycosylation interplay: protein modifications at hydroxy amino acids and prediction of signaling functions of the human beta3 integrin family. 2006 , 99, 706-18	22
1387	Integrin signaling and cell spreading mediated by phorbol 12-myristate 13-acetate treatment. 2006 , 99, 88-95	16
1386	New concepts regarding focal adhesion kinase promotion of cell migration and proliferation. 2006 , 99, 35-52	233
1385	Effect of laminin-1 on intestinal cell differentiation involves inhibition of nuclear nucleolin. 2006 , 206, 545-55	42
1384	Stat5 in the mammary gland: controlling normal development and cancer. 2006 , 209, 305-13	45
1383	Dominant-negative beta1 integrin mice have region-specific myelin defects accompanied by alterations in MAPK activity. 2006 , 53, 836-44	50
1382	Early activation, motility, and homing of neonatal microglia to injured neurons does not require protein synthesis. 2006 , 54, 58-70	40
1381	Regulation of prostate cell collagen receptors by malignant transformation. 2006 , 118, 889-98	21
1380	Synthetische multivalente Liganden als Sonden für die Signaltransduktion. 2006 , 118, 2408-2429	120
1379	What is the role of the vasculature in the neural stem cell niche?. 2006 , 1, 481-484	
1378	The minimum element of a synthetic peptide required to block prostate tumor cell migration. 2006 , 5, 1556-62	10
1377	Collagen XVI harbors an integrin alpha1 beta1 recognition site in its C-terminal domains. 2006 , 281, 25745-56	43

1376	Osmosensing and signaling in the regulation of liver function. 2006 , 152, 198-209	12
1375	Integrin-mediated adhesion regulates membrane order. 2006 , 174, 725-34	217
1374	Absence of alpha 7 integrin in dystrophin-deficient mice causes a myopathy similar to Duchenne muscular dystrophy. 2006 , 15, 989-98	87
1373	Integrins in the ovary. 2006 , 24, 251-61	22
1372	Interfering with leukocyte integrin activation--a novel concept in the development of anti-inflammatory drugs. 2006 , 38, 503-11	15
1371	The heparin binding domain of vitronectin is the region that is required to enhance insulin-like growth factor-I signaling. 2006 , 20, 881-92	33
1370	Expression cloning of signaling proteins regulated by cell adhesion. 2006 , 341, 155-65	2
1369	Cell adhesion and migration assays. 2006 , 129, 267-78	7
1368	Blockade of chemokine-mediated tissue injury in lupus nephritis. 2006 , 6, 313-21	4
1367	Dissection of the hyperadhesive phenotype of airway eosinophils in asthma. 2006 , 35, 378-86	43
1366	Integrin regulation by vascular endothelial growth factor in human brain microvascular endothelial cells: role of alpha6beta1 integrin in angiogenesis. 2006 , 281, 40450-60	54
1365	Insulin-like growth factor-I signaling in smooth muscle cells is regulated by ligand binding to the 177CYDMKTTTC184 sequence of the beta3-subunit of alphaVbeta3. 2006 , 20, 405-13	44
1364	Control of differentiation in progression of epithelial tumors. 2006 , 95, 61-113	22
1363	Integrins and Other Adhesion Molecules. 2006 , 129-151	3
1362	Heterogeneity of Platelet Alloantigens and Alloantibodies: New Insights into Structure and Function. 2006 , 33, 244-253	10
1361	Integrin signalling: the tug-of-war in heart hypertrophy. 2006 , 70, 422-33	134
1360	Regulation of cell-matrix adhesion dynamics and Rac-1 by integrin linked kinase. 2006 , 20, 1489-91	45
1359	Rho GTPase protein expression and activation in murine monocytes/macrophages is not modulated by model biomaterial surfaces in serum-containing in vitro cultures. 2006 , 17, 1141-1158	20

1358	Novel role for alphavbeta5-integrin in retinal adhesion and its diurnal peak. 2006 , 290, C1256-62	57
1357	Gene expression profiling identifies regulatory pathways involved in the late stage of rat fetal lung development. 2006 , 291, L1027-37	20
1356	Role of integrin alpha1beta1 in the regulation of renal medullary osmolyte concentration. 2006 , 290, F223-31	28
1355	Integrins, membrane-type matrix metalloproteinases and ADAMs: potential implications for cardiac remodeling. 2006 , 69, 574-84	56
1354	Arg-Gly-Asp (RGD)-containing peptides increase soluble guanylate cyclase in contractile cells. 2006 , 69, 359-69	11
1353	LFA-1 as a key regulator of immune function: approaches toward the development of LFA-1-based therapeutics. 2006 , 12, 2771-95	53
1352	Adhesion dependent signalling in the tumour microenvironment: the future of drug targeting. 2006 , 12, 2833-48	21
1351	Stem cells in cardiovascular disease: methods and protocols. 2006 , 129, 329-51	6
1350	Integrin traffic. 2006 , 119, 3723-31	180
1349	Integrins in cancer treatment. 2006 , 6, 89-105	77
1348	Targeting RGD recognizing integrins: drug development, biomaterial research, tumor imaging and targeting. 2006 , 12, 2723-47	246
1347	Pathological shear stress directly regulates platelet alphaIIb beta3 signaling. 2006 , 291, C1346-54	29
1346	HMG-CoA reductase inhibitor simvastatin mitigates VEGF-induced "inside-out" signaling to extracellular matrix by preventing RhoA activation. 2006 , 291, F995-1004	29
1345	Integrins in drug targeting-RGD templates in toxins. 2006 , 12, 2749-69	36
1344	Alpha 8 integrin expression is required for maintenance of the smooth muscle cell differentiated phenotype. 2006 , 71, 170-8	43
1343	Small GTPase Rab21 regulates cell adhesion and controls endosomal traffic of beta1-integrins. 2006 , 173, 767-80	253
1342	Increased solubility of integrin betaA domain using maltose-binding protein as a fusion tag. 2006 , 13, 431-5	7
1341	Mechanical stretch-induced hypertrophy of neonatal rat ventricular myocytes is mediated by beta(1)-integrin-microtubule signaling pathways. 2006 , 8, 16-22	29

1340	Therapeutic strategies in autoimmune diseases by interfering with leukocyte endothelium interaction. 2006 , 12, 3799-806	18
1339	Two distinct cytoplasmic regions of the beta2 integrin chain regulate RhoA function during phagocytosis. 2006 , 172, 1069-79	53
1338	Displacement of the {beta} cytoplasmic domain recovers focal adhesion formation, cytoskeletal organization and motility in swapped integrin chimeras. 2006 , 119, 1175-83	3
1337	gamma-Parvin is dispensable for hematopoiesis, leukocyte trafficking, and T-cell-dependent antibody response. 2006 , 26, 1817-25	19
1336	Synthetic D-amino acid peptide inhibits tumor cell motility on laminin-5. 2006 , 27, 1748-57	27
1335	Phosphoinositide-3 kinase-Rac1-c-Jun NH2-terminal kinase signaling mediates collagen I-induced cell scattering and up-regulation of N-cadherin expression in mouse mammary epithelial cells. 2006 , 17, 2963-75	69
1334	Integrin signaling through Arg activates p190RhoGAP by promoting its binding to p120RasGAP and recruitment to the membrane. 2006 , 17, 4827-36	104
1333	Src SH2 arginine 175 is required for cell motility: specific focal adhesion kinase targeting and focal adhesion assembly function. 2006 , 26, 4399-409	44
1332	Identification of an epitope within human integrin alpha 6 subunit for the binding of autoantibody and its role in basement membrane separation in oral pemphigoid. 2006 , 176, 1968-77	31
1331	Beta1 integrins modulate cell adhesion by regulating insulin-like growth factor-II levels in the microenvironment. 2006 , 66, 331-42	24
1330	Lack of beta1 integrins in enteric neural crest cells leads to a Hirschsprung-like phenotype. 2006 , 133, 1725-34	84
1329	Integrin-alpha6beta6, a putative receptor for foot-and-mouth disease virus, is constitutively expressed in ruminant airways. 2006 , 54, 807-16	27
1328	In vivo beta1 integrin function requires phosphorylation-independent regulation by cytoplasmic tyrosines. 2006 , 20, 927-32	35
1327	Expression of the receptor tyrosine kinase Tie2 in neoplastic glial cells is associated with integrin beta1-dependent adhesion to the extracellular matrix. 2006 , 4, 915-26	52
1326	Kidney failure in mice lacking the tetraspanin CD151. 2006 , 175, 33-9	200
1325	Role of focal adhesion kinase and phosphatidylinositol 3'-kinase in integrin fibronectin receptor-mediated, matrix metalloproteinase-1-dependent invasion by metastatic prostate cancer cells. 2006 , 66, 8091-9	79
1324	Use of surface-enhanced Raman spectroscopy for the detection of human integrins. 2006 , 11, 024004	29
1323	Small molecule approaches for promoting ischemic tissue vascularization. 2006 , 99, 231-3	1

1322	Human kallikrein 8 protease confers a favorable clinical outcome in non-small cell lung cancer by suppressing tumor cell invasiveness. 2006 , 66, 11763-70	49
1321	How the headpiece hinge angle is opened: New insights into the dynamics of integrin activation. 2006 , 175, 349-60	165
1320	Amino acid changes in Drosophila alphaPS2betaPS integrins that affect ligand affinity. 2006 , 281, 5050-7	17
1319	Platelet-derived growth factor BB-mediated normalization of dermal interstitial fluid pressure after mast cell degranulation depends on beta3 but not beta1 integrins. 2006 , 98, 635-41	35
1318	Angiopoietin 2 induces glioma cell invasion by stimulating matrix metalloprotease 2 expression through the alphavbeta1 integrin and focal adhesion kinase signaling pathway. 2006 , 66, 775-83	145
1317	Deletion of core fucosylation on alpha3beta1 integrin down-regulates its functions. 2006 , 281, 38343-50	101
1316	Handbook of Multiple Sclerosis. 2006 ,	6
1315	Matrix-specific suppression of integrin activation in shear stress signaling. 2006 , 17, 4686-97	123
1314	Neural stem cells and their manipulation. 2006 , 419, 23-52	7
1313	Feeder-free culture of human embryonic stem cells. 2006 , 420, 37-49	51
1312	The COOH-terminal globular domain of fibrinogen gamma chain suppresses angiogenesis and tumor growth. 2006 , 66, 9691-7	30
1311	Emodin inhibits tumor cell adhesion through disruption of the membrane lipid Raft-associated integrin signaling pathway. 2006 , 66, 5807-15	107
1310	Focal adhesions: paradigm for a signaling nexus. 2006 , 98, 606-16	211
1309	Beta1 integrin mediates internalization of mammalian reovirus. 2006 , 80, 2760-70	128
1308	Evidence for the requirement of ITAM domains but not SLP-76/Gads interaction for integrin signaling in hematopoietic cells. 2006 , 26, 6936-49	66
1307	Integrin signaling is critical for pathological angiogenesis. 2006 , 203, 2495-507	157
1306	A critical role for tetraspanin CD151 in alpha3beta1 and alpha6beta4 integrin-dependent tumor cell functions on laminin-5. 2006 , 17, 2707-21	121
1305	Angiopoietin-like 4 prevents metastasis through inhibition of vascular permeability and tumor cell motility and invasiveness. 2006 , 103, 18721-6	198

1304	Phosphorylated alpha-actinin and protein-tyrosine phosphatase 1B coregulate the disassembly of the focal adhesion kinase x Src complex and promote cell migration. 2006 , 281, 1746-54	38
1303	Integrin alpha2-mediated ERK and calpain activation play a critical role in cell adhesion and motility via focal adhesion kinase signaling: identification of a novel signaling pathway. 2006 , 281, 8497-510	86
1302	Adeno-associated virus type 2 contains an integrin alpha5beta1 binding domain essential for viral cell entry. 2006 , 80, 8961-9	136
1301	[Mammary gland development: Role of basal myoepithelial cells]. 2006 , 200, 193-8	9
1300	Development requires activation but not phosphorylation of beta1 integrins. 2006 , 20, 1057-60	4
1299	Semaphoring vascular morphogenesis. 2006 , 13, 81-91	43
1298	Semaphorin 4D/Plexin-B1-mediated R-Ras GAP activity inhibits cell migration by regulating beta(1) integrin activity. 2006 , 173, 601-13	84
1297	Initiation of attachment and generation of mature focal adhesions by integrin-containing filopodia in cell spreading. 2006 , 17, 4237-48	125
1296	Integrin ligands at a glance. 2006 , 119, 3901-3	1138
1295	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. 2006 , 919-925	2
1294	Role of integrin cross-regulation in parvovirus B19 targeting. 2006 , 17, 909-20	11
1293	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. 2005 , 587-587	
1292	N-glycosylation of the beta-propeller domain of the integrin alpha5 subunit is essential for alpha5beta1 heterodimerization, expression on the cell surface, and its biological function. 2006 , 281, 33258-67	84
1291	Perturbing integrin function inhibits microtubule growth from centrosomes, spindle assembly, and cytokinesis. 2006 , 174, 491-7	66
1290	Vascular integrins in tumor angiogenesis: mediators and therapeutic targets. 2006 , 13, 113-35	144
1289	Intracranial microenvironment reveals independent opposing functions of host alphaVbeta3 expression on glioma growth and angiogenesis. 2006 , 281, 37256-64	32
1288	Regulation of cell adhesion by protein-tyrosine phosphatases. I. Cell-matrix adhesion. 2006 , 281, 15593-6	48
1287	N-acetylglucosaminyltransferase III antagonizes the effect of N-acetylglucosaminyltransferase V on alpha3beta1 integrin-mediated cell migration. 2006 , 281, 32122-30	108

1286	Crystal structure of thrombin in a self-inhibited conformation. 2006 , 281, 32922-8	42
1285	Distinct roles of the beta 1-class integrins at the developing and the mature hippocampal excitatory synapse. 2006 , 26, 11208-19	113
1284	Differential engagement of modules 1 and 4 of vascular cell adhesion molecule-1 (CD106) by integrins alpha4beta1 (CD49d/29) and alphaMbeta2 (CD11b/18) of eosinophils. 2006 , 281, 32175-87	42
1283	Stepped changes of monovalent ligand-binding force during ligand-induced clustering of integrin alphaIIb beta3. 2006 , 281, 25466-74	6
1282	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. 2005 , 576-578	1
1281	Functional disruption of alpha4 integrin mobilizes bone marrow-derived endothelial progenitors and augments ischemic neovascularization. 2006 , 203, 153-63	99
1280	Localization of extracellular matrix receptors on the chondrocyte primary cilium. 2006 , 54, 1005-14	138
1279	CELL ADHESION-MEDIATED RADIATION RESISTANCE: THE ROLE OF INTEGRINS AND INTEGRIN PROXIMAL PROTEIN. 2006 , 141-162	1
1278	betaig-h3 triggers signaling pathways mediating adhesion and migration of vascular smooth muscle cells through alphavbeta5 integrin. 2006 , 38, 153-61	43
1277	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. 2006 , 856-859	
1276	Integrin alpha3beta1, a novel receptor for alpha3(IV) noncollagenous domain and a trans-dominant inhibitor for integrin alphavbeta3. 2006 , 281, 20932-20939	54
1275	Phosphatidylinositol mannoside from Mycobacterium tuberculosis binds alpha5beta1 integrin (VLA-5) on CD4+ T cells and induces adhesion to fibronectin. 2006 , 177, 2959-68	31
1274	Association of focal adhesion kinase with tuberous sclerosis complex 2 in the regulation of s6 kinase activation and cell growth. 2006 , 281, 37321-9	63
1273	Kindlin-1 is a phosphoprotein involved in regulation of polarity, proliferation, and motility of epidermal keratinocytes. 2006 , 281, 36082-90	105
1272	The role of angiotensin II in the regulation of breast cancer cell adhesion and invasion. 2006 , 13, 895-903	40
1271	Cell Motility in Cancer Invasion and Metastasis. 2006 ,	5
1270	Activation of platelet alphaIIbbeta3 by an exogenous peptide corresponding to the transmembrane domain of alphaIIb. 2006 , 281, 36732-41	42
1269	Integrin beta3 Leu33Pro polymorphism increases BRCA1-associated ovarian cancer risk. 2007 , 44, 408-11	10

1268	Vascular adhesion molecules in atherosclerosis. 2007 , 27, 2292-301	565
1267	Spatial Screening for the Identification of the Bioactive Conformation of Integrin Ligands. 2006 , 1-50	48
1266	Pharmacological inhibition of EGFR tyrosine kinase affects ILK-mediated cellular radiosensitization in vitro. 2007 , 83, 793-802	26
1265	Characterization of a novel monoclonal antibody with restricted specificity to the free beta 2 integrin alpha M CD11b subunit. 2007 , 26, 373-9	1
1264	Recessiveness and dominance in barley mutants deficient in Mg-chelatase subunit D, an AAA protein involved in chlorophyll biosynthesis. 2006 , 18, 3606-16	44
1263	Engineered cell-adhesive nanoparticles nucleate extracellular matrix assembly. 2007 , 13, 567-78	7
1262	A LAD-III syndrome is associated with defective expression of the Rap-1 activator CalDAG-GEFI in lymphocytes, neutrophils, and platelets. 2007 , 204, 1571-82	140
1261	alpha5 integrin signaling regulates the formation of spines and synapses in hippocampal neurons. 2007 , 282, 6929-35	64
1260	Intrinsic signaling functions of the beta4 integrin intracellular domain. 2007 , 282, 30322-30	34
1259	BIG1, a brefeldin A-inhibited guanine nucleotide-exchange protein, is required for correct glycosylation and function of integrin beta1. 2007 , 104, 1230-5	36
1258	Impact of carrier stiffness and microtopology on two-dimensional kinetics of P-selectin and P-selectin glycoprotein ligand-1 (PSGL-1) interactions. 2007 , 282, 9846-9854	43
1257	Crk-associated substrate (Cas) signaling protein functions with integrins to specify axon guidance during development. 2007 , 134, 2337-47	25
1256	The ECM protein nephronectin promotes kidney development via integrin alpha8beta1-mediated stimulation of Gdnf expression. 2007 , 134, 2501-9	128
1255	A structural hypothesis for the transition between bent and extended conformations of the leukocyte beta2 integrins. 2007 , 282, 30198-206	38
1254	Activated epidermal growth factor receptor induces integrin alpha2 internalization via caveolae/raft-dependent endocytic pathway. 2007 , 282, 6380-7	45
1253	Structural insight into the interaction between platelet integrin alphaIIb beta3 and cytoskeletal protein skelemin. 2007 , 282, 32349-56	11
1252	The contributions of integrin affinity and integrin-cytoskeletal engagement in endothelial and smooth muscle cell adhesion to vitronectin. 2007 , 282, 15679-89	26
1251	An integrin-tetraspanin interaction required for cellular innate immune responses of an insect, <i>Manduca sexta</i> . 2007 , 282, 22563-72	48

1250	CD98hc (SLC3A2) interaction with the integrin beta subunit cytoplasmic domain mediates adhesive signaling. 2007 , 282, 24477-84	49
1249	Glucocorticoids induce osteocyte apoptosis by blocking focal adhesion kinase-mediated survival. Evidence for inside-out signaling leading to anoikis. 2007 , 282, 24120-30	95
1248	Def-6, a guanine nucleotide exchange factor for Rac1, interacts with the skeletal muscle integrin chain alpha7A and influences myoblast differentiation. 2007 , 282, 15730-42	25
1247	Cadherin conformations associated with dimerization and adhesion. 2007 , 282, 12871-82	19
1246	PKCdelta and cofilin activation affects peripheral actin reorganization and cell-cell contact in cells expressing integrin alpha5 but not its tailless mutant. 2007 , 120, 2717-30	18
1245	A molecular switch that controls cell spreading and retraction. 2007 , 179, 553-65	122
1244	Mechanisms of integrin-vascular endothelial growth factor receptor cross-activation in angiogenesis. 2007 , 101, 570-80	243
1243	Control of <i>C. elegans</i> hermaphrodite gonad size and shape by vab-3/Pax6-mediated regulation of integrin receptors. 2007 , 21, 1615-20	42
1242	Regulation of cell adhesion by affinity and conformational unbending of alpha4beta1 integrin. 2007 , 178, 6828-39	62
1241	Cellular prion protein interaction with vitronectin supports axonal growth and is compensated by integrins. 2007 , 120, 1915-26	70
1240	Use of a peptide derived from foot-and-mouth disease virus for the noninvasive imaging of human cancer: generation and evaluation of 4-[18F]fluorobenzoyl A20FMDV2 for in vivo imaging of integrin alphavbeta6 expression with positron emission tomography. 2007 , 67, 7833-40	100
1239	Transcriptional modulation of genes encoding structural characteristics of differentiating enterocytes during development of a polarized epithelium in vitro. 2007 , 18, 4261-78	57
1238	Tests of the extension and deadbolt models of integrin activation. 2007 , 282, 11914-20	47
1237	Biological matrices and bionanotechnology. 2007 , 362, 1313-20	40
1236	The extracellular matrix in wound healing: a closer look at therapeutics for chronic wounds. 2007 , 6, 82-97	98
1235	PTHrP increases transcriptional activity of the integrin subunit alpha5. 2007 , 96, 1394-403	14
1234	Tumor necrosis factor (TNF) is a potent rat mast cell chemoattractant. 2007 , 27, 911-9	31
1233	Integrin β 3. 2007 , 165-178	9

1232	Adherens junction-associated protein distribution differs in smooth muscle tissue and acutely isolated cells. 2007 , 292, G684-97	10
1231	Regulation of Innate and Adaptive Immune Responses by a Novel Pattern Recognition Molecule Mindin. 2007 , 3, 233-239	
1230	EHD1 regulates beta1 integrin endosomal transport: effects on focal adhesions, cell spreading and migration. 2007 , 120, 802-14	104
1229	Role of ligand-specific integrins in endothelial cell alignment and elongation induced by cyclic strain. 2007 , 14, 275-83	12
1228	Human Platelet Antigens. 2007 , 112-128	
1227	Analysis of integrin alpha7 mutations in prostate cancer, liver cancer, glioblastoma multiforme, and leiomyosarcoma. 2007 , 99, 868-80	58
1226	Alpha3-integrins are required for hippocampal long-term potentiation and working memory. 2007 , 14, 606-15	41
1225	The characterization of alpha5-integrin expression on tubular epithelium during renal injury. 2007 , 292, F567-76	36
1224	Expression of selected integrins and selectins in bullous pemphigoid. 2007 , 2007, 31051	2
1223	Integrin-mediated host cell invasion by type 1-piliated uropathogenic Escherichia coli. 2007 , 3, e100	210
1222	Cell adhesion-mediated radioresistance revisited. 2007 , 83, 727-32	41
1221	Assessment of the biological and pharmacological effects of the alpha nu beta3 and alpha nu beta5 integrin receptor antagonist, cilengitide (EMD 121974), in patients with advanced solid tumors. 2007 , 18, 1400-7	92
1220	The Troll in Toll: Mal and Tram as bridges for TLR2 and TLR4 signaling. 2007 , 82, 196-203	48
1219	Integrin alpha v beta 3 antagonists for anti-angiogenic cancer treatment. 2007 , 2, 143-58	49
1218	Focal Adhesion. 2007 , 1, 13-18	33
1217	Toxicity of fiber- and penton base-modified adenovirus type 5 vectors on lung development in newborn rats. 2007 , 15, 2008-16	5
1216	Cell adhesion strengthening: measurement and analysis. 2007 , 83, 329-46	9
1215	Analysis of integrin signaling in genetically engineered mouse models of mammary tumor progression. 2007 , 426, 439-61	4

1214	Osmoregulation of bile formation. 2007 , 428, 313-24	8
1213	Immune semaphorins: increasing members and their diverse roles. 2007 , 93, 121-43	26
1212	Angiopoietin-2 stimulates breast cancer metastasis through the alpha(5)beta(1) integrin-mediated pathway. 2007 , 67, 4254-63	150
1211	Dynamic interaction between Src and C-terminal Src kinase in integrin alphaIIb beta3-mediated signaling to the cytoskeleton. 2007 , 282, 33623-33631	12
1210	Out-of-equilibrium dynamics in the cytoskeleton of the living cell. 2007 , 76, 041901	24
1209	Neuropilin-1 interacts with integrin beta1 and modulates pancreatic cancer cell growth, survival and invasion. 2007 , 6, 1173-80	89
1208	Radiobiological mechanisms in inflammatory diseases of low-dose radiation therapy. 2007 , 83, 357-66	142
1207	Simvastatin reduces MMP1 expression in human smooth muscle cells cultured on polymerized collagen by inhibiting Rac1 activation. 2007 , 27, 1043-9	37
1206	CD11c/CD18: novel ligands and a role in delayed-type hypersensitivity. 2007 , 81, 1395-403	75
1205	SARS-CoV accessory protein 7a directly interacts with human LFA-1. 2007 , 388, 1325-32	16
1204	FGF-2 release from the lens capsule by MMP-2 maintains lens epithelial cell viability. 2007 , 18, 4222-31	56
1203	Bone homing of mesenchymal stem cells by ectopic alpha 4 integrin expression. 2007 , 21, 3917-27	130
1202	Laminin deficits induce alterations in the development of dopaminergic neurons in the mouse retina. 2007 , 24, 549-62	34
1201	Modulation of CD103 expression on human colon carcinoma-specific CTL. 2007 , 178, 2908-15	32
1200	Mammary epithelial cells treated concurrently with TGF-alpha and TGF-beta exhibit enhanced proliferation and death. 2007 , 232, 1027-40	10
1199	A novel role for Lsc/p115 RhoGEF and LARG in regulating RhoA activity downstream of adhesion to fibronectin. 2007 , 120, 3989-98	99
1198	Talin 1 and paxillin facilitate distinct steps in rapid VLA-4-mediated adhesion strengthening to vascular cell adhesion molecule 1. 2007 , 282, 25338-48	47
1197	Development of monoclonal antibodies to integrin receptors. 2007 , 426, 117-53	11

1196	The phosphotyrosine-independent interaction of DLC-1 and the SH2 domain of cten regulates focal adhesion localization and growth suppression activity of DLC-1. 2007 , 176, 43-9	127
1195	Integrin alpha 11 regulates IGF2 expression in fibroblasts to enhance tumorigenicity of human non-small-cell lung cancer cells. 2007 , 104, 11754-9	115
1194	Interaction of alpha9beta1 integrin with thrombospondin-1 promotes angiogenesis. 2007 , 100, 1308-16	99
1193	Filamin B mutations cause chondrocyte defects in skeletal development. 2007 , 16, 1661-75	71
1192	A mechanistic model for paradoxical platelet activation by ligand-mimetic alphallb beta3 (GPIIb/IIIa) antagonists. 2007 , 27, e9-15	67
1191	Beta1 integrins in radial glia but not in migrating neurons are essential for the formation of cell layers in the cerebral cortex. 2007 , 27, 13854-65	100
1190	Bcr-Abl induces abnormal cytoskeleton remodeling, beta1 integrin clustering and increased cell adhesion to fibronectin through the Abl interactor 1 pathway. 2007 , 120, 1436-46	39
1189	Forkhead box F1 is essential for migration of mesenchymal cells and directly induces integrin-beta3 expression. 2007 , 27, 2486-98	55
1188	A simple, no-wash cell adhesion-based high-throughput assay for the discovery of small-molecule regulators of the integrin CD11b/CD18. 2007 , 12, 406-17	22
1187	An essential role of integrin-linked kinase in the cellular radiosensitivity of normal fibroblasts during the process of cell adhesion and spreading. 2007 , 83, 769-79	16
1186	Novel vascular lesions in mice given a non-peptide vitronectin receptor antagonist. 2007 , 35, 958-71	2
1185	Methods for identifying novel integrin ligands. 2007 , 426, 223-37	6
1184	Mutation of a conserved asparagine in the I-like domain promotes constitutively active integrins alphaLbeta2 and alphallbbeta3. 2007 , 282, 18225-18232	29
1183	Surface modification to tailor the biological response. 2007 , 108-128	2
1182	Fibronectin- and vitronectin-induced microglial activation and matrix metalloproteinase-9 expression is mediated by integrins alpha5beta1 and alphavbeta5. 2007 , 178, 8158-67	87
1181	BioMEMS and Biomedical Nanotechnology. 2007 ,	16
1180	The Dynamics of CellECM Interactions. 2007 , 81-99	1
1179	Axon Growth and Guidance. 2007 ,	4

1178	Epithelial-mesenchymal transition and colorectal cancer: gaining insights into tumor progression using LIM 1863 cells. 2007 , 185, 29-39	37
1177	Substrate matters: reciprocally stimulatory integrin and VEGF signaling in endothelial cells. 2007 , 101, 536-8	14
1176	The MIG-2/integrin interaction strengthens cell-matrix adhesion and modulates cell motility. 2007 , 282, 20455-66	142
1175	HS1-associated protein X-1 regulates carcinoma cell migration and invasion via clathrin-mediated endocytosis of integrin alphavbeta6. 2007 , 67, 5275-84	116
1174	CD40 ligand binds to alpha5beta1 integrin and triggers cell signaling. 2007 , 282, 5143-51	81
1173	Serum response factor: master regulator of the actin cytoskeleton and contractile apparatus. 2007 , 292, C70-81	345
1172	Potential risk of progressive multifocal leukoencephalopathy with natalizumab therapy: possible interventions. 2007 , 64, 169-76	59
1171	The binding of Mss4 to alpha-integrin subunits regulates matrix metalloproteinase activation and fibronectin remodeling. 2007 , 21, 497-510	17
1170	Nuclear localization of the ERK MAP kinase mediated by Drosophila alphaPS2betaPS integrin and importin-7. 2007 , 18, 4190-9	26
1169	Real-time imaging reveals that noninvasive mammary epithelial acini can contain motile cells. 2007 , 179, 1555-67	54
1168	The cytosolic protein talin induces an intermediate affinity integrin alphaLbeta2. 2007 , 282, 24310-9	25
1167	pH nanoenvironment at the surface of single melanoma cells. 2007 , 20, 679-86	106
1166	Beta1 integrins control the formation of cell chains in the adult rostral migratory stream. 2007 , 27, 2704-17	139
1165	Defective osteoblast function in ICAP-1-deficient mice. 2007 , 134, 2615-25	54
1164	Alphav integrin-targeted immunoconjugates regress established human tumors in xenograft models. 2007 , 13, 3689-95	33
1163	Regulation of postangiogenic neovessel survival by beta1 and beta3 integrins in collagen and fibrin matrices. 2007 , 44, 40-50	23
1162	Development of an in vitro model for bovine placentation: a comparison of the in vivo and in vitro expression of integrins and components of extracellular matrix in bovine placental cells. 2007 , 186, 229-42	25
1161	Bone morphogenetic protein-7 is an antagonist of transforming growth factor-beta2 in human trabecular meshwork cells. 2007 , 48, 715-26	121

1160	A model for the role of integrins in flow induced mechanotransduction in osteocytes. 2007 , 104, 15941-6	190
1159	Ulcerative colitis and autoimmunity induced by loss of myeloid alphav integrins. 2007 , 104, 15823-8	176
1158	JAM-C regulates tight junctions and integrin-mediated cell adhesion and migration. 2007 , 282, 1830-7	68
1157	Genome-wide mapping of modifier chromosomal loci for human hypertrophic cardiomyopathy. 2007 , 16, 2463-71	61
1156	Loss of talin1 in platelets abrogates integrin activation, platelet aggregation, and thrombus formation in vitro and in vivo. 2007 , 204, 3113-8	197
1155	Role of beta1 integrins in adhesion of canine mastocytoma cells to extracellular matrix proteins. 2007 , 69, 495-9	2
1154	Antiadhesive sites present in the fibronectin type III-like repeats of human plasma fibronectin. 2007 , 30, 891-7	12
1153	[A new mechanism of neuropathic pain through ATP receptors in spinal microglia]. 2007 , 129, 349-53	
1152	Structure-function analysis reveals discrete beta3 integrin inside-out and outside-in signaling pathways in platelets. 2007 , 109, 3284-90	48
1151	Activation of alphaIIb beta3 is a sufficient but also an imperative prerequisite for activation of alpha2beta1 on platelets. 2007 , 109, 595-602	42
1150	The beta-tail domain (betaTD) regulates physiologic ligand binding to integrin CD11b/CD18. 2007 , 109, 3513-20	39
1149	Generation of activation-specific human anti-alphaMbeta2 single-chain antibodies as potential diagnostic tools and therapeutic agents. 2007 , 109, 3521-8	48
1148	Ligand density dramatically affects integrin alpha IIb beta 3-mediated platelet signaling and spreading. 2007 , 109, 5260-9	55
1147	Regulation of COX-2 mediated signaling by alpha3 type IV noncollagenous domain in tumor angiogenesis. 2007 , 110, 1168-77	44
1146	Requirement of alpha and beta subunit transmembrane helix separation for integrin outside-in signaling. 2007 , 110, 2475-83	96
1145	Focal Adhesions: Self-Assembling Nanoscale Mechanochemical Machines that Control Cell Function. 321-335	
1144	ECM Interactions with Cells from the Macro- to Nanoscale. 223-260	4
1143	β-Integrin Signaling is Essential for Lens Fiber Survival. 2007 , 1, 117762500700100	1

1142	The integrin-extracellular matrix axis in pancreatic cancer. 2007 , 35, 293-301	84
1141	Natalizumab therapy for moderate to severe Crohn disease in adolescents. 2007 , 44, 185-91	54
1140	Cryopreservation-induced nonattachment of human hepatocytes: role of adhesion molecules. 2007 , 16, 639-47	51
1139	Increased gene expression levels of collagen receptor integrins are associated with decreased survival parameters in patients with advanced melanoma. 2007 , 17, 215-23	19
1138	Intracellular trafficking of raft/caveolae domains: insights from integrin signaling. 2007 , 18, 627-37	62
1137	Specialized extraembryonic cells connect embryonic and extraembryonic epidermis in response to Dpp during dorsal closure in <i>Drosophila</i> . 2007 , 301, 340-9	58
1136	Tissue-specific laminin expression facilitates integrin-dependent association of the embryonic wing disc with the trachea in <i>Drosophila</i> . 2007 , 304, 90-101	13
1135	Mutations in the <i>Drosophila</i> alphaPS2 integrin subunit uncover new features of adhesion site assembly. 2007 , 308, 294-308	24
1134	Conditional deletion of beta1-integrin from the developing lens leads to loss of the lens epithelial phenotype. 2007 , 306, 658-68	60
1133	Multiple cardiovascular defects caused by the absence of alternatively spliced segments of fibronectin. 2007 , 311, 11-24	107
1132	Targeting integrin beta4 for cancer and anti-angiogenic therapy. 2007 , 28, 506-11	105
1131	Inhibition of melanoma cell motility by the snake venom disintegrin eristostatin. 2007 , 49, 899-908	32
1130	Forces and bond dynamics in cell adhesion. 2007 , 316, 1148-53	406
1129	Wettability of substrata controls cell-substrate and cell-cell adhesions. 2007 , 1770, 1538-47	95
1128	Integrin-linked kinase is involved in matrix-induced hepatocyte differentiation. 2007 , 353, 638-43	32
1127	Activation of LFA-1 by ionomycin is independent of calpain-mediated talin cleavage. 2007 , 356, 207-12	10
1126	Effect of KAI1/CD82 on the beta1 integrin maturation in highly migratory carcinoma cells. 2007 , 359, 703-8	32
1125	The fibronectin synergy site modulates TGF-beta-dependent fibroblast contraction. 2007 , 360, 709-14	29

1124	A NPxY-independent beta5 integrin activation signal regulates phagocytosis of apoptotic cells. 2007 , 364, 540-8	27
1123	Structural basis of integrin activation by talin. <i>Cell</i> , 2007 , 128, 171-82	56.2 519
1122	Gene therapy and wound healing. 2007 , 25, 79-92	72
1121	Rab25 associates with alpha5beta1 integrin to promote invasive migration in 3D microenvironments. 2007 , 13, 496-510	330
1120	Role of the integrin alphaVbeta3 in mediating increased smooth muscle cell responsiveness to IGF-I in response to hyperglycemic stress. 2007 , 17, 265-70	41
1119	Role of activator protein-1 on the effect of arginine-glycine-aspartic acid containing peptides on transforming growth factor-beta1 promoter activity. 2007 , 39, 133-45	11
1118	Visions for novel biophysical elucidations of extracellular matrix networks. 2007 , 39, 311-8	5
1117	Integrin signaling in epithelial cells. 2007 , 247, 1-25	148
1116	Bisphosphonates in cancer therapy. 2007 , 257, 16-35	165
1115	Integrins: molecular determinants of glioma invasion. 2007 , 14, 1041-8	117
1114	Beta-catenin signaling in fibroproliferative disease. 2007 , 138, 141-50	89
1113	Structural insights into fibronectin type III domain-mediated signaling. 2007 , 367, 303-9	33
1112	Mutation in the VP1-LDV motif of the murine polyomavirus affects viral infectivity and conditions virus tissue tropism in vivo. 2007 , 367, 54-64	5
1111	Paxillin and ponsin interact in nascent costameres of muscle cells. 2007 , 369, 665-82	29
1110	Comparative normal mode analysis of LFA-1 integrin I-domains. 2007 , 374, 231-49	23
1109	Collagen IX is indispensable for timely maturation of cartilage during fracture repair in mice. 2007 , 26, 85-95	27
1108	Mammalian collagen receptors. 2007 , 26, 146-55	310
1107	Matrilins mediate weak cell attachment without promoting focal adhesion formation. 2007 , 26, 167-74	17

1106	Lebectin and lebecetin, two C-type lectins from snake venom, inhibit alpha5beta1 and alphaV-containing integrins. 2007 , 26, 306-13	43
1105	The integrin alpha5beta1 regulates chondrocyte hypertrophic differentiation induced by GTP-bound transglutaminase 2. 2007 , 26, 409-18	24
1104	The growth-promoting effects of angiotensin II in adrenal glomerulosa cells: an interactive tale. 2007 , 273, 1-5	18
1103	Integrin-binding RGD peptides induce rapid intracellular calcium increases and MAPK signaling in cortical neurons. 2007 , 34, 147-54	31
1102	Cell adhesion molecules, the extracellular matrix and oral squamous carcinoma. 2007 , 36, 671-9	82
1101	Force as a facilitator of integrin conformational changes during leukocyte arrest on blood vessels and antigen-presenting cells. 2007 , 26, 17-27	241
1100	Activations of mitogen-activated protein kinase and nuclear factor-kappaB by mechanical stretch result in ventilation-induced lung injury. 2007 , 68, 356-60	10
1099	Collagen-mediated survival signaling is modulated by CD45 in Jurkat T cells. 2007 , 44, 3682-90	10
1098	Superparamagnetic iron oxide binding and uptake as imaged by magnetic resonance is mediated by the integrin receptor Mac-1 (CD11b/CD18): implications on imaging of atherosclerotic plaques. 2007 , 193, 102-11	83
1097	CD14 is a ligand for the integrin alpha4beta1. 2007 , 581, 757-63	15
1096	Integrins: signaling, disease, and therapy. 2007 , 83, 743-51	89
1095	beta1 integrin as a molecular therapeutic target. 2007 , 83, 753-60	63
1094	Islet beta-cell-specific T cells can use different homing mechanisms to infiltrate and destroy pancreatic islets. 2007 , 170, 240-50	45
1093	Inhibition of inflammatory lymphangiogenesis by integrin alpha5 blockade. 2007 , 171, 361-72	93
1092	Electron microscopy of integrins. 2007 , 426, 337-73	11
1091	Chemokines and chemokine receptors as therapeutic targets in lupus nephritis. 2007 , 27, 81-97	36
1090	Cancer Biology. 2007 , 1-31	1
1089	The integrins. 2007 , 8, 215	768

1088	Breast Cancer Chemosensitivity. 2007,	2
1087	Stem Cell Assays. 2007,	1
1086	Evaluation of a (99m)Tc-labeled cyclic RGD tetramer for noninvasive imaging integrin alpha(v)beta3-positive breast cancer. 2007, 18, 438-46	120
1085	The expanding role for ITAM-based signaling pathways in immune cells. 2007, 2007, re2	81
1084	Free energy landscape of receptor-mediated cell adhesion. 2007, 126, 045103	9
1083	Cell survival in a three-dimensional matrix. 2007, 426, 85-101	23
1082	Integrin regulation of lymphocyte trafficking: lessons from structural and signaling studies. 2007, 93, 185-227	47
1081	Galphai2 is required for chemokine-induced neutrophil arrest. 2007, 110, 3773-9	74
1080	Biologics in General Medicine. 2007,	1
1079	Adhesion Molecules: Function and Inhibition. 2007,	5
1078	Self-assembled cellular microarrays patterned using DNA barcodes. 2007, 7, 1442-8	57
1077	Multiple N-methylation by a designed approach enhances receptor selectivity. 2007, 50, 5878-81	67
1076	Analysis of integrin dynamics by fluorescence recovery after photobleaching. 2007, 370, 173-202	33
1075	Dual regulation of SIRPalpha phosphorylation by integrins and CD47. 2007, 282, 24219-30	40
1074	A novel subcellular collagen organization process visualized by total internal reflection fluorescence microscopy. 2007, 14, 169-80	2
1073	MONOMERIC AND DIMERIC DISINTEGRINS: PLATELET ACTIVE AGENTS FROM VIPER VENOM. 2007, 26, 47-76	2
1072	Hyaluronan in the pericellular coat: an additional layer of complexity in early cell adhesion events. 2007, 3, 327-332	20
1071	Cellular chemomechanics at interfaces: sensing, integration and response. 2007, 3, 307-326	108

1070	Integrins and syndecan-4 make distinct, but critical, contributions to adhesion contact formation. 2007 , 3, 372-376	29
1069	Novel tools for functional analysis of CD11c: activation-specific, activation-independent, and activating antibodies. 2008 , 29, 42-57	11
1068	alpha v beta3 and alpha5beta1 integrin recycling pathways dictate downstream Rho kinase signaling to regulate persistent cell migration. 2007 , 177, 515-25	194
1067	Focal adhesion kinase modulates tension signaling to control actin and focal adhesion dynamics. 2007 , 176, 667-80	192
1066	Design and synthesis of a new class of selective integrin alpha5beta1 antagonists. 2007 , 50, 3786-94	57
1065	Osmosensing by integrins in rat liver. 2007 , 428, 129-44	11
1064	Interplay between PEO tether length and ligand spacing governs cell spreading on RGD-modified PMMA-g-PEO comb copolymers. 2007 , 8, 3206-13	56
1063	Adhesion Protein Protocols. 2007 ,	1
1062	Natalizumab and the role of alpha 4-integrin antagonism in the treatment of multiple sclerosis. 2007 , 7, 123-36	43
1061	Small molecule inhibitors of integrin alpha2beta1. 2007 , 50, 5457-62	35
1060	Integrin alpha(v)beta(3) as a target in the prevention of neointimal hyperplasia. 2007 , 45 Suppl A, A33-8	40
1059	Calcium-diacylglycerol guanine nucleotide exchange factor I gene mutations associated with loss of function in canine platelets. 2007 , 150, 81-92	35
1058	Adhesion mechanisms in platelet function. 2007 , 100, 1673-85	503
1057	Understanding the molecular basis for differential binding of integrins to collagen and gelatin. 2007 , 92, L17-9	29
1056	Substrate chemistry-dependent conformations of single laminin molecules on polymer surfaces are revealed by the phase signal of atomic force microscopy. 2007 , 93, 202-7	55
1055	The development of synovial joints. 2007 , 79, 1-36	75
1054	Role of vitronectin and fibronectin receptors in oral mucosal and dermal myofibroblast differentiation. 2007 , 99, 601-14	46
1053	Arf GAPs as regulators of the actin cytoskeleton. 2007 , 99, 583-600	76

1052	Integrin cytoskeletal interactions. 2007 , 426, 69-84	31
1051	Cell sensing and response to micro- and nanostructured surfaces produced by chemical and topographic patterning. 2007 , 13, 1879-91	446
1050	Signaling and Glycoproteins. 2007 , 249-266	
1049	Signal Transduction Events Regulating Integrin Function and T Cell Migration in the Mouse. 2007 , 195-206	
1048	FAK-Mediated mechanotransduction in skeletal regeneration. 2007 , 2, e390	63
1047	Colorectal hyperplasia and dysplasia due to human carcinoembryonic antigen (CEA) family member expression in transgenic mice. 2007 , 2, e1353	27
1046	Disulfide bond disruption by a β -Cys549Arg mutation in six Jordanian families with Glanzmann thrombasthenia causes diminished production of constitutively active β b β . 2007 , 98, 1257-1265	36
1045	THE GPIIB/IIIa ANTAGONIST ABCIXIMAB FOR ACUTE PERCUTANEOUS CORONARY INTERVENTION. 2007 , 135-152	0
1044	Leukocyte-Endothelial Cell Interactions. 576-586	
1043	. 2007 ,	21
1042	Models for Tumour Cell-Stromal Cell Interactions. 2007 ,	
1041	Fundamental Cellular Functions. 256-327	
1040	Bifunctional ligands that target cells displaying the alpha v beta3 integrin. 2007 , 8, 68-82	61
1039	Artificial ditopic Arg-Gly-Asp (RGD) receptors. 2007 , 13, 6864-73	20
1038	The collagen family members as cell adhesion proteins. 2007 , 29, 1001-10	259
1037	Integrin-dependent cell behavior on ECM peptide-conjugated chitosan membranes. 2007 , 88, 122-30	36
1036	Probing integrin selectivity: rational design of highly active and selective ligands for the alpha5beta1 and alphavbeta3 integrin receptor. 2007 , 46, 3571-4	85
1035	Rationales Design von hoch aktiven und selektiven Liganden für α 5 β 1- und α v β 3-Integrine. 2007 , 119, 3641-3644	27

1034	Phosphorylation of ectopically expressed L-plastin enhances invasiveness of human melanoma cells. 2007 , 120, 2590-9	42
1033	Integrin alpha(5) controls osteoblastic proliferation and differentiation responses to titanium substrates presenting different roughness characteristics in a roughness independent manner. 2007 , 80, 700-10	120
1032	alpha subunit partners to beta1 and beta2 integrins during IL-4-induced foreign body giant cell formation. 2007 , 82, 568-74	45
1031	Increased expression of activating factors in large osteoclasts could explain their excessive activity in osteolytic diseases. 2007 , 101, 205-20	54
1030	Modulation of ligand binding by alternative splicing of the alphaPS2 integrin subunit. 2007 , 102, 211-23	3
1029	Effects of Vitaxin, a novel therapeutic in trial for metastatic bone tumors, on osteoclast functions in vitro. 2007 , 102, 341-52	44
1028	Induction of immature dendritic cell apoptosis by foot and mouth disease virus is an integrin receptor mediated event before viral infection. 2007 , 102, 980-91	18
1027	GPI-anchored CEA family glycoproteins CEA and CEACAM6 mediate their biological effects through enhanced integrin alpha5beta1-fibronectin interaction. 2007 , 210, 757-65	43
1026	P2Y2 receptors induced cell surface redistribution of alpha(v) integrin is required for activation of ERK 1/2 in U937 cells. 2007 , 211, 410-22	17
1025	A co-clustering model involving alpha5beta1 integrin for the biological effects of GPI-anchored human carcinoembryonic antigen (CEA). 2007 , 211, 791-802	39
1024	Regulation of chondrocyte differentiation by the actin cytoskeleton and adhesive interactions. 2007 , 213, 1-8	196
1023	Cell-matrix adhesion. 2007 , 213, 565-73	693
1022	The integrin-growth factor receptor duet. 2007 , 213, 649-53	137
1021	The genetics and embryology of zebrafish metamerism. 2007 , 236, 1422-49	101
1020	The zebrafish vitronectin receptor: characterization of integrin alphaV and beta3 expression patterns in early vertebrate development. 2007 , 236, 2268-76	21
1019	The microenvironment of the embryonic neural stem cell: lessons from adult niches?. 2007 , 236, 3267-82	47
1018	Loss of integrin linked kinase from mouse hepatocytes in vitro and in vivo results in apoptosis and hepatitis. 2007 , 45, 1025-34	51
1017	Changes in cholesterol levels in the plasma membrane modulate cell signaling and regulate cell adhesion and migration on fibronectin. 2007 , 64, 199-216	62

1016	Temporal and spatial regulation of alpha6 integrin expression during the development of the cochlear-vestibular ganglion. 2007 , 502, 673-82	23
1015	Patterns of laminins and integrins in the embryonic ventricular zone of the CNS. 2007 , 505, 630-43	112
1014	Platelet-neutrophil-interactions: linking hemostasis and inflammation. 2007 , 21, 99-111	460
1013	Discovery of +(2-{4-[2-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)ethoxy]phenyl}-cyclopropyl)acetic acid as potent and selective alphavbeta3 inhibitor: design, synthesis, and optimization. 2007 , 15, 3390-412	11
1012	R-isomers of Arg-Gly-Asp (RGD) mimics as potent alphavbeta3 inhibitors. 2007 , 15, 3783-800	13
1011	Conformational changes in human integrin alphaIIb beta3 after platelet activation, monitored by FRET. 2007 , 130, 76-87	18
1010	Influence of single-walled carbon nanotube films on metabolic activity and adherence of human osteoblasts. 2007 , 45, 2266-2272	38
1009	Modulation of hybridoma cell growth and antibody production by coating cell culture material with extracellular matrix proteins. 2007 , 35, 301-308	3
1008	The effect of starch and starch-bioactive glass composite microparticles on the adhesion and expression of the osteoblastic phenotype of a bone cell line. 2007 , 28, 326-34	40
1007	Primary hepatocyte survival on non-integrin-recognizable matrices without the activation of Akt signaling. 2007 , 28, 1093-104	30
1006	The regulation of integrin-mediated osteoblast focal adhesion and focal adhesion kinase expression by nanoscale topography. 2007 , 28, 1787-97	204
1005	Behaviour of SH-SY5Y neuroblastoma cell line grown in different media and on different chemically modified substrates. 2007 , 28, 2932-45	46
1004	Upregulation of bone cell differentiation through immobilization within a synthetic extracellular matrix. 2007 , 28, 3644-55	128
1003	Expression of cell adhesion receptors in human osteoblasts cultured on biofunctionalized poly-(epsilon-caprolactone) surfaces. 2007 , 28, 3668-78	40
1002	Fabrication methods of an engineered microenvironment for analysis of cell-biomaterial interactions. 2007 , 28, 126-33	98
1001	Formation of osteogenic colonies on well-defined adhesion peptides by freshly isolated human marrow cells. 2007 , 28, 1847-61	15
1000	Altered expression pattern of integrin alphavbeta3 correlates with actin cytoskeleton in primary cultures of human breast cancer. 2007 , 7, 16	28
999	Integrin signaling in early sea urchin development. 2007 , 7, 207-215	2

998	Fc receptor and integrin signaling in phagocytes. 2007 , 7, 386-401	18
997	Cooperation between Myc and YY1 provides novel silencing transcriptional targets of alpha3beta1-integrin in tumour cells. 2007 , 26, 382-94	33
996	Integrin-linked kinase interacts with caspase-9 and -8 in an adhesion-dependent manner for promoting radiation-induced apoptosis in human leukemia cells. 2007 , 26, 1372-84	31
995	Apoptosis and differentiation of human embryonic stem cells induced by sustained activation of c-Myc. 2007 , 26, 5564-76	68
994	pH dependence of melanoma cell migration: protons extruded by NHE1 dominate protons of the bulk solution. 2007 , 26, 585, 351-60	119
993	Tensin relief facilitates migration. 2007 , 9, 877-9	7
992	Integrin-dependent anchoring of a stem-cell niche. 2007 , 9, 1413-8	170
991	P-selectin primes leukocyte integrin activation during inflammation. 2007 , 8, 882-92	135
990	The problem with upward mobility. 2007 , 13, 786-7	2
989	Alpha1beta1 integrin is crucial for accumulation of epidermal T cells and the development of psoriasis. 2007 , 13, 836-42	201
988	Tumour microenvironment: laminin 332 in squamous-cell carcinoma. 2007 , 7, 370-80	236
987	Synergistic control of cell adhesion by integrins and syndecans. 2007 , 8, 957-69	435
986	Cytotoxicity of TNFalpha is regulated by integrin-mediated matrix signaling. 2007 , 26, 1257-67	126
985	Increased tumor cell dissemination and cellular senescence in the absence of beta1-integrin function. 2007 , 26, 2832-42	86
984	Structure of three tandem filamin domains reveals auto-inhibition of ligand binding. 2007 , 26, 3993-4004	113
983	Integrin alpha3beta1-dependent activation of FAK/Src regulates Rac1-mediated keratinocyte polarization on laminin-5. 2007 , 127, 31-40	73
982	Mouse models of psoriasis. 2007 , 127, 1292-308	171
981	The lipoxygenase inhibitor, baicalein, modulates cell adhesion and migration by up-regulation of integrins and vinculin in rat heart endothelial cells. 2007 , 151, 1235-45	14

980	Apoptosis commitment--translating survival signals into decisions on mitochondria. 2007 , 17, 976-84	65
979	Upregulation and redistribution of integrin alpha6beta4 expression occurs at an early stage in pancreatic adenocarcinoma progression. 2007 , 20, 656-67	34
978	Semaphorin 7A initiates T-cell-mediated inflammatory responses through alpha1beta1 integrin. 2007 , 446, 680-4	230
977	Helicobacter exploits integrin for type IV secretion and kinase activation. 2007 , 449, 862-6	480
976	Modulation of experimental autoimmune encephalomyelitis by VLA-2 blockade. 2007 , 17, 45-55	29
975	The Helicobacter pylori CagA protein disrupts matrix adhesion of gastric epithelial cells by dephosphorylation of vinculin. 2007 , 9, 1148-61	73
974	Borrelia burgdorferi BBB07 interaction with integrin alpha3beta1 stimulates production of pro-inflammatory mediators in primary human chondrocytes. 2008 , 10, 320-31	53
973	Increased cytoplasmic level of migfilin is associated with higher grades of human leiomyosarcoma. 2007 , 51, 499-508	21
972	Pharmacological properties, toxicology and scientific rationale for the use of natalizumab (Tysabri) in inflammatory diseases. 2007 , 13, 79-95	83
971	Sentinels at the wall: cell wall receptors and sensors. 2007 , 176, 7-21	174
970	Adhesion to the extracellular matrix is positively regulated by retinoic acid in HepG2 cells. 2007 , 27, 128-36	13
969	Recognition molecules and neural repair. 2007 , 101, 865-82	76
968	Platelet integrin alpha(IIb)beta(3): activation mechanisms. 2007 , 5, 1345-52	140
967	Cell-matrix adhesion in vascular development. 2007 , 5 Suppl 1, 32-40	218
966	Functional insights on the polarized redistribution of leukocyte integrins and their ligands during leukocyte migration and immune interactions. 2007 , 218, 147-64	88
965	Platelet integrins and immunoreceptors. 2007 , 218, 247-64	108
964	Tec kinases, actin, and cell adhesion. 2007 , 218, 45-64	56
963	Integrin modulation and signaling in leukocyte adhesion and migration. 2007 , 218, 126-34	195

962	Compartmentalization of ITAM and integrin signaling by adapter molecules. 2007 , 218, 9-28	42
961	Guanine nucleotide exchange factors of the cytohesin family and their roles in signal transduction. 2007 , 218, 102-13	71
960	Osteogenic effect of interleukin-11 and synergism with ascorbic acid in human periodontal ligament cells. 2007 , 42, 527-35	18
959	The FN13 peptide inhibits human tumor cells invasion through the modulation of alpha v beta 3 integrins organization and the inactivation of ILK pathway. 2007 , 1773, 747-63	2
958	Signalling via integrins: implications for cell survival and anticancer strategies. 2007 , 1775, 163-80	178
957	Stromal cell-derived factor-1 enhances motility and integrin up-regulation through CXCR4, ERK and NF-kappaB-dependent pathway in human lung cancer cells. 2007 , 74, 1702-12	67
956	Integrins and the actin cytoskeleton. 2007 , 19, 43-50	179
955	Phospholipase C-gamma1 potentiates integrin-dependent cell spreading and migration through Pyk2/paxillin activation. 2007 , 19, 1784-96	27
954	Scaffold mediated regulation of MAPK signaling and cytoskeletal dynamics: a perspective. 2007 , 19, 1621-32	121
953	Alpha4 and beta2 integrins have nonredundant roles for asthma development, but for optimal allergen sensitization only alpha4 is critical. 2007 , 35, 605-17	29
952	Integrin signaling regulates spindle orientation in Drosophila to preserve the follicular-epithelium monolayer. 2007 , 17, 683-8	73
951	Initial osteoblast-like cell response to pure titanium and zirconia/alumina ceramics. 2007 , 23, 1349-55	61
950	Subpopulations of human dendritic cells display a distinct phenotype and bind differentially to proteins of the extracellular matrix. 2007 , 86, 719-30	22
949	Differential functional phenotypes of two primary HIV-1 strains resulting from homologous point mutations in the LLP domains of the envelope gp41 intracytoplasmic domain. 2007 , 367, 102-16	9
948	Beta-integrin mediates WSSV infection. 2007 , 368, 122-32	110
947	Novel functions of vimentin in cell adhesion, migration, and signaling. 2007 , 313, 2050-62	532
946	RACK1 regulates Src activity and modulates paxillin dynamics during cell migration. 2007 , 313, 2667-79	45
945	Role of the alpha(1) integrin cytoplasmic tail in the formation of focal complexes, actin organization, and in the control of cell migration. 2007 , 313, 3153-65	15

944	Laminin isoforms and their integrin receptors in glioma cell migration and invasiveness: Evidence for a role of alpha5-laminin(s) and alpha3beta1 integrin. 2007 , 313, 3819-31	80
943	Beta 3 integrins regulate lymphocyte migration and cytokine responses in heart transplant rejection. 2007 , 7, 1080-90	15
942	Human mesenchymal stem cells in contact with their environment: surface characteristics and the integrin system. 2007 , 11, 21-38	243
941	The extracellular matrix and blood vessel formation: not just a scaffold. 2007 , 11, 176-205	151
940	Cell adhesion molecules in chemically-induced renal injury. 2007 , 114, 74-93	65
939	Control of integrin genes expression in the eye. 2007 , 26, 99-161	33
938	Ocular extracellular matrices in development. 2007 , 26, 162-88	28
937	RPE transplantation and its role in retinal disease. 2007 , 26, 598-635	194
936	Engagement of integrins as a cellular route of invasion by bacterial pathogens. 2007 , 173, 482-91	34
935	Disruption of the beta2-integrin CD11d (alphaDbeta2) gene fails to protect against experimental autoimmune encephalomyelitis. 2007 , 184, 180-7	6
934	Transcriptional regulation of osteoblasts. 2007 , 1116, 196-207	145
933	Hematopoietic stem cell trafficking: regulated adhesion and attraction to bone marrow microenvironment. 2007 , 1116, 392-413	52
932	Integrins regulate mouse embryonic stem cell self-renewal. 2007 , 25, 3005-15	172
931	Matrices and scaffolds for delivery of bioactive molecules in bone and cartilage tissue engineering. 2007 , 59, 339-59	538
930	Three-dimensional microenvironments modulate fibroblast signaling responses. 2007 , 59, 1293-8	100
929	Structure of the PTB domain of tensin1 and a model for its recruitment to fibrillar adhesions. 2007 , 16, 1223-9	57
928	Studying integrin-mediated cell adhesion at the single-molecule level using AFM force spectroscopy. 2007 , 2007, p15	63
927	18F-labeled mini-PEG spacers RGD dimer (18F-FPRGD2): synthesis and microPET imaging of alphavbeta3 integrin expression. 2007 , 34, 1823-1831	103

926	The effect of a long-term cyclic strain on human dermal fibroblasts cultured in a bioreactor on chitosan-based scaffolds for the development of tissue engineered artificial dermis. 2007 , 15, 370-378	5
925	Podocalyxin enhances the adherence of cells to platelets. 2007 , 64, 2965-74	21
924	The <i>C. elegans</i> dense body: anchoring and signaling structure of the muscle. 2007 , 28, 79-87	39
923	In vivo bioluminescence tumor imaging of RGD peptide-modified adenoviral vector encoding firefly luciferase reporter gene. 2007 , 9, 126-34	29
922	An in vivo approach to structure activity relationship analysis of peptide ligands. 2007 , 24, 868-79	22
921	Integrin trafficking and its role in cancer metastasis. 2007 , 26, 567-78	102
920	Apparent involvement of a beta1 type integrin in coral fertilization. 2007 , 9, 760-5	5
919	Kinetic and functional analysis of the heparin-binding domain of fibronectin. 2008 , 30, 55-9	11
918	Porous silk scaffolds can be used for tissue engineering annulus fibrosus. 2007 , 16, 1848-57	100
917	Intracellular localization of integrin-like protein and its roles in osmotic stress-induced abscisic acid biosynthesis in <i>Zea mays</i> . 2007 , 232, 35-43	16
916	Regulation of the actin cytoskeleton by phosphatidylinositol 4-phosphate 5 kinases. 2007 , 455, 5-18	62
915	Loss of beta1D-integrin function in human ischemic cardiomyopathy. 2007 , 102, 257-64	24
914	Diffuse glioma growth: a guerilla war. 2007 , 114, 443-58	422
913	The emergence of ECM mechanics and cytoskeletal tension as important regulators of cell function. 2007 , 47, 300-20	155
912	Prospective isolation and functional analysis of stem and differentiated cells from the mouse mammary gland. 2007 , 3, 124-36	19
911	Extracellular Matrix and Integrin Interactions in the Skeletal Responses to Mechanical Loading and Unloading. 2007 , 5, 210-221	1
910	Neuronal conditioning medium and nerve growth factor induce neuronal differentiation of collagen-adherent progenitors derived from human umbilical cord blood. 2007 , 32, 179-91	20
909	CCN2 (Connective Tissue Growth Factor) is essential for extracellular matrix production and integrin signaling in chondrocytes. 2007 , 1, 45-58	74

908	Fluorescent resonance energy transfer: A tool for probing molecular cell-biomaterial interactions in three dimensions. 2007 , 28, 2424-37	73
907	Cell surface overexpression of alphavbeta5 integrin impedes alphavbeta3-mediated migration of the human ovarian adenocarcinoma cell line IGROV1. 2007 , 31, 109-18	1
906	Extra-cellular matrix proteins induce re-distribution of alpha-actinin-1 and alpha-actinin-4 in A431 cells. 2007 , 31, 360-5	16
905	High aspect ratio PDMS replication through proton beam fabricated Ni masters. 2007 , 260, 353-356	15
904	Short-term effects of adhesion peptides on the responses of preosteoblasts to pBMP-9. 2008 , 29, 1005-16	20
903	Isothiocyanate-functionalized RGD peptides for tailoring cell-adhesive surface patterns. 2008 , 29, 3004-13	43
902	Cell adhesion and proliferation on hydrophilic dendritically modified surfaces. 2008 , 29, 4177-86	61
901	Adhesive substrate-modulation of adaptive immune responses. 2008 , 29, 4736-50	69
900	Stepping out of the flow: capillary extravasation in cancer metastasis. 2008 , 25, 305-24	191
899	A convenient clinically relevant model of human breast cancer bone metastasis. 2008 , 25, 33-42	28
898	CNTO 95, a fully human anti alphav integrin antibody, inhibits cell signaling, migration, invasion, and spontaneous metastasis of human breast cancer cells. 2008 , 25, 139-48	70
897	Influence of integrin-blocking peptide on gadolinium- and hypertonic shrinking-induced neurotransmitter release in rat brain synaptosomes. 2008 , 33, 1316-24	9
896	Identification of putative functional motifs in viral proteins essential for human cytomegalovirus DNA replication. 2008 , 37, 193-202	14
895	Volociximab, a chimeric integrin alpha5beta1 antibody, inhibits the growth of VX2 tumors in rabbits. 2008 , 26, 7-12	50
894	The urokinase receptor and integrins in cancer progression. 2008 , 65, 1916-32	53
893	Integrin activation and viral infection. 2008 , 23, 1-7	5
892	The role of the biochemical and biophysical environment in chondrogenic stem cell differentiation assays and cartilage tissue engineering. 2008 , 52, 85-102	49
891	Bone Cells Grown on Micropatterned Surfaces are More Sensitive to Fluid Shear Stress. 2008 , 1, 182-188	13

890	Differential regulation of neutrophil CD18 integrin function by di- and tri-valent cations: manganese vs. gadolinium. 2008 , 36, 647-60	3
889	Fibronectin-mediated activation of Akt2 protects human ovarian and breast cancer cells from docetaxel-induced apoptosis via inhibition of the p38 pathway. 2008 , 13, 213-23	22
888	Epithelial-mesenchymal transition downregulates laminin alpha5 chain and upregulates laminin alpha4 chain in oral squamous carcinoma cells. 2008 , 130, 509-25	39
887	Targeting focal adhesions: Helicobacter pylori-host communication in cell migration. 2008 , 6, 2	30
886	Experimental obstructive cholestasis: the wound-like inflammatory liver response. 2008 , 1, 6	44
885	Direct-write nanoparticle microarrays for cell assays. 2008 , 4, 1930-5	10
884	Osteoblasts-derived BMP-2 enhances the motility of prostate cancer cells via activation of integrins. 2008 , 68, 1341-53	53
883	A recurrent ITGA9 missense mutation in human fetuses with severe chylothorax: possible correlation with poor response to fetal therapy. 2008 , 28, 1057-63	47
882	Effect of altered glycosylation on the structure of the I-like domain of beta1 integrin: a molecular dynamics study. 2008 , 73, 989-1000	29
881	Osteoblasts-derived TGF-beta1 enhance motility and integrin upregulation through Akt, ERK, and NF-kappaB-dependent pathway in human breast cancer cells. 2008 , 47, 526-37	27
880	Mammalian collagen IV. 2008 , 71, 357-70	418
879	Rational design of highly active and selective ligands for the alpha5beta1 integrin receptor. 2008 , 9, 1397-407	67
878	Integrin alpha(v)beta(3)-Targeted Cancer Therapy. 2008 , 69, 329-339	205
877	Functional characterization of KIN-32, the Caenorhabditis elegans homolog of focal adhesion kinase. 2008 , 237, 837-46	8
876	Communication between integrin receptors facilitates epicardial cell adhesion and matrix organization. 2008 , 237, 962-78	15
875	Integrin alpha chains exhibit distinct temporal and spatial localization patterns in epithelial cells of the Drosophila ovary. 2008 , 237, 3927-39	29
874	Leukocyte adhesion molecules in animal models of inflammatory bowel disease. 2008 , 14, 1715-35	51
873	Activation of the alpha2beta1 integrin-mediated malignant phenotype on type I collagen in pancreatic cancer cells by shifts in the concentrations of extracellular Mg ²⁺ and Ca ²⁺ . 2008 , 122, 2199-209	16

872	Alphavbeta3 and alphavbeta5 integrins control glioma cell response to ionising radiation through ILK and RhoB. 2008 , 123, 357-364	106
871	Different regulation of hepatocyte behaviors between natural extracellular matrices and synthetic extracellular matrices by hepatocyte growth factor. 2008 , 85, 228-35	16
870	Local tissue reaction and differentiation of the prosthesis-specific antibody response following functional implantation of vascular grafts in pigs. 2008 , 85, 334-42	4
869	Low substratum rigidity of collagen gel promotes ERK phosphorylation via lipid raft to augment cell migration. 2008 , 103, 1111-24	8
868	Mixed extracellular matrix ligands synergistically modulate integrin adhesion and signaling. 2008 , 217, 450-8	48
867	BMP-2 increases migration of human chondrosarcoma cells via PI3K/Akt pathway. 2008 , 217, 846-55	60
866	Ligand binding of leukocyte integrin very late antigen-4 involves exposure of sulfhydryl groups and is subject to redox modulation. 2008 , 38, 410-23	17
865	Fibronectin/integrin system is involved in P2X(4) receptor upregulation in the spinal cord and neuropathic pain after nerve injury. 2008 , 56, 579-85	94
864	Liver-specific ablation of integrin-linked kinase in mice results in abnormal histology, enhanced cell proliferation, and hepatomegaly. 2008 , 48, 1932-41	61
863	Switch from type II to I Fas/CD95 death signaling on in vitro culturing of primary hepatocytes. 2008 , 48, 1942-53	46
862	Arthritogenic antibodies specific for a major type II collagen triple-helical epitope bind and destabilize cartilage independent of inflammation. 2008 , 58, 184-96	45
861	Vav/Phospholipase Cgamma2-mediated control of a neutrophil-dependent murine model of rheumatoid arthritis. 2008 , 58, 2712-22	40
860	The PTB domain of tensin: NMR solution structure and phosphoinositides binding studies. 2008 , 89, 86-92	13
859	Control of epithelial cell structure and developmental fate: lessons from Helicobacter pylori. 2008 , 30, 515-20	14
858	Enhanced Osteoblast Adhesion to Epoxide-Functionalized Surfaces. 2008 , 18, 1723-1731	13
857	Advanced biomaterials for skeletal tissue regeneration: Instructive and smart functions. 2008 , 59, 38-71	174
856	Substrate architecture and fluid-induced shear stress during chondrocyte seeding: role of alpha5beta1 integrin. 2008 , 29, 2477-89	11
855	The effect of integrin-specific bioactive coatings on tissue healing and implant osseointegration. 2008 , 29, 2849-57	191

854	Kinetics of conformational changes of fibronectin adsorbed onto model surfaces. 2008 , 63, 129-37	70
853	Thermodynamics of clustered and unclustered receptor systems in cell adhesion. 2008 , 454, 362-366	6
852	Synthesis, SAR and in vitro evaluation of new cyclic Arg-Gly-Asp pseudopeptides containing a s-cis peptide bond as integrin α v β 3 and α v β 5 ligands. 2008 , 16, 4262-71	13
851	A graftable LDV peptidomimetic: design, synthesis and application to a blood filtration membrane. 2008 , 18, 1084-90	16
850	A peptide affinity column for the identification of integrin α IIb-binding proteins. 2008 , 374, 203-12	11
849	ICAM-5--a novel two-facetted adhesion molecule in the mammalian brain. 2008 , 117, 131-5	43
848	The mechanism of myoblast deformation in response to cyclic strain - A cytomolecular study. 2008 , 32, 754-60	5
847	Construction of supramolecular multi-component assemblies by using allosteric interactions. 2008 , 64, 8535-8542	12
846	Discovery of subnanomolar arginine-glycine-aspartate-based α v β 3/ α v β 5 integrin binders embedding 4-aminoproline residues. 2008 , 51, 1771-82	41
845	Transmembrane helices that form two opposite homodimeric interactions: an asparagine scan study of α 5 β 1 and β 2 integrins. 2008 , 17, 930-8	11
844	Permissive transmembrane helix heterodimerization is required for the expression of a functional integrin. 2008 , 410, 495-502	13
843	The application of cell-based label-free technology in drug discovery. 2008 , 3, 484-95	154
842	IFATS collection: Combinatorial peptides identify α 5 β 1 integrin as a receptor for the matricellular protein SPARC on adipose stromal cells. 2008 , 26, 2735-45	63
841	Recombinant vitronectin is a functionally defined substrate that supports human embryonic stem cell self-renewal via α v β 5 integrin. 2008 , 26, 2257-65	335
840	Formation and activation of fibroblast spheroids depend on fibronectin-integrin interaction. 2008 , 314, 3444-52	61
839	Role of collagen tripeptide fragment GER on activation of adhesion and modification of fatty acid composition in membrane phospholipids of CHO-K1 cells. 2008 , 2, 115-122	1
838	Controlled drug delivery in tissue engineering. 2008 , 60, 229-42	327
837	Fibrinogen interaction of CHO cells expressing chimeric α IIb/ α v β 3 integrin. 2008 , 29, 204-10	5

836	Integrins in breast cancer dormancy. 2008 , 116, 677-84	21
835	Integrin-associated proteins as potential therapeutic targets. 2008 , 223, 236-51	64
834	Induction and termination of inflammatory signaling in group B streptococcal sepsis. 2008 , 225, 114-27	36
833	Hantavirus-induced immunity in rodent reservoirs and humans. 2008 , 225, 163-89	117
832	Integrin $\beta 1$: a new purification strategy based on immobilized peptides. 2008 , 66, 22-29	2
831	Branched N-glycans regulate the biological functions of integrins and cadherins. 2008 , 275, 1939-48	173
830	Kindlins: essential regulators of integrin signalling and cell-matrix adhesion. 2008 , 9, 1203-8	202
829	Rapid leukocyte migration by integrin-independent flowing and squeezing. 2008 , 453, 51-5	1016
828	Myocardial ischaemia-reperfusion injury in haematopoietic cell-restricted beta1 integrin knockout mice. 2008 , 93, 825-33	3
827	Evolution of cell interactions with extracellular matrix during carcinogenesis. 2008 , 73, 733-41	22
826	Implication of alpha5beta1 integrin in invasion of drug-resistant MCF-7/ADR breast carcinoma cells: a role for MMP-2 collagenase. 2008 , 73, 791-6	13
825	Gene-environment association of an ITGB2 sequence variant with obesity in ethnic Japanese. 2008 , 16, 1463-6	9
824	The NHL-domain protein Wech is crucial for the integrin-cytoskeleton link. 2008 , 10, 422-8	53
823	A Toll-like receptor 2-integrin beta3 complex senses bacterial lipopeptides via vitronectin. 2008 , 9, 761-8	69
822	Nonmuscle myosin light-chain kinase mediates neutrophil transmigration in sepsis-induced lung inflammation by activating beta2 integrins. 2008 , 9, 880-6	80
821	Semaphorins and their receptors in immune cell interactions. 2008 , 9, 17-23	251
820	Preparation of peptide-conjugated quantum dots for tumor vasculature-targeted imaging. 2008 , 3, 89-96	203
819	Integrins in angiogenesis and lymphangiogenesis. 2008 , 8, 604-17	801

818	Derailed endocytosis: an emerging feature of cancer. 2008 , 8, 835-50	548
817	Pseudoreceptor models in drug design: bridging ligand- and receptor-based virtual screening. 2008 , 7, 667-77	69
816	Dynamic expression of Erbb pathway members during early mammary gland morphogenesis. 2008 , 128, 1009-21	23
815	The epidermal growth factor receptor system in skin repair and inflammation. 2008 , 128, 1365-74	303
814	Heterogeneity of HPA-3 alloantibodies: consequences for the diagnosis of alloimmune thrombocytopenic syndromes. 2008 , 48, 463-72	26
813	Divalent cations modulate the integrin-mediated malignant phenotype in pancreatic cancer cells. 2008 , 99, 1553-63	9
812	beta-Dystroglycan modulates the interplay between actin and microtubules in human-adhered platelets. 2008 , 141, 517-28	14
811	The monoclonal antibody 6B9 recognizes CD44 and not cell surface transglutaminase 2. 2008 , 68, 534-42	8
810	The C-terminus of the gamma 2 chain but not of the beta 3 chain of laminin-332 is indirectly but indispensably necessary for integrin-mediated cell reactions. 2008 , 314, 489-97	16
809	Cell-surface nucleolin is a signal transducing P-selectin binding protein for human colon carcinoma cells. 2008 , 314, 2212-23	71
808	Syndecan-1 supports integrin alpha2beta1-mediated adhesion to collagen. 2008 , 314, 3369-81	56
807	Cross-talk between integrins alpha1beta1 and alpha2beta1 in renal epithelial cells. 2008 , 314, 3593-604	27
806	Expression profiles of switch-like genes accurately classify tissue and infectious disease phenotypes in model-based classification. 2008 , 9, 486	6
805	Unexpected diversity of cnidarian integrins: expression during coral gastrulation. 2008 , 8, 136	26
804	Switch-like genes populate cell communication pathways and are enriched for extracellular proteins. 2008 , 9, 3	28
803	Galphas-coupled receptor signaling actively down-regulates alpha4beta1-integrin affinity: a possible mechanism for cell de-adhesion. 2008 , 9, 26	30
802	Laminin enhances the growth of human neural stem cells in defined culture media. 2008 , 9, 71	87
801	Different gene-expression profiles for the poorly differentiated carcinoma and the highly differentiated papillary adenocarcinoma in mammary glands support distinct metabolic pathways. 2008 , 8, 270	9

800	Distinct changes in adult lymphopoiesis in Rag2 ^{-/-} mice fully reconstituted by alpha4-deficient adult bone marrow cells. 2008 , 36, 1004-13	16
799	TPA primes alpha2beta1 integrins for cell adhesion. 2008 , 582, 3520-4	27
798	Direct Thy-1/alphaVbeta3 integrin interaction mediates neuron to astrocyte communication. 2008 , 1783, 1111-20	55
797	Regulation of TM4SF5-mediated tumorigenesis through induction of cell detachment and death by tiarellic acid. 2008 , 1783, 1632-41	8
796	TGF-beta1 increases motility and alphavbeta3 integrin up-regulation via PI3K, Akt and NF-kappaB-dependent pathway in human chondrosarcoma cells. 2008 , 75, 1292-301	51
795	Focal adhesion kinase and beta1 integrin regulation of Na ⁺ , K ⁺ , 2Cl ⁻ cotransporter in osmosensing ion transporting cells of killifish, <i>Fundulus heteroclitus</i> . 2008 , 150, 288-300	27
794	Temporal and spatial regulation of integrins during development. 2008 , 20, 520-4	50
793	The role of integrin binding sites in fibronectin matrix assembly in vivo. 2008 , 20, 502-7	216
792	Integrins as regulators of the mitotic machinery. 2008 , 20, 576-82	33
791	alphavbeta3 integrin and angiogenesis: a moody integrin in a changing environment. 2008 , 20, 514-9	107
790	Effects of endothelial basement membrane on neutrophil adhesion and migration. 2008 , 251, 56-61	12
789	Protons extruded by NHE1: digestive or glue?. 2008 , 87, 591-9	77
788	Integrins and the activation of latent transforming growth factor beta1 - an intimate relationship. 2008 , 87, 601-15	405
787	Smart biomaterials for tissue engineering of cartilage. 2008 , 39 Suppl 1, S77-87	86
786	Cell-matrix adhesion: the Wech connection. 2008 , 18, R389-91	3
785	Influence of collagen type II and nucleus pulposus cells on aggregation and differentiation of adipose tissue-derived stem cells. 2008 , 12, 2812-22	52
784	Smooth muscle signalling pathways in health and disease. 2008 , 12, 2165-80	160
783	Natalizumab alters transcriptional expression profiles of blood cell subpopulations of multiple sclerosis patients. 2008 , 194, 153-64	93

782	Cell-matrix adhesion complexes: master control machinery of cell migration. 2008 , 18, 65-76	172
781	The genesis of retinal architecture: an emerging role for mechanical interactions?. 2008 , 27, 260-83	27
780	Integrin conformational regulation: uncoupling extension/tail separation from changes in the head region by a multiresolution approach. 2008 , 16, 954-64	30
779	Beyond induced-fit receptor-ligand interactions: structural changes that can significantly extend bond lifetimes. 2008 , 16, 1047-58	19
778	Endocytic transport of integrins during cell migration and invasion. 2008 , 18, 257-63	197
777	Lack of alpha-1 integrin alters lesion morphology during pulmonary Mycobacterium tuberculosis infection. 2008 , 88, 444-52	5
776	Crosstalk Between CellCell and CellMatrix Adhesion. 271-294	
775	Fast fluorescence laser tracking microrheometry, II: quantitative studies of cytoskeletal mechanotransduction. 2008 , 95, 895-909	26
774	The allosteric role of the Ca ²⁺ switch in adhesion and elasticity of C-cadherin. 2008 , 94, 4621-33	102
773	Key interactions in integrin ectodomain responsible for global conformational change detected by elastic network normal-mode analysis. 2008 , 95, 2895-908	18
772	Morphological evidences indicate that the interference of cimetidine on the peritubular components is responsible for detachment and apoptosis of Sertoli cells. 2008 , 6, 18	39
771	beta1-integrin mediates myelin-associated glycoprotein signaling in neuronal growth cones. 2008 , 1, 10	59
770	The Microcirculation in Inflammation. 2008 , 387-448	7
769	Novel role of presenilins in maturation and transport of integrin beta 1. 2008 , 47, 3370-8	25
768	Lipopeptide with a RGDK tetrapeptide sequence can selectively target genes to proangiogenic alpha5beta1 integrin receptor and mouse tumor vasculature. 2008 , 51, 7298-302	35
767	The mechanisms underlying primitive streak formation in the chick embryo. 2008 , 81, 135-56	38
766	Biocompatibility of Microsystems. 2008 , 107-130	4
765	The Microcirculation in Inflammation. 2008 , 387-448	2

764	Radionuclide imaging: a molecular key to the atherosclerotic plaque. 2008 , 52, 1-12	733
763	Transforming growth factor beta 1 increases fibronectin deposition through integrin receptor alpha 5 beta 1 on human airway smooth muscle. 2008 , 121, 1034-9.e4	49
762	Vascular Complications in Human Disease. 2008 ,	
761	Differentiation of postnatal neural stem cells into glia and functional neurons on laminin-coated polymeric substrates. 2008 , 14, 1365-75	43
760	Conjugated platinum(IV)-peptide complexes for targeting angiogenic tumor vasculature. 2008 , 19, 39-49	193
759	Accurate measurements of protein interactions in cells via improved spatial image cross-correlation spectroscopy. 2008 , 4, 672-85	41
758	Hemostasis. 2008 , 287-330	3
757	Biophysics of catch bonds. 2008 , 37, 399-416	231
756	Recent Advances in Thrombosis and Hemostasis 2008. 2008 ,	4
755	Sensitization of Cancer Cells for Chemo/Immuno/Radio-therapy. 2008 ,	2
754	The ADAM metalloproteinases. 2008 , 29, 258-89	810
753	Calcium indirectly regulates immunochemical reactivity and functional activities of the N-domain of thrombospondin-1. 2008 , 27, 339-51	18
752	Collagen IX-deficiency seriously compromises growth cartilage development in mice. 2008 , 27, 319-29	44
751	Role for beta1 integrins in cortical osteocytes during acute musculoskeletal disuse. 2008 , 27, 609-18	41
750	Integrin-laminin interactions controlling neurite outgrowth from adult DRG neurons in vitro. 2008 , 39, 50-62	76
749	An alpha5beta1 integrin inhibitor attenuates glioma growth. 2008 , 39, 579-85	41
748	Integrin-linked kinase: a potential therapeutic target for the treatment of glioma. 2008 , 15, 1079-84	11
747	Invadopodia: at the cutting edge of tumour invasion. 2008 , 15, 725-37	169

746	Basement membrane proteins play an important role in the invasive processes of human pancreatic cancer cells. 2008 , 144, 117-23	17
745	BCR/ABL expression of myeloid progenitors increases beta1-integrin mediated adhesion to stromal cells. 2008 , 377, 1082-93	36
744	Integrin alpha IIb beta 3 in a membrane environment remains the same height after Mn2+ activation when observed by cryoelectron tomography. 2008 , 378, 976-86	46
743	Engineering a single-chain Fv antibody to alpha v beta 6 integrin using the specificity-determining loop of a foot-and-mouth disease virus. 2008 , 382, 385-401	23
742	Structural basis for the autoinhibition of talin in regulating integrin activation. 2008 , 31, 124-33	198
741	An unusual allosteric mobility of the C-terminal helix of a high-affinity alphaL integrin I domain variant bound to ICAM-5. 2008 , 31, 432-7	35
740	Activity-dependent regulation of synaptic AMPA receptor composition and abundance by beta3 integrins. 2008 , 58, 749-62	170
739	A role for local calcium signaling in rapid synaptic partner selection by dendritic filopodia. 2008 , 59, 253-60	121
738	Binding of complement regulatory proteins to group A Streptococcus. 2008 , 26 Suppl 8, 175-8	14
737	Molecular cloning and characterization of the alphaX subunit from CD11c/CD18 horse integrin. 2008 , 122, 326-34	5
736	Integrin beta1-mediated matrix assembly and signaling are critical for the normal development and function of the kidney glomerulus. 2008 , 313, 584-93	108
735	Beta1 integrin expression by podocytes is required to maintain glomerular structural integrity. 2008 , 316, 288-301	135
734	PACSIN2 regulates cell adhesion during gastrulation in <i>Xenopus laevis</i> . 2008 , 319, 86-99	15
733	Homing and engraftment of progenitor cells: a prerequisite for cell therapy. 2008 , 45, 514-22	260
732	Metastatic cancer cell. 2008 , 3, 221-47	191
731	Adhesion dynamics: mechanisms and measurements. 2008 , 40, 2397-409	42
730	Signaling and regulatory mechanisms of integrin alphavbeta6 on the apoptosis of colon cancer cells. 2008 , 266, 209-15	37
729	Culture-induced increase in alpha integrin subunit expression in retinal pigment epithelium is important for improved resurfacing of aged human Bruch's membrane. 2008 , 86, 189-200	35

728	Enzymatically-tailored pectins differentially influence the morphology, adhesion, cell cycle progression and survival of fibroblasts. 2008 , 1780, 995-1003	26
727	Biology and regulation of ectoplasmic specialization, an atypical adherens junction type, in the testis. 2008 , 1778, 692-708	147
726	CD24 induces localization of beta1 integrin to lipid raft domains. 2008 , 365, 35-41	65
725	Tac-beta1 inhibits FAK activation and Src signaling. 2008 , 368, 62-7	6
724	Heterodimerization of integrin Mac-1 subunits studied by single-molecule imaging. 2008 , 368, 882-6	7
723	RN181, a novel ubiquitin E3 ligase that interacts with the KVGFFKR motif of platelet integrin alpha(IIb)beta3. 2008 , 369, 1088-93	27
722	Peptide array-based screening of human mesenchymal stem cell-adhesive peptides derived from fibronectin type III domain. 2008 , 371, 85-9	36
721	Biointerface Technology. 2013 , 611-634	
720	Role of Integrins in Angiogenesis. 2013 , 79-91	1
719	Cell-Matrix Adhesion Proteins in the Regulation of Endothelial Permeability. 2013 ,	
718	Studying the Roles of Some Key Molecules in Acute Allergic Asthma. 2014 , 19-90	
717	Integrins: Signalling and Disease.	1
716	Role of Integrin α 4 (VLA α 4/Very Late Antigen 4) in Lymphopoiesis by Short- and Long-Term Transplantation Studies in Genetic Knockout Model of Mice. 2014 , 111-127	
715	Integrin Superfamily.	
714	Signalling via Single-Pass Transmembrane Proteins.	1
713	Combined pulldown and time-lapse microscopy studies for determining the role of Rap1 in the crosstalk between integrins and cadherins. 2014 , 1120, 177-95	1
712	MicroRNAs in Epithelial Mesenchymal Transition and Breast Cancer Progression. 2014 , 103-115	
711	Invasion and metastasis in the viewpoint of cell adhesive molecules. 2014 , 30, 57-8	

- 710 Molecular Life Sciences. **2014**, 1-10
- 709 Emerging Roles of Phospholipase D in Pathophysiological Signaling. **2014**, 359-379
- 708 Basement Membrane in Pancreatic Islet Function. **2014**, 1-19 o
- 707 Molecular Basis for Cell Adhesion and Adhesion-Mediated Signaling. 121-138
- 706 Integrins on Phagocytes. 137-152
- 705 Integrin $\beta 1$ and Its N-Glycosylation. **2015**, 970-975
- 704 VLA4 in Acute Lymphoblastic Leukemia. **2015**, 637-654
- 703 In situ detection of integrin ligands. **2014**, 65, 10.19.1-17 3
- 702 Adhesive Properties of Neutrophils as a Possible Biomarker of Vascular Disease. **2015**, 1-19
- 701 Integrins. **2015**, 26, 3-9
- 700 Focal adhesion kinase induces matrix metalloproteinase-2 by involving $\beta 1$ -mediated signaling in breast cancer cell, MCF-7. **2015**, 2, 29
- 699 Encyclopedia of Cancer. **2015**, 1-3
- 698 Influence of Cell Confluency on the Expression of the $\beta 4$ Integrin Subunit of Retinal Pigment Epithelial Cells. **2015**, 05, 73-82
- 697 Encyclopedia of Cancer. **2015**, 1714-1717
- 696 Barrier Enhancing Signals. **2015**, 85-113
- 695 MetalPolymer Composite Biomaterials. 4551-4573
- 694 Functions of DDR1 in Epithelial Cell Differentiation. **2016**, 239-258
- 693 Lymphocyte Homing and Trafficking. **2016**, 857-864 o

- 692 Adhesive Properties of Neutrophils as a Possible Biomarker of Vascular Disease. **2016**, 985-1003
- 691 Encyclopedia of Membranes. **2016**, 333-334
- 690 DDRs: Binding Properties, Cell Adhesion and Modulation of Integrin Function. **2016**, 3-21 ○
- 689 Biointerface Technology. **2016**, 151-183
- 688 Anatomy and Physiology of the Breast. **2016**, 1-39
- 687 A Freeze-drying Formulation and Target Specificity of Double-stranded RNA-expressing Bacteria to Control Insect Pests. **2016**, 81-89 ○
- 686 Interferencja RNA w terapii genowej nowotworów rejonu głowy i szyi. **2016**, 13, 64-72
- 685 Role of Endothelial Progenitor Cells in Kidney Repair. **2017**, 143-167
- 684 Fertilization and Implantation. **2017**, 65-90
- 683 Hydra ECM/Integrin/Matrix Metalloproteinase Network: Comparative Analysis of Hydra and Vertebrate ECM Signaling Systems based on Current Genomic and EST Databases. **2017**, 3, ○
- 682 The Importance of Cell Signalling - Integrins and Growth Factors - in Bone Tissue Engineering: Applications for the Treatment of Osteosarcoma. **2017**, 2, ○
- 681 The β -integrin endothelial adhesome regulates microtubule dependent cell migration.
- 680 Metal-Polymer Composite Biomaterials. **2017**, 877-899
- 679 New Insights into the Conformational Activation of Full-Length Integrin.
- 678 Forced-rupture of Cell-Adhesion Complexes Reveals abrupt switch between two Brittle States.
- 677 Reticular adhesions: A new class of adhesion complex that mediates cell-matrix attachment during mitosis.
- 676 Acto-myosin driven functional nanoclusters of GPI-anchored proteins are generated by integrin receptor signaling.
- 675 The role of integrins in acute leukemias and potential as targets for therapy. **2018**, 1, 63

674 Molecular Life Sciences. **2018**, 551-560

673 The Specificity of IQGAP1 Toward the PI3K-Akt Pathway is Dependent on the IQ3 motif.

672 [Establishment of a novel evaluation system for dopaminergic axonal outgrowth and its regulatory factor]. **2018**, 152, 240-245

671 Apoptotic Cell Clearance in Gut Tissue: Role of Intestinal Regeneration. **2018**, 87-100

670 Research Advances of Integrin Alpha 4 in Drug Resistant or Relapsed Acute Lymphoblastic Leukemia. **2018**, 06, 35-39

669 EKSTRASELER MATRE YAPISI VE GEBELER **2018**, 23, 295-310

668 Targeting integrin alpha5 receptor in pancreatic stellate cells to diminish tumor-promoting effects in pancreatic cancer.

667 Mechanisms of integrin $\alpha 5$ clustering in flat clathrin lattices. 2

666 Rap1 binding and a lipid-dependent helix in talin F1 domain promote integrin activation in tandem.

665 An Adhesive Interface for the Non-Clustered $\alpha 1$ Protocadherin-1 Involved in Respiratory Diseases.

664 Chapter 2:Adult Stem Cell Culture on Extracellular Matrices and Natural Biopolymers. **2019**, 12-85

663 Leukocyte integrins and their regulation. **2019**, 30, 586-595

662 Das System der Grundregulation α Drehscheibe mit Schlüsselfunktion β Organismus und Ganzheitsmedizin. **2019**, 137-171

661 Introduction. **2019**, xxiii-xliv 1

660 STX4 expression is associated with classification, clinical stage and lymphatic metastasis in ovarian cancer.. **2019**, 8, 466-472

659 The Chemopreventive Activity of Indonesia Medicinal Plants Targeting on Hallmarks of Cancer. **2019**, 9, 219-230 5

658 Isolation of muscle stem cells from rat skeletal muscles.

657 The length of mucin MUC1 extracellular domain affects integrin-mediated cell adhesion to fibronectin and vitronectin. **2019**, 35, 288-302

- 656 Assessment of Cell Adhesion After Purinoceptor Activation. **2020**, 2041, 351-358
- 655 Matrine suppresses breast cancer metastasis by targeting ITGB1 and inhibiting epithelial-to-mesenchymal transition. **2020**, 19, 367-374 4
- 654 Alpha 6 integrins promote cytokinesis by regulating the expression of RSK2 and MKLP1.
- 653 The CX3CL1 oligomerization is required for efficient CX3CR1-specific cell adherence.
- 652 Integrin Affinity Modulation Critically Regulates Atherogenic Endothelial Activation in vitro and in vivo.
- 651 Mechanisms, diagnosis and management of eosinophilic asthma. **2020**, 7, 28-37 0
- 650 Mesenchymal ETV Transcription Factors Regulate Cochlear Length.
- 649 Cell and tissue markers of atherosclerosis. **2020**, 9, 102-113
- 648 Active integrins regulate white adipose tissue insulin sensitivity and brown fat thermogenesis.
- 647 Immunochemical analysis of the integrin expression in retinal pigment epithelial cells.
- 646 Immobilised collagen prevents shedding and induces sustained GPVI clustering and signalling in platelets.
- 645 rLj-RGD4, the shortened peptide of rLj-RGD3 from *Lampetra japonica*, protects against cerebral ischemia/reperfusion injury via the PI3K/Akt pathway. **2020**, 129, 170310
- 644 Molecular motion and tridimensional nanoscale localization of kindlin control integrin activation in focal adhesions. 1
- 643 Regulation of opticin on bioactivity of retinal vascular endothelial cells cultured in collagen. **2020**, 13, 1202-1209 2
- 642 Mechanotransduction at the Plasma Membrane-Cytoskeleton Interface. **2021**, 22, 2
- 641 Targeting integrin $\alpha 3$ with indomethacin inhibits patient-derived xenograft tumour growth and recurrence in oesophageal squamous cell carcinoma. **2021**, 11, e548 1
- 640 Integrins regulate stemness in solid tumor: an emerging therapeutic target. **2021**, 14, 177 6
- 639 Role of Integrins in Sperm Activation and Fertilization. **2021**, 22, 0

- 638 Multi-omics analysis to reveal disorders of cell metabolism and integrin signaling pathways induced by PM. **2021**, 424, 127573 3
- 637 Stretching the Function of Innate Immune Cells. **2021**, 12, 767319 3
- 636 Bone: Functions, Structure and Physiology. **2020**, 3-43 1
- 635 The relationship between integrin $\alpha\text{v}\beta$ and HBV infection in patients with liver cirrhosis and hepatocellular carcinoma: a preliminary report. **2020**, 112, 462-466 1
- 634 Mesenchymal stem cell-derived extracellular matrix (mECM): a bioactive and versatile scaffold for musculoskeletal tissue engineering. **2020**, 16, 012002 0
- 633 Recombinant laminin β LG1-3 domains support the stemness of human mesenchymal stem cells. **2021**, 21, 166 0
- 632 Atypical structure and function of integrin β **2021**, 236, 4874-4887 0
- 631 Potential allosteric sites captured in glycolytic enzymes via residue-based network models: Phosphofructokinase, glyceraldehyde-3-phosphate dehydrogenase and pyruvate kinase. **2022**, 280, 106701 2
- 630 Basic Aspects of Osteocyte Function. **2020**, 43-69
- 629 Integrin β , a RACK1 interacting protein, is required for porcine reproductive and respiratory syndrome virus infection and NF- κ B activation in Marc-145 cells.
- 628 New Biomaterials for Degenerative Disc Disease. **2020**, 273-309
- 627 DAMP-Promoted Efferent Innate Immune Responses in Human Diseases: Fibrosis. **2020**, 211-257
- 626 Kindlin Signaling and Bone. **2020**, 449-460
- 625 Downstream Mechanotransduction Signals. **2020**, 392-403
- 624 Relative Expression of Integrin β in Cyprinid Herpesvirus 3 (CyHV-3) Virus. **2020**, 09, 151-158
- 623 Platelets in the Pathogenesis of Vascular Disease and Their Role as a Therapeutic Target. **2020**, 233-261
- 622 Focal Adhesion Proteins Regulate Cell Matrix and Cell Cell Adhesion and Act as Force Sensors. **2020**, 95-140
- 621 Alternation of Aggregate and Proliferation of Human Pancreatic Cancer Cells in Type I Collagen-coated and Fibronectin-coated Dishes. **2020**, 18, 233-238

- 620 The integrin-mediated adhesome complex, essential to multicellularity, is present in the most recent common ancestor of animals, fungi, and amoebae.
- 619 Integrin β Induction Promotes Tubular Cell Senescence and Kidney Fibrosis. **2021**, 9, 733831 1
- 618 Modelling liver cancer microenvironment: novel 3D culture system as a potential anti-cancer drug screening tool. 1
- 617 ITGA7 relates to disease risk, pathological feature, treatment response and survival in Ph⁺acute lymphoblastic leukemia. **2021**, 15, 1589-1597 0
- 616 Cyclin G2 inhibits oral squamous cell carcinoma growth and metastasis by binding to insulin-like growth factor binding protein 3 and regulating the FAK-SRC-STAT signaling pathway.
- 615 Discovery of A New Class of Integrin Antibodies for Fibrosis. 1
- 614 Understanding Hyaluronan Receptor (CD44) Interaction, HA-CD44 Activated Potential Targets in Cancer Therapeutics. **2021**, 11, 426-438 4
- 613 β -integrins: structure, function and secrets. **2007**, 117-139 1
- 612 Polymorphisms of Platelet Membrane Glycoproteins. **2008**, 277-289
- 611 Cell Adhesion and Motility. **2005**, 221-245
- 610 Dynamics of Cell Adhesion Interactions during Melanoma Development. **2005**, 65-79
- 609 Molekulare Prognosemarker des Harnblasenkarzinoms. **2005**, 27-65
- 608 Wechselwirkungen zwischen Zellen und ihrer Umgebung. **2005**, 309-352
- 607 Old Dogs and New Tricks, Proteases, Inhibitors, and Cell Migration. **2003**, 2003, pe24-pe24 1
- 606 Regulation of Cell Adhesion Responses by Abl Family Kinases. **2006**, 16-25
- 605 EPITHELIAL CELL SURFACE TARGETING USING SYNTHETIC D-AMINO ACID PEPTIDES. **2006**, 179-192
- 604 Convergence of Cytoskeletal Signaling at p21-Activated Kinases. **2008**, 57-78
- 603 Platelets and Prothrombin. **2005**, 283-300

602	Platelet Integrins and Signaling. 2005 , 21-42	
601	The Role of Integrins in Tumor Angiogenesis. 2008 , 49-71	
600	Integrins: Targets for Anti-Angiogenic Therapy. 2008 , 761-777	1
599	Molekulare Mechanismen von Zell-Zell-Wechselwirkungen. 2008 , 21-40	
598	Tissue Engineering [Combining Cells and Biomaterials into Functional Tissues. 2008 , 193-214	
597	Physical biology of cell-substrate interactions under cyclic stretch.	
596	Quantification of Integrin Activation and Ligation in Adherent Cells. 2021 , 2217, 17-25	
595	Single-Protein Tracking to Study Protein Interactions During Integrin-Based Migration. 2021 , 2217, 85-113	
594	Studies of Transendothelial Migration for Biological and Drug Discovery.. 2020 , 2, 600616	4
593	Biopolymers in Regenerative Medicine: Overview, Current Advances, and Future Trends. 2021 , 357-380	0
592	Conference report--tumor-host interactions: a complex network of signals. Highlights from the annual meeting of the American Society for Cell Biology; December 13-17, 2003; San Francisco, California. 2004 , 6, 26	
591	Analysis of retinal pigment epithelium integrin expression and adhesion to aged submacular human Bruch's membrane. 2003 , 101, 499-520	29
590	Integrins in the optic nerve head: potential roles in glaucomatous optic neuropathy (an American Ophthalmological Society thesis). 2006 , 104, 453-77	43
589	Focal adhesion kinase (FAK) expression and activation during lens development. 2007 , 13, 418-30	22
588	Natalizumab in the treatment of Crohn's disease. 2008 , 2, 275-84	14
587	The role of integrins in cancer and the development of anti-integrin therapeutic agents for cancer therapy. 2008 , 2, 57-73	25
586	Integrin signaling aberrations in prostate cancer. 2009 , 1, 211-20	27
585	Beta1-integrin signaling is essential for lens fiber survival. 2007 , 1, 177-89	12

584	Epithelial microfilament regulators show regional distribution in mouse conjunctiva. 2010 , 16, 2215-24	2
583	The role of the recycling endosome in regulating lamellipodia formation and macrophage migration. 2011 , 4, 44-7	6
582	The BRAFV600E mutation: what is it really orchestrating in thyroid cancer?. 2010 , 1, 751-6	22
581	Preclinical molecular imaging of tumor angiogenesis. 2010 , 54, 291-308	27
580	The crucial role of collagen-binding integrins in maintaining the mechanical properties of human scleral fibroblasts-seeded collagen matrix. 2011 , 17, 1334-42	16
579	$\alpha 5 \beta 1$ integrin expression is induced in the POET and Pten(pc ^{-/-}) mouse models of prostatic inflammation and prostatic adenocarcinoma. 2012 , 4, 165-74	12
578	The development of the myotendinous junction. A review. 2012 , 2, 53-63	66
577	Effects of coating a titanium alloy with fibronectin on the expression of osteoblast gene markers in the MC3T3 osteoprogenitor cell line. 2012 , 27, 1081-90	14
576	Prognostic value of $\alpha 5 \beta 1$ integrin expression in colorectal liver metastases. 2014 , 7, 288-300	6
575	The role of integrins in the development and homeostasis of the epidermis and skin appendages. 2013 , 5, 22-33	12
574	Rab11 is Required for Maintenance of Cell Shape Via $\beta 5$ Integrin Mediated Cell Adhesion in Drosophila. 2012 , 1, 185-90	1
573	Behaviour of human induced pluripotent stem cell-derived neural progenitors on collagen scaffolds varied in freezing temperature and laminin concentration. 2014 , 16, 53-62	12
572	Molecular imaging of integrin $\alpha 5 \beta 1$ expression in living subjects. 2014 , 4, 333-45	17
571	GH3 tumor pituitary cell cytoskeleton and plasma membrane arrangement are determined by extracellular matrix proteins: implications on motility, proliferation and hormone secretion. 2014 , 6, 66-83	2
570	Quantitative PET imaging of tumor integrin $\alpha v \beta 3$ expression with 18F-FRGD2. 2006 , 47, 113-21	221
569	Activation of integrin-ERBB2 signaling in undifferentiated thyroid cancer. 2014 , 4, 776-88	4
568	The role of integrin-FAK in cyclic mechanical stimulation in MG-63 cells. 2014 , 7, 7451-9	13
567	Association between polymorphisms in the integrin gene predicted microRNA binding sites and bladder cancer risk. 2014 , 7, 4398-405	5

566	Evaluation of [64Cu]Cu-DOTA and [64Cu]Cu-CB-TE2A chelates for targeted positron emission tomography with an alphavbeta6-specific peptide. 2009 , 8, 111-21	21
565	A MATHEMATICAL ANALYSIS OF PHYSIOLOGICAL AND MOLECULAR MECHANISMS THAT MODULATE PRESSURE GRADIENTS AND FACILITATE VENTRICULAR EXPANSION IN HYDROCEPHALUS. 2012 , 316, 65-81	1
564	Expressions of CD11a, CD11b, and CD11c integrin proteins in rats with myocardial hypertrophy. 2014 , 17, 874-8	2
563	Recombinant disintegrin (r-Cam-dis) from <i>Crotalus adamanteus</i> inhibits adhesion of human pancreatic cancer cell lines to laminin-1 and vitronectin. 2015 , 6, 1-10	8
562	Expression of ITGB1 predicts prognosis in colorectal cancer: a large prospective study based on tissue microarray. 2015 , 8, 12802-10	24
561	A correlation study on the effects of DNMT1 on methylation levels in CD4(+) T cells of SLE patients. 2015 , 8, 19701-8	4
560	Inhibition of LN-308 glioma cell proliferation and migration by retinoic acid amide through activation of Akt pathway. 2015 , 8, 13921-7	
559	Laminin-binding integrin gene copy number alterations in distinct epithelial-type cancers. 2016 , 8, 940-54	7
558	Use of nano-sized clay crystallites to restore adhesion among tumor and aging stem cells - a molecular simulations approach. 2016 , 5, 107-115	2
557	Integrin β 1 is a critical effector in promoting metastasis and chemo-resistance of esophageal squamous cell carcinoma. 2017 , 7, 531-542	21
556	The Role of Integrin Expressing Cells in Modulating Disease Susceptibility and Progression (January 2016). 2016 , 4, 11-27	4
555	Advances in biology of acute lymphoblastic leukemia (ALL) and therapeutic implications. 2018 , 8, 29-56	19
554	Integrin β 5 promotes migration and cisplatin resistance in esophageal squamous cell carcinoma cells. 2019 , 9, 2774-2788	10
553	Overexpression of integrin β 7 correlates with advanced disease condition and poor prognosis in rectal cancer patients. 2018 , 11, 4630-4636	
552	[Expression of β 7 integrin family members in children with T-cell acute lymphoblastic leukemia]. 2017 , 19, 620-626	1
551	Three alleles in the locus of β 7: mutations in the membrane-distal NPxY phosphotyrosine motif. 2020 , 2020,	
550	Integrin alpha-v/beta3 expression in equine lungs and jejunum. 2020 , 84, 245-251	
549	Exposure of the cryptic de-adhesive site FNIII14 in fibronectin molecule and its binding to membrane-type eEF1A induce migration and invasion of cancer cells via β 1-integrin inactivation. 2020 , 10, 3990-4004	1

548	Lysyl Oxidase Mechanisms to Mediate Gastrointestinal Cancer Progression. 2021 , 8, 33-40	
547	Mini-review: Local and downstream responses to the neuromuscular junction: Potential roles for integrins, connexins and ephrins in altering muscle characteristics and function. 2021 , 768, 136359	1
546	The effect of endocrine disrupting chemicals on the vitronectin-receptor (integrin β) mediated cell adhesion of human umbilical vein endothelial cells. 2021 , 79, 105275	1
545	CD93 Signaling via Rho Proteins Drives Cytoskeletal Remodeling in Spreading Endothelial Cells. 2021 , 22,	1
544	The basement membrane in the cross-roads between the lung and kidney. 2021 , 105, 31-31	1
543	Roles of Integrins in Gastrointestinal Cancer Metastasis. 2021 , 8, 708779	0
542	and effects of AVA4746, a novel competitive antagonist of the ligand binding of VLA-4, in B-cell acute lymphoblastic leukemia.. 2022 , 23, 47	1
541	Emerging therapeutic targets for idiopathic pulmonary fibrosis: preclinical progress and therapeutic implications. 2021 ,	2
540	Cilengitide Inhibits Neovascularization in a Rabbit Abdominal Aortic Plaque Model by Impairing the VEGF Signaling. 2021 , 2021, 5954757	
539	The extracellular matrix of hematopoietic stem cell niches. 2021 , 181, 114069	2
538	Gene expression profiling of laminin β -blocked keratinocytes reveals an immune-independent mechanism of blistering. 2021 ,	0
537	α / β Integrins Coordinate Epithelial Cell Migration Through Local Suppression of MAP Kinase Signaling Pathways.. 2021 , 9, 750771	1
536	A poly(ethylene glycol) three-dimensional bone marrow hydrogel. 2021 , 280, 121270	4
535	Thrombolytic Agents: Nanocarriers in Targeted Release. 2021 , 26,	3
534	Natural Compounds as Target Biomolecules in Cellular Adhesion and Migration: From Biomolecular Stimulation to Label-Free Discovery and Bioactivity-Based Isolation.. 2021 , 9,	1
533	GMediates Transendothelial Migration of Neutrophils by Promoting Integrin-Dependent Motility without Affecting Directionality. 2021 ,	
532	Mechanotransduction as a major driver of cell behaviour: mechanisms, and relevance to cell organization and future research. 2021 , 11, 210256	3
531	Loss of integrin α on tumor keratinocytes enhances the stromal vasculature and growth of cutaneous tumors. 2021 ,	

530	An insight into new glycotherapeutic in glial inflammation: Understanding the role of glycosylation from acute to chronic phase of inflammation.	
529	The biophysics of cancer: emerging insights from micro- and nanoscale tools.. 2022 , 2, 2100056	5
528	Molecular Mechanisms and Cellular Contribution from Lung Fibrosis to Lung Cancer Development. 2021 , 22,	12
527	Pyrrole Plasma Polymer-Coated Electrospun Scaffolds for Neural Tissue Engineering. 2021 , 13,	2
526	Macrophage network dynamics depend on haptokinesis for optimal local surveillance.	
525	The marriage of chemokines and galectins as functional heterodimers. 2021 , 78, 8073-8095	2
524	The Functional Role of Extracellular Matrix Proteins in Cancer.. 2022 , 14,	5
523	Geometrical and Mechanical Nanoarchitectonics at Interfaces Bridging Molecules with Cell Phenotypes. 2022 , 275-286	
522	The Oxidative Balance Orchestrates the Main Keystones of the Functional Activity of Cardiomyocytes.. 2022 , 2022, 7714542	1
521	Peri-implantation expression and regulation of ITGB8 in goat uterus.. 2021 , 180, 130-136	1
520	Differential responses of abomasal transcriptome to Haemonchus contortus infection between Haemonchus-selected and Trichostrongylus-selected merino sheep.. 2022 , 87, 102539	
519	9. La morphogenèse : modification de formes dans l'embryon. 2017 , 361-408	
518	Lysyl Oxidase Mechanisms to Mediate Gastrointestinal Cancer Progression. 2021 , 8, 33-40	2
517	How integrin phosphorylations regulate cell adhesion and signaling. 2021 ,	8
516	Septin-Mediated Mechanobiological Reprogramming of T Cell Transmigration and 3D Motility.	
515	Bone Health in Patients with Dyslipidemias: An Underestimated Aspect.. 2022 , 23,	0
514	Modeling maintenance and repair: The matrix loaded. 2022 , 229-255	
513	Stiff matrices enhance myoblast proliferation, reduce differentiation, and alter the response to fluid shear stress in vitro.. 2022 , 80, 161	

512	Tetraspanins as Potential Modulators of Glutamatergic Synaptic Function.. 2021 , 14, 801882	2
511	Glycoengineering human neural stem cells (hNSCs) for adhesion improvement using a novel thiol-modified N-acetylmannosamine (ManNAc) analog. 2022 , 112675	2
510	Integrin/TGF- β inhibitor GLPG-0187 blocks SARS-CoV-2 Delta and Omicron pseudovirus infection of airway epithelial cells which could attenuate disease severity.. 2022 ,	2
509	Phosphoantigens are Molecular Glues that Promote Butyrophilin 3A1/2A1 Association Leading to V β V γ T Cell Activation.	0
508	Recent Progress of RGD Modified Liposomes as Multistage Rocket Against Cancer.. 2021 , 12, 803304	6
507	Synergistic phase separation of two pathways promotes integrin clustering and nascent adhesion formation.. 2022 , 11,	4
506	Integrins as a drug target in liver fibrosis.. 2022 ,	0
505	New insights into the phosphorylation of the threonine motif of the β integrin cytoplasmic domain.. 2022 , 5,	1
504	Transcriptional control of a collagen deposition and adhesion process that promotes lung adenocarcinoma growth and metastasis. 2021 ,	2
503	Poly-L-Lysine and Human Plasmatic Fibronectin Films as Proactive Coatings to Improve Implant Biointegration.. 2021 , 9, 807697	0
502	TGF β -activating integrins β and β are dysregulated in inflammatory skin disease and cutaneous melanoma.. 2022 ,	1
501	The Role of the Extracellular Matrix in Neural Progenitor Cell Proliferation and Cortical Folding During Human Neocortex Development.. 2021 , 15, 804649	1
500	Extracellular matrix background material: Building blocks, general structure, mechanics, relation to cells, and evolutionary aspects. 2022 , 9-27	
499	Molecular dynamics simulations and studies of hybrid decellularized leaf-peptide-polypyrrole composites for potential tissue engineering applications.. 2022 , 1-16	
498	Analysis of Integrin β Subunit Dynamics Reveals Long-Range Effects of Missense Mutations on Calf Domains.. 2022 , 23,	1
497	- and -Induced Neurotoxocarosis Is Associated with Comprehensive Brain Transcriptomic Alterations.. 2022 , 10,	0
496	Cell-extracellular matrix dynamics.. 2021 ,	4
495	Bioprinted microvasculature: progressing from structure to function.. 2022 ,	2

494	Integrins and their role in megakaryocyte development and function.. 2021 ,	0
493	Angiopoietin-2-induced lymphatic endothelial cell migration drives lymphangiogenesis via the α integrin-RhoA-formin axis.. 2022 , 1	2
492	Mapping densely packed α receptors in murine blood platelets with expansion microscopy.. 2022 , 1-10	1
491	Rapid stem cell spreading induced by high affinity α integrin-selective bicyclic RGD peptide in biomimetic hydrogels.	0
490	The Effects of α Integrin Blockage in Breast Tumor and Endothelial Cells under Hypoxia In Vitro.. 2022 , 23,	0
489	Multiscale Strain Transfer in Cartilage.. 2022 , 10, 795522	
488	Phytogenics From Sage and Lemon Verbena Promote Growth, Systemic Immunity and Disease Resistance in Atlantic Salmon (<i>Salmo salar</i>). 2022 , 9,	
487	Advances in molecular pathogenesis of hidradenitis suppurativa: Dysregulated keratins and ECM signaling.. 2022 ,	0
486	Cyclic fertilin-derived peptide stimulates in vitro human embryo development.. 2022 , 3, 49-63	
485	Endothelial Cell Plasma Membrane Biomechanics Mediates Effects of Pro-Inflammatory Factors on Endothelial Mechanosensors: Vicious Circle Formation in Atherogenic Inflammation.. 2022 , 12,	0
484	Integrin mediates cell entry of the SARS-CoV-2 virus independent of cellular receptor ACE2.. 2022 , 101710	4
483	Single-Molecule Force Probing of RGD-Binding Integrins on Pancreatic Cancer Cells.. 2022 ,	2
482	Arabidopsis pavement cell morphogenesis requires FERONIA binding to pectin for activation of ROP GTPase signaling. 2021 ,	8
481	Mechanosensitive molecular mechanisms of myocardial fibrosis in living myocardial slices.. 2022 ,	1
480	Integrin-Mediated Tumorigenesis and Its Therapeutic Applications.. 2022 , 12, 812480	0
479	Platelet Membrane: An Outstanding Factor in Cancer Metastasis.. 2022 , 12,	0
478	The interactions of flaviviruses with cellular receptors: Implications for virus entry.. 2022 , 568, 77-85	1
477	Meaningful connections: Interrogating the role of physical fibroblast cell-cell communication in cancer.. 2022 , 154, 141-168	0

- 476 Filopodial Adhesive Force in Discrete Nodes Revealed by Integrin Molecular Tension Imaging.
- 475 Nanoscale Surface Engineering and Characterization of Biomaterials. **2022**, 27-46
- 474 Immunogenetics of Lupus Erythematosus.. **2022**, 1367, 213-257 0
- 473 MicroRNAs and Corresponding Targets in Esophageal Cancer as Shown and in Preclinical Models.. **2022**, 19, 113-129 1
- 472 Hippo signaling in cardiac fibroblasts during development, tissue repair, and fibrosis. **2022**, 0
- 471 ITGA7, CD133, ALDH1 are inter-correlated, and linked with poor differentiation, lymph node metastasis as well as worse survival in surgical cervical cancer.. **2022**,
- 470 Sphingosine 1-phosphate modulation and immune cell trafficking in inflammatory bowel disease.. **2022**, 2
- 469 A comparison of Cu-labeled bi-terminally PEGylated A20FMDV2 peptides targeting integrin β **2022**, 13, 360-372 1
- 468 Integrin α 5 β 1 Activation and Clustering in Minimal Synthetic Cells. **2022**, 2, 2100094 0
- 467 Comparative Analysis of Gene Expression in Fibroblastic Foci in Patients with Idiopathic Pulmonary Fibrosis and Pulmonary Sarcoidosis.. **2022**, 11, 0
- 466 Direct Binding of Rap1 to Talin1 and to MRL Proteins Promotes Integrin Activation in CD4 T Cells.. **2022**, 0
- 465 Bruch's-Mimetic Nanofibrous Membranes Functionalized with the Integrin-Binding Peptides as a Promising Approach for Human Retinal Pigment Epithelium Cell Transplantation.. **2022**, 27, 0
- 464 Mechanisms Underlying Dichotomous Procoagulant COAT Platelet Generation-A Conceptual Review Summarizing Current Knowledge.. **2022**, 23, 0
- 463 The Molecular Interaction of Collagen with Cell Receptors for Biological Function.. **2022**, 14, 3
- 462 The core autophagy protein ATG9A controls dynamics of cell protrusions and directed migration.. **2022**, 221, 0
- 461 Natural Product-Based Potential Therapeutic Interventions of Pulmonary Fibrosis.. **2022**, 27, 1
- 460 New insights into regulation of α 5 β 1 integrin signaling by filamin A.. **2022**, 6, e12672 0
- 459 Mechanical regulation of bone remodeling.. **2022**, 10, 16 7

458	Uremic toxin indoxyl sulfate induces dysfunction of vascular smooth muscle cells via integrin- α /ERK signaling pathway.. 2022 , 1	1
457	Integrin α mediates the effects of irisin on human mature adipocytes.. 2022 ,	1
456	Loss of talin in cardiac fibroblasts results in augmented ventricular cardiomyocyte hypertrophy in response to pressure overload.. 2022 ,	
455	Understanding the Role of LFA-1 in Leukocyte Adhesion Deficiency Type I (LAD I): Moving towards Inflammation?. 2022 , 23,	0
454	Calreticulin Regulates α -Integrin mRNA Stability in PC-3 Prostate Cancer Cells.. 2022 , 10,	0
453	Yin Yang 1 regulates ITGAV and ITGB1, contributing to improved prognosis of colorectal cancer.. 2022 , 47,	0
452	Integrin Regulated Autoimmune Disorders: Understanding the Role of Mechanical Force in Autoimmunity.. 2022 , 10, 852878	1
451	Measurement of Serum IgG Anti-Integrin α β Autoantibodies Is a Promising Tool in the Diagnosis of Ulcerative Colitis.. 2022 , 11,	0
450	Pericyte-to-endothelial cell signaling via vitronectin-integrin regulates blood-CNS barrier.. 2022 ,	3
449	Prokaryotic Collagen-Like Proteins as Novel Biomaterials.. 2022 , 10, 840939	0
448	CD11b agonists offer a novel approach for treating lupus nephritis.. 2022 ,	2
447	The Calcium-Sensing Receptor Stabilizes Podocyte Function in Proteinuric Humans and Mice.. 2022 ,	1
446	Peptide Mediated Adhesion to Beta-Lactam Ring of Equine Mesenchymal Stem Cells: A Pilot Study.. 2022 , 12,	0
445	Interacting Effects of Sea Louse () Infection and Formalin-Killed on Atlantic Salmon Skin Transcriptome.. 2022 , 13, 804987	
444	Integrin β in forebrain Emx1-expressing cells regulates repetitive self-grooming and sociability in mice.. 2022 , 23, 12	0
443	Surface Free Energy of Titanium Disks Enhances Osteoblast Activity by Affecting the Conformation of Adsorbed Fibronectin. 2022 , 9,	
442	Long noncoding RNA LINC00518 contributes to proliferation and metastasis in lung adenocarcinoma via the miR-335-3p/CTHRC1 Axis.. 2022 , 8, 98	0
441	Site-specific N-glycan profiles of α Integrin from rat liver.. 2022 ,	0

- 440 ATP allosterically stabilizes integrin-linked kinase for efficient force generation.. **2022**, 119, e2106098119 1
- 439 Inhibiting the α 5 integrin subunit increases the strain threshold for neuronal dysfunction under tensile loading in collagen gels mimicking innervated ligaments.. **2022**, 1
- 438 Targeting Neutrophils for Promoting the Resolution of Inflammation.. **2022**, 13, 866747 4
- 437 The molecular mechanism of SARS-CoV-2 evading host antiviral innate immunity.. **2022**, 19, 49 2
- 436 Binding blockade between TLN1 and integrin α 5 represses triple-negative breast cancer.. **2022**, 11, 2
- 435 Force-enhanced biophysical connectivity of platelet β 3 integrin signaling through Talin is predicted by steered molecular dynamics simulations.. **2022**, 12, 4605 1
- 434 Macrophage network dynamics depend on haptokinesis for optimal local surveillance.. **2022**, 11, 2
- 433 Role of integrin α 5 in methotrexate-induced epithelial-mesenchymal transition in alveolar epithelial A549 cells. 1
- 432 RGD-modified dextran hydrogel promotes follicle growth in three-dimensional ovarian tissue culture in mice.. **2022**, 183, 120-131 1
- 431 KRAS Mutants Upregulate Integrin α 5 to Promote Invasion and Metastasis in Colorectal Cancer.. **2022**, 1
- 430 Expression of α 5 integrin and its potential partners in bull reproductive tissues, germ cells and spermatozoa.. **2022**, 1
- 429 Crosstalk Between Macrophages and Vascular Smooth Muscle Cells in Atherosclerotic Plaque Stability.. **2022**, ATVBAHA121316233 1
- 428 Development of Low Molecular Weight Ligands for Integrin α 5 **2022**, 70, 293-299
- 427 Using computational methods to design patient-specific electrospun cardiac patches for pediatric heart failure.. **2022**, 283, 121421 0
- 426 Paxillin: A Hub for Mechano-Transduction from the β 3 Integrin-Talin-Kindlin Axis.. **2022**, 10, 852016 2
- 425 Mechanisms of Cell Adhesion Molecules in Endocrine-Related Cancers: A Concise Outlook.. **2022**, 13, 865436
- 424 Machine learning with imaging features to predict the expression of ITGAV, which is a poor prognostic factor derived from transcriptome analysis in pancreatic cancer.. **2022**, 60,
- 423 Loss of Function of the Neural Cell Adhesion Molecule NrCAM Regulates Differentiation, Proliferation and Neurogenesis in Early Postnatal Hypothalamic Tanycytes.. **2022**, 16, 832961 1

422	Micro-patterned cell populations as advanced pharmaceutical drugs with precise functional control.. 2022 , 114169	1
421	Effects of histamine on the neuroendocrine-immune regulatory network in the Pacific white shrimp, <i>Litopenaeus vannamei</i> . 2022 , 554, 738156	0
420	The role of the cell surface glycocalyx in drug delivery to and through the endothelium.. 2022 , 184, 114195	1
419	TGF- β increases cellular invasion of colorectal neuroendocrine carcinoma cell line through partial epithelial-mesenchymal transition.. 2022 , 30, 101239	1
418	The influence of nanotopography on cell behaviour through interactions with the extracellular matrix - A review.. 2022 , 15, 145-159	2
417	3D Printed Gelatin/Sodium Alginate Hydrogel Scaffolds Doped with Nano-Attapulgitite for Bone Tissue Repair.. 2021 , 16, 8417-8432	1
416	The neural cell adhesion molecule NrCAM regulates development of hypothalamic tanycytes.	
415	The Stiffness of Cardiac Fibroblast Substrates Exerts a Regulatory Influence on Collagen Metabolism via α 5 β 1 Integrin, FAK and Src Kinases.. 2021 , 10,	1
414	Inflammatory macrophages exploit unconventional pro-phagocytic integrins for phagocytosis and anti-tumor immunity.. 2021 , 37, 110111	1
413	Near-infrared Responsive Membrane Nanovesicles Amplify Homologous Targeting Delivery of anti-PD Immunotherapy Against Metastatic Tumors. 2021 , e2101496	1
412	An update on the phenotypic switching of vascular smooth muscle cells in the pathogenesis of atherosclerosis.. 2021 , 79, 6	4
411	The Tongue Squamous Carcinoma Cell Line Cal27 Primarily Employs Integrin α 5 β 1-Containing Type II Hemidesmosomes for Adhesion Which Contribute to Anticancer Drug Sensitivity.. 2021 , 9, 786758	1
410	α 5 β 1 Integrin Expression Is Essential for Replication of Mosquito and Tick-Borne Flaviviruses in Murine Fibroblast Cells.. 2021 , 14,	0
409	A Comprehensive View on the Host Factors and Viral Proteins Associated With Porcine Epidemic Diarrhea Virus Infection.. 2021 , 12, 762358	0
408	A Pan-Cancer Analysis of the Oncogenic Role of Integrin Beta4 (ITGB4) in Human Tumors.. 2021 , 14, 9629-9645	0
407	Molecular Targeted Positron Emission Tomography Imaging and Radionuclide Therapy of Pancreatic Ductal Adenocarcinoma.. 2021 , 13,	1
406	Integrin-driven Axon Regeneration in the Spinal Cord Activates a Distinctive CNS Regeneration Program.	0
405	The RGD-binding integrins α 5 β 1 and α 3 β 1 are receptors for mouse adenovirus-1 and -3 infection.. 2021 , 17, e1010083	1

404	The Extracellular Matrix in Soft Tissue Sarcomas: Pathobiology and Cellular Signalling.. 2021 , 9, 763640	0
403	Integrin-Mediated Targeted Cancer Therapy Using c(RGDyK)-Based Conjugates of Gemcitabine.. 2021 ,	1
402	Recombinant Proteins-Based Strategies in Bone Tissue Engineering.. 2021 , 12,	1
401	Matrix Metalloproteinases Shape the Tumor Microenvironment in Cancer Progression.. 2021 , 23,	18
400	Inside-out Signalling From Aminopeptidase N (CD13) To Complement Receptor 3 (CR3, CD11b/CD18).	
399	Lung adenocarcinoma-specific three-integrin signature contributes to poor outcomes by metastasis and immune escape pathways.. 2021 , 9, 249-263	4
398	The Crosstalk of Long Non-Coding RNA and MicroRNA in Castration-Resistant and Neuroendocrine Prostate Cancer: Their Interaction and Clinical Importance.. 2021 , 23,	3
397	von Willebrand factor D and EGF domains regulate ameloblast differentiation and enamel formation.. 2021 ,	1
396	Comparative study of hydrophobically modified gelatin-based sealant with commercially available sealants. 2021 ,	0
395	Mechanisms of Drug Resistance in Acute Myeloid Leukemia. 2021 , 11, 32-46	
394	Coupling adipose tissue architecture and metabolism via cytoophidia.	
393	TGF β Signaling Blockade for Cancer Immunotherapy. 2022 , 6,	0
392	ITGB1 Drives Hepatocellular Carcinoma Progression by Modulating Cell Cycle Process Through PXN/YWHAZ/AKT Pathways.. 2021 , 9, 711149	1
391	Extracellular matrix-dependent mechanosensing and mechanotransduction. 2022 , 101-127	1
390	Therapeutic Efficacy of Lu-Labeled A20FMDV2 Peptides Targeting β 2022 , 15,	2
389	Synthesis and Evaluation of a Non-Peptide Small-Molecule Drug Conjugate Targeting Integrin β 2022 , 10, 869639	0
388	CRISPR-Mediated Activation of α Integrin Subtypes Promotes Neuronal Differentiation of Neuroblastoma Neuro2a Cells.. 2022 , 4, 846669	1
387	Construction of a circRNA-Mediated ceRNA Network Reveals Novel Biomarkers for Aortic Dissection.. 2022 , 15, 3951-3964	0

- 386 The TAZ-CAMTA1 fusion protein promotes tumorigenesis via connective tissue growth factor and Ras-MAPK signaling in epithelioid hemangioendothelioma.. **2022**, ○
- 385 A Prospective Randomized Controlled Multicenter Clinical Trial Comparing Paste-Type Acellular Dermal Matrix to Standard Care for the Treatment of Chronic Wounds.. **2022**, 11, ○
- 384 A Novel RGD-4C-Saporin Conjugate Inhibits Tumor Growth in Mouse Models of Bladder Cancer.. **2022**, 12, 846958
- 383 Implications of fibrotic extracellular matrix in diabetic retinopathy.. **2022**, 15353702221087175 ○
- 382 3D printing topographic cues for cell contact guidance: a review. **2022**, 110663 ○
- 381 MFG-E8 promotes osteogenic transdifferentiation of smooth muscle cells and vascular calcification by regulating TGF- β signaling.. **2022**, 5, 364 1
- 380 Table_1.DOCX. **2019**,
- 379 image_1.pdf. **2018**,
- 378 image_2.pdf. **2018**,
- 377 image_3.pdf. **2018**,
- 376 image_4.pdf. **2018**,
- 375 image_5.pdf. **2018**,
- 374 DataSheet_1.docx. **2021**,
- 373 Image_1.tif. **2021**,
- 372 Image_2.tif. **2021**,
- 371 Image_3.tif. **2021**,
- 370 Image_4.tif. **2021**,
- 369 Image_5.tif. **2021**,

368 Image_6.tif. **2021,**

367 Image_7.tif. **2021,**

366 Image_1.TIF. **2018,**

365 Data_Sheet_1.PDF. **2019,**

364 Image_1.PNG. **2019,**

363 Image_2.TIF. **2019,**

362 Image_3.JPEG. **2019,**

361 Image_4.TIF. **2019,**

360 Image_5.TIF. **2019,**

359 Image_6.TIF. **2019,**

358 Image_7.TIF. **2019,**

357 Image_8.JPEG. **2019,**

356 Image_9.TIF. **2019,**

355 Table_1.DOCX. **2019,**

354 Video_1.AVI. **2019,**

353 Video_2.AVI. **2019,**

352 Video_3.AVI. **2019,**

351 Video_4.AVI. **2019,**

350 Image_1.pdf. 2020,

349 Table_1.xls. 2020,

348 Table_2.xls. 2020,

347 Table_3.xls. 2020,

346 Table_4.xls. 2020,

345 Table_5.xls. 2020,

344 Table_6.docx. 2020,

343 Table_7.docx. 2020,

342 Image_1.TIF. 2020,

341 Image_2.TIF. 2020,

340 Image_3.TIF. 2020,

339 Image_4.TIF. 2020,

338 Image_5.TIF. 2020,

337 Image_6.TIF. 2020,

336 Image_7.TIF. 2020,

335 Table_1.xlsx. 2020,

334 Table_2.XLSX. 2020,

333 Data_Sheet_1.PDF. 2020,

332 Table_2.xlsx. 2020,

331 Image_1.TIF. 2020,

330 Image_2.TIF. 2020,

329 Image_3.TIF. 2020,

328 Table_1.DOCX. 2020,

327 Data_Sheet_1.docx. 2019,

326 Data_Sheet_2.xls. 2019,

325 Image_1.TIF. 2019,

324 Image_2.TIF. 2019,

323 Image_3.TIF. 2019,

322 Image_4.TIF. 2019,

321 Image_1.tif. 2020,

320 Image_2.tif. 2020,

319 Image_3.tif. 2020,

318 Image_4.tif. 2020,

317 Image_5.tif. 2020,

316 Image_1.TIF. 2018,

315 Image_2.TIF. 2018,

314 Image_3.TIF. 2018,

313 Image_4.TIF. 2018,

312 Image_5.TIF. 2018,

311 Table_1.docx. 2018,

310 Table_2.DOCX. 2018,

309 Data_Sheet_1.docx. 2018,

308 Data_Sheet_1.XLSX. 2018,

307 Data_Sheet_2.XLSX. 2018,

306 Reactive Oxygen Species Scavenging Nanomedicine for The Treatment of Ischemic Heart Disease.. 2022, e2202169 9

305 CDK1-cyclin-B1-induced kindlin degradation drives focal adhesion disassembly at mitotic entry.. 2022, 0

304 Osteopontin/secreted phosphoprotein-1 harnesses glial-, immune-, and neuronal cell ligand-receptor interactions to sense and regulate acute and chronic neuroinflammation.. 2022, 3

303 Molecular Mechanisms of Leukocyte α Integrin Activation.. 2022, 1

302 The Secreted Protein PA3611 Promotes Bronchial Epithelial Cell Epithelial-Mesenchymal Transition via Integrin α -Mediated TGF- β -Induced p38/NF- κ B Pathway Activation.. 2021, 12, 763749

301 Time-extended exposure of gastric epithelial cells to secretome of α -activated fibroblasts induces reprogramming of gastric epithelium towards pre-cancerogenic and pro-invasive phenotype.. 2022, 12, 1337-1371

300 Integrins, anchors and signal transducers of hematopoietic stem cells during development and in adulthood. 2022, 0

299 KANK4 Promotes Arteriogenesis by Potentiating VEGFR2 Signaling in a TALIN-1-Dependent Manner.. 2022, 101161ATVBAHA122317711

298 Integrins as Therapeutic Targets for SARS-CoV-2. 2022, 12, 2

297 The Effects of Mechanical Stretch on Integrins and Filopodial-Associated Proteins in Normal and Glaucomatous Trabecular Meshwork Cells.. 2022, 10, 886706 0

296	Collagen IV- α 1-Integrin Influences INS-1 Cell Insulin Secretion Enhanced SNARE Protein Expression.. 2022 , 10, 894422	0
295	Evidence That α 1-Integrin Is Required for the Anti-Viability and Anti-Proliferative Effect of Resveratrol in CRC Cells.. 2022 , 23,	2
294	The mitogen-activated protein kinase kinase kinase, ILK5, regulates plant purinergic receptor-mediated, innate immunity.	0
293	Advances in the Structural and Physiological Functions of SHARPIN.. 2022 , 13, 858505	1
292	To Stick or Not to Stick: The Multiple Roles of Cell Adhesion Molecules in Neural Circuit Assembly.. 2022 , 16, 889155	0
291	Mechanism of integrin activation by talin and its cooperation with kindlin.. 2022 , 13, 2362	2
290	Signaling Pathways Regulating the Expression of the Glioblastoma Invasion Factor TENM1. 2022 , 10, 1104	1
289	Tetraspanin 7 promotes osteosarcoma cell invasion and metastasis by inducing EMT and activating the FAK-Src-Ras-ERK1/2 signaling pathway.. 2022 , 22, 183	2
288	Molecular determinants of α 5 β 1 localization in flat clathrin lattices: Role of α 5 β 1 in cell adhesion and proliferation.. 2022 ,	0
287	ICAP-1 loss impairs CD8 thymocyte development and leads to reduced marginal zone B cells in mice.. 2022 ,	
286	The myokine Fibcd1 is an endogenous determinant of myofiber size and mitigates cancer-induced myofiber atrophy.. 2022 , 13, 2370	0
285	The Structure and Function of Next-Generation Gingival Graft Substitutes-A Perspective on Multilayer Electrospun Constructs with Consideration of Vascularization.. 2022 , 23,	
284	The receptor kinase OsWAK11 monitors cell wall pectin changes to fine-tune brassinosteroid signaling and regulate cell elongation in rice.. 2022 ,	2
283	Pathways of integrins in the endo-lysosomal system.. 2022 , 1	0
282	Identification of proteins and N-glycosylation sites of knee cartilage in Kashin-Beck disease compared with osteoarthritis.. 2022 , 210, 128-138	0
281	Effect of substrate stiffness on the mechanical properties of cervical cancer cells.. 2022 , 725, 109281	0
280	OxLDL induces membrane structure rearrangement leading to biomechanics alteration and migration deficiency in macrophage.. 2022 , 183951	0
279	Design, synthesis and evaluation of RGD peptidomimetic α Gold nanostar conjugates as M21 cell adhesion inhibitors. 2022 , 105873	

- 278 Modelling liver cancer microenvironment using a novel 3D culture system.. **2022**, 12, 8003 3
- 277 Integrin/TGF- β Inhibitor GLPG-0187 Blocks SARS-CoV-2 Delta and Omicron Pseudovirus Infection of Airway Epithelial Cells In Vitro, Which Could Attenuate Disease Severity. **2022**, 15, 618 0
- 276 Recombinant expression a novel fibronectin-collage fusion peptide modulating stem cell stemness via integrin β .. **2022**, 3, 114362 0
- 275 Revisiting laminin and extracellular matrix remodeling in metastatic squamous cell carcinoma: What have we learned after more than four decades of research?. **2022**, 15, 618 0
- 274 Regulation of Dynamic Cell Adhesion by Integrin-Integrin Crosstalk. **2022**, 11, 1685 0
- 273 Ancient Origins of Cytoskeletal Crosstalk: Spectraplakins-like Proteins Precede the Emergence of Cortical Microtubule Stabilization Complexes as Crosslinkers. **2022**, 23, 5594 0
- 272 Histomorphometry of Ossification in Functionalised Ceramics with Tripeptide Arg-Gly-Asp (RGD): An In Vivo Study. **2022**, 12, 761 0
- 271 Mechanism of ketotifen fumarate inhibiting renal calcium oxalate stone formation in SD rats. **2022**, 151, 113147 0
- 270 Proximity labeling methods for proteomic analysis of membrane proteins. **2022**, 264, 104620 0
- 269 Peptide-decorated nanocarriers penetrating the blood-brain barrier for imaging and therapy of brain diseases. **2022**, 114362 0
- 268 A humanized α integrin knockin mouse reveals localized intra- and extravascular neutrophil integrin activation in vivo. **2022**, 39, 110876 2
- 267 Mechanisms during Osteogenic Differentiation in Human Dental Follicle Cells. **2022**, 23, 5945 0
- 266 Novel Functions of Integrins as Receptors of CD154: Their Role in Inflammation and Apoptosis. **2022**, 11, 1747 0
- 265 Varied solutions to multicellularity: The biophysical and evolutionary consequences of diverse intercellular bonds. **2022**, 3, 021305 0
- 264 The cytotoxicity of PM2.5 and its effect on the secretome of normal human bronchial epithelial cells. **2022**, 15, 618 0
- 263 Transcriptomic analysis reveals high ITGB1 expression as a predictor for poor prognosis of pancreatic cancer. **2022**, 17, e0268630 0
- 262 Drug Delivery Systems in the Development of Novel Strategies for Glioblastoma Treatment. **2022**, 14, 1189 0
- 261 RGD α 1 X 2 motif regulates integrin α β 5 binding for pluripotent stem cell adhesion. **2022**, 36, 114362 1

- 260 A 3D-printed scaffold-based osteosarcoma model allows to investigate tumor phenotypes and pathogenesis in an in vitro bone-mimicking niche. **2022**, 15, 100295 0
- 259 The Connection Between Rap1 and Talin1 in the Activation of Integrins in Blood Cells. **2022**, 10, 258 Fertilization and Implantation. **2022**, 79-107 0
- 257 Maternal age affects equine day 8 embryo gene expression both in trophoblast and inner cell mass. **2022**, 23, 256 GPI-anchored FGF directs cytoneme-mediated bidirectional contacts to regulate its tissue-specific dispersion. **2022**, 13, 1
- 255 Integrin Regulators in Neutrophils. **2022**, 11, 2025 0
- 254 Bit1 is involved in regulation between integrin and TGF β signaling in lens epithelial cells. 1-15
- 253 PEAK1 Y635 phosphorylation regulates cell migration through association with Tensin3 and integrins. **2022**, 221, 1
- 252 The proliferative and multipotent epidermal progenitor cells for human skin reconstruction in vitro and in vivo.
- 251 Senescent hepatic stellate cells promote liver regeneration through IL-6 and ligands of CXCR2.
- 250 Cardiac differentiation of human pluripotent stem cells using defined extracellular matrix proteins reveals essential role of fibronectin. 11, 0
- 249 Cryo-electron Microscopic Analysis of Single-Pass Transmembrane Receptors. 1
- 248 Notoginsenoside R1-loaded mesoporous silica nanoparticles targeting the site of injury through inflammatory cells improves heart repair after myocardial infarction. **2022**, 102384 1
- 247 Application of the adverse outcome pathway concept for investigating developmental neurotoxicity potential of Chinese herbal medicines by using human neural progenitor cells in vitro. 2
- 246 Basement Membrane, Collagen, and Fibronectin: Physical Interactions with Cancer Cells. **2022**, 247-277
- 245 Solubilization and Purification of β 1 Integrin from Rat Liver for Reconstitution into Nanodiscs. **2022**, 1-18 1
- 244 Transcriptomic landscape of sodium butyrate-induced growth inhibition of human colorectal cancer organoids. 0
- 243 Molecular ZIP codes in targeted drug delivery. **2022**, 119, 0

- 242 Integrins in the Immunity of Insects: A Review. 13, 0
- 241 The impact of genetic manipulation of laminin and integrins at the blood-brain barrier. **2022**, 19, 0
- 240 The Extracellular Matrix Stiffening: A Trigger of Prostate Cancer Progression and Castration Resistance?. **2022**, 14, 2887 0
- 239 Phostensin enables lymphocyte integrin activation and population of peripheral lymphoid organs. **2022**, 219, 0
- 238 The expression of keratan sulfate in malignant melanoma enhances the adhesion and invasion activity of melanoma cells. 0
- 237 Age-Associated Dysregulation of Integrin Function in Vascular Smooth Muscle. 13, 1
- 236 RGD-Labeled Hemocytes With High Migration Activity Display a Potential Immunomodulatory Role in the Pacific Oyster *Crassostrea gigas*. 13, 0
- 235 Molecular Condensation and Mechanoregulation of Plant Class I Formin, an Integrin-like Actin Nucleator. 0
- 234 Surface-Sensitive Imaging Analysis of Cell-Microenvironment Interactions by Electrochemiluminescence Microscopy. 2
- 233 Importance of the Microenvironment and Mechanosensing in Adipose Tissue Biology. **2022**, 11, 2310 0
- 232 Autocrine pro-legumain promotes breast cancer metastasis via binding to integrin $\alpha 5 \beta 1$. 0
- 231 A CRISPR screen targeting PI3K effectors identifies RASA3 as a negative regulator of LFA-1-mediated adhesion in T cells. **2022**, 15, 1
- 230 Talin variant P229S compromises integrin activation and associates with multifaceted clinical symptoms. 1
- 229 Integrins in cardiac fibrosis. **2022**, 172, 1-13 1
- 228 Chapter 10. NMR Structures, Dynamics and Interactions of Protein Complexes in α Integrins. **2022**, 254-276 0
- 227 Reduced Graphene Oxide Modulates the FAK-Dependent Signaling Pathway in Glioblastoma Multiforme Cells In Vitro. **2022**, 15, 5843 0
- 226 HepaCAM Suppresses Glioblastoma Stem Cell Invasion in the Brain. 0
- 225 Ligand-bound integrin $\alpha 5 \beta 1$ internalisation and trafficking. 10, 0

- 224 Advances in nuclear medicine-based molecular imaging in head and neck squamous cell carcinoma. **2022**, 20, 0
- 223 Tension-driven multi-scale self-organisation in human iPSC-derived muscle fibers. 11,
- 222 Characterization of focal adhesion proteins in rodent hepatic stellate cells.
- 221 $\alpha 5 \beta 1$ integrin regulates alveolar epithelial cell differentiation following injury.
- 220 ITGAL infers adverse prognosis and correlates with immunity in acute myeloid leukemia. **2022**, 22, 1
- 219 Heterotropic roles of divalent cations in the establishment of allostery and affinity maturation of integrin $\alpha 5 \beta 1$. **2022**, 40, 111254 0
- 218 Spatial Delivery of Triple Functional Nanoparticles via an Extracellular Matrix-Mimicking Coaxial Scaffold Synergistically Enhancing Bone Regeneration. **2022**, 14, 37380-37395 1
- 217 Evaluation of sperm integrin $\alpha 5 \beta 1$ as a potential marker of fertility in humans. **2022**, 17, e0271729 0
- 216 Dynamic Changes of Gene Expression in Mouse Mural Trophectoderm Regulated by Cdx2 During Implantation. 10,
- 215 Functional and expression analysis reveals the involvement of integrin $\alpha 5 \beta 1$ in antiviral immunity of grass carp (*Ctenopharyngodon idella*). **2022**, 1 1
- 214 Fibronectin-integrin $\beta 1$ signaling promotes thoracic aortic aneurysm in a mouse model of Marfan syndrome.
- 213 Selective Integrin $\alpha 5 \beta 1$ Targeting through Spatially Constrained Multivalent DNA-Based Nanoparticles. **2022**, 27, 4968 0
- 212 $\alpha 5 \beta 1$ Integrin induces adhesion and migration of human Th17 cells via Pyk2-dependent activation of P2X4 receptor. 0
- 211 Remote magnetic actuation of cell signalling for tissue engineering. **2022**, 100410 0
- 210 Extracellular vesicles induce aggressive lung cancer via non-canonical integrin-EGFR-KRAS signaling.
- 209 Anoikis resistance in diffuse glioma: The potential therapeutic targets in the future. 12, 1
- 208 On modeling the multiscale mechanobiology of soft tissues: Challenges and progress. **2022**, 3, 031303
- 207 Platelet cancer cell interplay as a new therapeutic target. **2022**, 1877, 188770 0

206	Transcriptomic responses to cytotoxic drug cisplatin in water flea <i>Daphnia magna</i> . 2022 , 95, 103964	
205	SCO-spondin-derived peptide NX210 rescues neurons from cerebral ischemia/reperfusion injury through modulating the Integrin- α mediated PI3K/Akt pathway. 2022 , 111, 109079	0
204	Arg-Gly-Asp-binding integrins activate hepatic stellate cells via the hippo signaling pathway. 2022 , 99, 110437	
203	Thyroid hormone-dependent oligodendroglial cell lineage genomic and non-genomic signaling through integrin receptors. 13,	0
202	Antiviral strategies against human metapneumovirus: Targeting the fusion protein. 2022 , 207, 105405	1
201	Chemo-transport-mechanics in advecting membranes. 2022 , 181, 103746	0
200	Structure elucidation, immunomodulatory activity, antitumor activity and its molecular mechanism of a novel polysaccharide from <i>Boletus reticulatus</i> Schaeff. 2023 , 12, 647-661	0
199	Cancer and Apoptosis. 2022 , 191-210	1
198	Exosomes. 2023 , 89-100	0
197	Integrins in Ovarian Cancer: Survival Pathways, Malignant Ascites and Targeted Photochemistry.	0
196	Multifunctional Plant Virus Nanoparticles for Targeting Breast Cancer Tumors. 2022 , 10, 1431	0
195	Clinical Strategies Targeting the Tumor Microenvironment of Pancreatic Ductal Adenocarcinoma. 2022 , 14, 4209	1
194	Integrin β /Cell Surface GRP78 Complex Regulates TGF β and Its Profibrotic Effects in Response to High Glucose. 2022 , 10, 2247	0
193	Progesterone Receptor Modulates Extraembryonic Mesoderm and Cardiac Progenitor Specification during Mouse Gastrulation. 2022 , 23, 10307	0
192	Filopodial adhesive force in discrete nodes revealed by integrin molecular tension imaging. 2022 ,	0
191	ITGA5 Promotes Tumor Progression through the Activation of the FAK/AKT Signaling Pathway in Human Gastric Cancer. 2022 , 2022, 1-18	0
190	Integrin alpha 2 is associated with tumor progression and postoperative recurrence in non-small cell lung cancer.	0
189	Enhancing the therapeutic efficacy of nanoparticles for cancer treatment using versatile targeted strategies. 2022 , 15,	5

- 188 The role of semaphorins in cardiovascular diseases: Potential therapeutic targets and novel biomarkers. **2022**, 36, ○
- 187 Pro-inflammatory chemokines CCL5, CXCL12, and CX3CL1 bind to and activate platelet integrin α _{IIb} β 3 in an allosteric manner. ○
- 186 The structural basis of α 5 integrin intra-cellular multi-protein complexes. ○
- 185 Type IV collagen reduces MUC5AC secretion in the lungs of ovalbumin-sensitized mice. 13, ○
- 184 Comparative Methylome Analysis Reveals Epigenetic Signatures Associated with Growth and Shell Color in the Pacific Oyster, *Crassostrea gigas*. ○
- 183 A study on the effect of microgroove-fibronectin complex titanium plate on the expression of various cell behavior-related genes in human gingival fibroblasts. **2022**, 38, 150-161 ○
- 182 Ihog proteins contribute to integrin-mediated focal adhesions. ○
- 181 Mechanotransduction through adhesion molecules: Emerging roles in regulating the stem cell niche. 10, ○
- 180 Integrins in Health and Disease. 1
- 179 Metal Ion Doping of Alginate-Based Surface Coatings Induces Adipogenesis of Stem Cells. 1
- 178 The potential role of integrin alpha 6 in human mesenchymal stem cells. 13, 1
- 177 The Perspective of Vitamin D on suPAR-Related AKI in COVID-19. **2022**, 23, 10725 1
- 176 Markers for human haematopoietic stem cells: The disconnect between an identification marker and its function. 13, ○
- 175 Importance of α 5 β 1-glycosylation of Integrins in Various Cellular Functions. **2022**, 34, E91-E95 ○
- 174 High-Resolution Conformational Analysis of RGDechi-Derived Peptides Based on a Combination of NMR Spectroscopy and MD Simulations. **2022**, 23, 11039 ○
- 173 CCN1/Integrin α 5 β 1 Instigates Free Fatty Acid-Induced Hepatocyte Lipid Accumulation and Pyroptosis through NLRP3 Inflammasome Activation. **2022**, 14, 3871 ○
- 172 Involvement of the extracellular matrix and integrin signalling proteins in skeletal muscle glucose uptake. ○
- 171 The β 3 integrin EGF domains support a constitutive extended conformation, and the cytoplasmic domain impairs outside-in signaling. ○

- 170 Expression of the phagocytic receptors $\alpha 5 \beta 1$ and $\alpha 5 \beta 2$ is controlled by RIAM, VASP and Vinculin in neutrophil-differentiated HL-60 cells. 13, 0
- 169 Mechanotransduction in the pathogenesis of non-alcoholic fatty liver disease. 2022, 0
- 168 The Perivascular Niche of Endometrial Mesenchymal Stromal/Stem Cells. Publish Ahead of Print, 0
- 167 The role of the dystrophin glycoprotein complex in muscle cell mechanotransduction. 2022, 5, 1
- 166 Pro-Inflammatory Chemokines CCL5, CXCL12, and CX3CL1 Bind to and Activate Platelet Integrin $\alpha 5 \beta 1$ in an Allosteric Manner. 2022, 11, 3059 0
- 165 QnAs with Richard O. Hynes, Erkki Ruoslahti, and Timothy A. Springer: Winners of the 2022 Albert Lasker Basic Medical Research Award. 2022, 119, 0
- 164 Importance of $\alpha 5 \beta 1$ -glycosylation of Integrins in Various Cellular Functions. 2022, 34, J91-J95 0
- 163 Nanomedicine for targeting the lung cancer cells by interpreting the signaling pathways. 2022, 103865 0
- 162 Reflections on Integrins Past, Present, and Future. 2022, 328, 1291 0
- 161 Dysregulation of integrin $\alpha 5 \beta 1$ and $\alpha 5 \beta 2$ impedes migration of placental endothelial cells in fetal growth restriction. 2022, 149, 0
- 160 Bone regeneration materials and their application over 20 years: A bibliometric study and systematic review. 10, 0
- 159 Cytoophidia coupling adipose architecture and metabolism. 2022, 79, 1
- 158 Talin and kindlin cooperate to control the density of integrin clusters.. 0
- 157 Vascular smooth muscle- and myeloid cell-derived integrin $\alpha 5 \beta 1$ does not directly mediate the development of atherosclerosis in mice. 2022, 360, 15-20 0
- 156 Integrin-mediated cancer progression as a specific target in clinical therapy. 2022, 155, 113745 0
- 155 Near-infrared (NIR) fluorescence-emitting small organic molecules for cancer imaging and therapy. 2022, 51, 8957-9008 0
- 154 Novel Insights into Pathophysiology of Orbital Inflammatory Diseases and Progression to Orbital Lymphoma by Pathway Enrichment Analysis. 2022, 12, 1660 0
- 153 Effect of Degree of Deacetylation of Chitosan/Chitin on Human Neural Stem Cell Culture. 2200389 0

- 152 α -integrin α key player in controlling pancreatic beta cell insulin secretion via interplay with SNARE proteins. ○
- 151 Integrin Alpha v Beta 6 (AVB) and Its Implications in Cancer Treatment. **2022**, 23, 12346 ○
- 150 Hierarchical Quatsome-RGD Nanoarchitectonic Surfaces for Enhanced Integrin-Mediated Cell Adhesion. **2022**, 14, 48179-48193 1
- 149 Comparative Transcriptomics and Proteomics of Cancer Cell Lines Cultivated by Physiological and Commercial Media. **2022**, 12, 1575 ○
- 148 Reversible Platelet Integrin α IIb β Activation and Thrombus Instability. **2022**, 23, 12512 ○
- 147 Tension Enhances the Binding Affinity of α Integrin by Clamping Talin Tightly: An Insight from Steered Molecular Dynamics Simulations. 1
- 146 The CaT stretcher: An open-source system for delivering uniaxial strain to cells and tissues (CaT). 10, ○
- 145 c-Met-integrin cooperation: Mechanisms, tumorigenic effects, and therapeutic relevance. 10, ○
- 144 TNS1: Emerging Insights into Its Domain Function, Biological Roles, and Tumors. **2022**, 11, 1571 ○
- 143 Vinculin recruitment to β -catenin halts the differentiation and maturation of enterocyte progenitors to maintain homeostasis of the *Drosophila* intestine. 11, ○
- 142 Potential Focal Adhesion Kinase Inhibitors in Management of Cancer: Therapeutic Opportunities from Herbal Medicine. **2022**, 23, 13334 ○
- 141 Early committed polarization of intracellular tension in response to cell shape determines the osteogenic differentiation of mesenchymal stromal cells. **2022**, ○
- 140 Effect of mechanical forces on cellular response to radiation. **2022**, 176, 187-198 ○
- 139 Activin A promotes human trophoblast invasion by upregulating integrin β via ALK4-SMAD4 signaling. **2022**, 129, 62-69 ○
- 138 Synergistic regulation of microglia differentiation by CD93 and integrin α in the rat pneumococcal meningitis model. **2022**, ○
- 137 Sequence variants in the ITGB2 gene underlying leukocyte adhesion deficiency Type-1 in four consanguineous families. **2022**, 29, 101699 ○
- 136 Enhancing cell survival in 3D printing of organoids using innovative bioinks loaded with pre-cellularized porous microscaffolds. **2022**, 28, e00247 ○
- 135 Integrin binding peptides facilitate growth and interconnected vascular-like network formation of rat primary cortical vascular endothelial cells in vitro. **2023**, 18, 1052 ○

- 134 Multifunctional nanoprobes combined with radiotherapy and hypoxia-activated therapy synergistically improve antitumor efficacy. **2022**, 12, 32297-32306 ○
- 133 Periodontal Ligaments Enhance Neurite Outgrowth in Trigeminal Ganglion Neurons through Wnt5a Production Induced by Mechanical Stimulation. ○
- 132 Biomechanical Forces Determine Fibroid Stem Cell Transformation and the Receptivity Status of the Endometrium: A Critical Appraisal. **2022**, 23, 14201 ○
- 131 Delivery of Theranostic Nanoparticles to Various Cancers by Means of Integrin-Binding Peptides. **2022**, 23, 13735 1
- 130 FGFR2 controls growth, adhesion and migration of nontumorigenic human mammary epithelial cells by regulation of integrin β degradation. ○
- 129 Integrin Conformational Dynamics and Mechanotransduction. **2022**, 11, 3584 ○
- 128 Hypoxia-Induced Neurite Outgrowth Involves Regulation Through TRPM7. ○
- 127 An insight into new glycotherapeutics in glial inflammation: Understanding the role of glycosylation in mitochondrial function and acute to the chronic phases of inflammation. ○
- 126 Netrin-4: Focus on Its Role in Axon Guidance, Tissue Stability, Angiogenesis and Tumors. ○
- 125 Probing the effect of glycosaminoglycan depletion on integrin interactions with collagen I fibrils in the native ECM environment.. ○
- 124 Mechanosensing in macrophages and dendritic cells in steady-state and disease. 10, 1
- 123 Integrin β regulates marginal zone B cell differentiation and PI3K signaling. **2023**, 220, ○
- 122 Gelatin coating enhances therapeutic cell adhesion to the infarcted myocardium via ECM binding. **2022**, 17, e0277561 ○
- 121 Identification of susceptibility modules and hub genes of osteoarthritis by WGCNA analysis. 13, ○
- 120 Cell Migration. **2016**, 247-259 ○
- 119 Integrin β /FAK/ERK signalling pathway is essential for Chinese mitten crab *Eriocheir sinensis* hemocyte survival. **2023**, 132, 108473 ○
- 118 Gene expression profile of placentomes and clinical parameters in the cows with retained placenta. **2022**, 23, ○
- 117 Extracellular matrix: Brick and mortar in the skeletal muscle stem cell niche. 10, ○

- 116 The Functional Properties and Physiological Roles of Signal-Transducing Adaptor Protein-2 in the Pathogenesis of Inflammatory and Immune Disorders. **2022**, 10, 3079 ○
- 115 Collagen type I-mediated mechanotransduction controls epithelial cell fate conversion during intestinal inflammation. **2022**, 42, ○
- 114 Myeloperoxidase: Regulation of Neutrophil Function and Target for Therapy. **2022**, 11, 2302 ○
- 113 Programming Multicellular Assembly with Synthetic Cell Adhesion Molecules. ○
- 112 New insights into the analgesic properties of the XCL1/XCR1 and XCL1/ITGA9 axes modulation under neuropathic pain conditions - evidence from animal studies. 13, 1
- 111 Full-length $\beta\beta$ CryoEM structure reveals intact integrin initiate-activation intrinsic architecture. ○
- 110 Focal adhesion assembly requires phosphorylation signaling. ○
- 109 Integrin β Mutations Are Associated With Adult-Onset Cardiac Dysfunction in Humans and Mice. **2022**, 11, ○
- 108 Endothelial CellMatrix Interactions in Angiogenesis and Vessel Homeostasis: A Focus on Laminins and Their Integrin Receptors. **2023**, 63-85 ○
- 107 Controlling in and out β the future of interfering with immune cell trafficking in inflammatory bowel disease. 1-13 ○
- 106 An altered extracellular matrix-integrin interface contributes to Huntington β disease-associated CNS dysfunction in glial and vascular cells. ○
- 105 CellExtracellular Matrix Adhesions in Vascular Endothelium. **2023**, 175-204 ○
- 104 Re-evaluation of the myoepithelial cells roles in the breast cancer progression. **2022**, 22, ○
- 103 The Role of Molecular and Hormonal Factors in Obesity and the Effects of Physical Activity in Children. **2022**, 23, 15413 ○
- 102 RGD density along with substrate stiffness regulate hPSC hepatocyte functionality through YAP signalling. **2022**, 121982 ○
- 101 Adhesion Molecules as Prognostic Biomarkers in Coronary Artery Disease. **2023**, 23, ○
- 100 Acoustic Force-Based CellMatrix Avidity Measurement in High Throughput. **2023**, 13, 95 ○
- 99 The Potential Role of Integrin Signaling in Memory and Cognitive Impairment. **2023**, 13, 108 ○

98	Vascular Mechanotransduction.	0
97	Force-regulated spontaneous conformational changes of integrins $\alpha 5 \beta 1$ and $\alpha 5 \beta 3$.	0
96	Integrin β targeted cancer imaging and therapy. 2023 , 4, 4	0
95	Targeting integrin pathways: mechanisms and advances in therapy. 2023 , 8,	1
94	The Effects of Mesenteric Inflammation on Intestinal Fibrosis. 2023 , 149-163	0
93	Convergent Genomic Signatures of Cashmere Traits: Evidence for Natural and Artificial Selection. 2023 , 24, 1165	0
92	Molecular Modeling Insights into the Structure and Behavior of Integrins: A review. 2023 , 12, 324	0
91	Matricellular Protein SMOC2 Potentiates BMP9-Induced Osteogenic Differentiation in Mesenchymal Stem Cells through the Enhancement of FAK/PI3K/AKT Signaling. 2023 , 2023, 1-21	0
90	Mechano-responsive hydrogel for direct stem cell manufacturing to therapy. 2023 , 24, 387-400	0
89	TNF β Secreted from Macrophages Increases the Expression of Prometastatic Integrin $\alpha 5 \beta 1$ in Gastric Cancer. 2023 , 24, 376	0
88	Advances in Lung Cancer Treatment Using Nanomedicines. 2023 , 8, 10-41	4
87	Dendritic Cell-Triggered Immune Activation Goes along with Provision of (Leukemia-Specific) Integrin Beta 7-Expressing Immune Cells and Improved Antileukemic Processes. 2023 , 24, 463	1
86	The role of glycans in the mechanobiology of cancer. 2023 , 102935	0
85	Cell-binding peptides on the material surface guide stem cell fate of adhesion, proliferation and differentiation.	0
84	Rho GTPase Signaling in Platelet Regulation and Implication for Antiplatelet Therapies. 2023 , 24, 2519	0
83	Structure-Activity Relationships of RGD-Containing Peptides in Integrin $\alpha 5 \beta 1$ -Mediated Cell Adhesion. 2023 , 8, 4687-4693	0
82	Calcitriol Suppressed Isoproterenol-induced Proliferation of Cardiac Fibroblasts via Integrin β /FAK/Akt Pathway.	1
81	Effects of phytoestrogens combined with cold stress on sperm parameters and testicular proteomics in rats. 2023 , 18,	0

- 80 Single-cell RNA sequencing reveals aortic cellular heterogeneity in MSC_ITGB3-treated ApoE^{-/-} mice on a high-fat diet.
- 79 Static and Dynamic: Evolving Biomaterial Mechanical Properties to Control Cellular Mechanotransduction. 2204594
- 78 Propofol-mediated circ_0000735 downregulation restrains tumor growth by decreasing integrin- β expression in non-small cell lung cancer. **2023**, 18,
- 77 A flexible loop in the paxillin LIM3 domain mediates direct binding to integrin β .
- 76 The fate of stem cells within smart biomaterials and constructs. **2023**, 277-324
- 75 Platelet Integrins: Critical Mediators of Haemostasis and Pathological Thrombus Formation. **2023**, 381-425
- 74 Integrin β and Its Ligand Nephronectin in Health and Disease. **2023**, 185-216
- 73 Nanoscale imaging of CD47 informs how plasma membrane modifications shape apoptotic cell recognition. **2023**, 6,
- 72 TGF β -mediated MMP13 secretion drives myoepithelial cell dependent breast cancer progression. **2023**, 9,
- 71 Systematic Analysis of the Prognostic Significance and Roles of the Integrin Alpha Family in Non-Small Cell Lung Cancers.
- 70 Can a bulky glycocalyx promote catch bonding in early integrin adhesion? Perhaps a bit.
- 69 Membrane-induced 2D phase separation of focal adhesion proteins.
- 68 Talin2 and KANK2 functionally interact to regulate microtubule dynamics, paclitaxel sensitivity and cell migration in the MDA-MB-435S melanoma cell line.
- 67 Activated fibroblasts in cardiac and cancer fibrosis: An overview of analogies and new potential therapeutic options. **2023**, 321, 121575
- 66 Allosteric targeting resolves limitations of earlier LFA-1 directed modalities. **2023**, 211, 115504
- 65 Highlights on two decades with microbiota and inflammatory bowel disease from etiology to therapy. **2023**, 78, 101835
- 64 The extracellular matrix protein pattern in the canine neoplastic mammary gland. **2023**, 82, 102050
- 63 Understanding the interplay between cell force and cell adhesion processes. **2023**, 4, 277-288

- 62 A molecular arm: the molecular bending-unbending mechanism of integrin. ○
- 61 Platelet $\alpha\text{IIb}\beta\text{3}$ integrin binds to SARS-CoV-2 spike protein of alpha strain but not wild type and omicron strains. **2023**, 657, 80-85 ○
- 60 Neutrophil heterogeneity and emergence of a distinct population of CD11b/CD18-activated low-density neutrophils after trauma. **2023**, 94, 187-196 ○
- 59 A review on regulation of cell cycle by extracellular matrix. **2023**, 232, 123426 ○
- 58 Where are all the egg genes?. 11, ○
- 57 The Actin Network Interfacing Diverse Integrin-Mediated Adhesions. **2023**, 13, 294 ○
- 56 Biomécanique de l'épithélium cornéen : résistance au stress et implications dans la cicatrisation et le remodelage. **2023**, 46, 287-299 ○
- 55 Contact guidance of mesenchymal stem cells by flagellin-modified substrates: Aspects of cell-surface interaction from the point of view of liquid crystal theory. **2023**, 663, 131113 ○
- 54 Ion-Pair-Enhanced Double-Click Driven Cell Adhesion and Altered Expression of Related Genes. ○
- 53 The Raf-like MAPKKK INTEGRIN-LINKED KINASE 5 regulates purinergic receptor-mediated innate immunity in Arabidopsis. **2023**, 35, 1572-1592 ○
- 52 Structure, signal transduction, activation, and inhibition of integrin $\alpha\text{IIb}\beta\text{3}$. **2023**, 21, ○
- 51 Assessing a computational pipeline to identify binding motifs to the $\alpha\text{IIb}\beta\text{3}$ integrin. 11, ○
- 50 How cells sense and integrate information from different sources. ○
- 49 The burden of diabetes on the soft tissue seal surrounding the dental implants. 14, ○
- 48 Transcriptional Profiling Supports the Notochordal Origin of Chordoma and Its Dependence on a TGFB1-TBXT Network. **2023**, 193, 532-547 ○
- 47 Metabolic reprogramming in response to cell mechanics. ○
- 46 Targeted therapy for pancreatic ductal adenocarcinoma: Mechanisms and clinical study. **2023**, 4, ○
- 45 From lymphatic endothelial cell migration to formation of tubular lymphatic vascular network. 14, ○

- 44 Participation of adhesion molecules in changing cell interactions during metastasis development. **2020**, 15, 27-32 ○
- 43 Full-length $\beta 3$ CryoEM structure reveals intact integrin initiate-activation intrinsic architecture. ○
- 42 Tenascin-C activation of lung fibroblasts in a 3D synthetic lung extracellular matrix mimic. ○
- 41 Integrins in human hepatocellular carcinoma tumorigenesis and therapy. **2023**, 136, 253-268 ○
- 40 Nectins and Nectin-like molecules drive vascular development and barrier function. ○
- 39 rJararacin, a recombinant disintegrin from Bothrops jararaca venom: Exploring its effects on hemostasis and thrombosis. **2023**, 738, 109557 ○
- 38 Proteins and transcriptional dysregulation of the brain extracellular matrix in Parkinson's disease: A systematic review. ○
- 37 Sexual dimorphism in reactive oxygen species production and a role for integrin $\beta 1$ in estrogen receptor α expression in articular cartilage. **2023**, 18, ○
- 36 Mechanisms of Foreign Body Giant Cell Formation in Response to Implantable Biomaterials. **2023**, 15, 1313 ○
- 35 Physicochemical Principles of Adhesion Mechanisms in the Brain. **2023**, 24, 5070 ○
- 34 Extracellular matrix stiffness—the central cue for skin fibrosis. 10, ○
- 33 Traction Force and Mechanosensing can be Functionally Distinguished Through the Use of Specific Domains of the Calpain Small Subunit. ○
- 32 Roles for Integrin $\beta 1$ in Development and Disease. **2023**, 27-95 ○
- 31 Galectin-1 mediates interactions between polymorphonuclear leukocytes and vascular endothelial cells, and promotes their extravasation during lipopolysaccharide-induced acute lung injury. **2023**, 156, 127-135 ○
- 30 Eptifibatide, an Older Therapeutic Peptide with New Indications: From Clinical Pharmacology to Everyday Clinical Practice. **2023**, 24, 5446 ○
- 29 Development of substrates for the culture of human pluripotent stem cells. ○
- 28 Revisiting the Syndecans: Master Signaling Regulators with Prognostic and Targetable Therapeutic Values in Breast Carcinoma. **2023**, 15, 1794 ○
- 27 Integrin β -Mediated Cell Senescence Associates with Gut Inflammation and Intestinal Degeneration in Models of Alzheimer's Disease. **2023**, 24, 5697 ○

- 26 Can a bulky glycocalyx promote catch bonding in early integrin adhesion? Perhaps a bit. ○
- 25 Mimic Spaceflight: Microgravity Induces Bone Injury. 36, 1230-1237 ○
- 24 Bioactive Spinal Cord Scaffold Releasing Neurotrophic Exosomes to Promote In Situ Centralis Neuroplasticity. **2023**, 15, 16355-16368 ○
- 23 Rotating Magnetic Field Mitigates Ankylosing Spondylitis Targeting Osteocytes and Chondrocytes via Ameliorating Immune Dysfunctions. **2023**, 12, 972 ○
- 22 Advances in the Theranostics of Oesophageal Squamous Carcinoma. ○
- 21 Integrins as Receptors for Bacterial and Viral Pathogens. **2023**, 427-472 ○
- 20 α -integrins in Immunity: New Roles for Old Players. **2023**, 309-356 ○
- 19 β Integrins in Immune Homeostasis and Disease. **2023**, 273-307 ○
- 18 Effects of SPARC and Possible Receptors on Colon Cancer Cell Line. ○
- 17 FN (Fibronectin)-Integrin β Signaling Promotes Thoracic Aortic Aneurysm in a Mouse Model of Marfan Syndrome. ○
- 16 Integrated gene network analysis sheds light on understanding the progression of Osteosarcoma. 10, ○
- 15 Clay microparticles for the enhancement of bone regeneration: in vitro studies. ○
- 14 Inhibition of Cell Motility by Cell-Penetrating Dynamic Covalent Cascade Exchangers: Integrins Participate in Thiol-Mediated Uptake. ○
- 13 The Effect of Titanium Surface Topography on Adherent Macrophage Integrin and Cytokine Expression. **2023**, 14, 211 ○
- 12 Molecules involved in the sperm interaction in the human uterine tube: a histochemical and immunohistochemical approach. **2023**, 67, ○
- 11 Comprehensive Characterization of Protein Turnover by Comparative SILAC Labeling Analysis in 3T3-L1. ○
- 10 Expression and function of CD51 on CD8 T cells as an immunomodulatory target. **2023**, 661, 56-63 ○
- 9 Heterogeneity and versatility of the extracellular matrix during the transition from pleomorphic adenoma to carcinoma ex pleomorphic adenoma: cumulative findings from basic research and new insights. 4, ○

- 8 Proteins and Transcriptional Dysregulation of the Brain Extracellular Matrix in Parkinson's Disease: A Systematic Review. **2023**, 24, 7435
- 7 Plasmin-Induced Lens Epithelial Cells Detachment for the Reduction of Posterior Capsular Opacification. **2023**, 12, 23
- 6 Talin and kindlin cooperate to control the density of integrin clusters. **2023**, 136,
- 5 E3 ubiquitin ligase on the biological properties of hematopoietic stem cell.
- 4 Differential innate immune response of endometrial cells to porcine reproductive and respiratory syndrome virus type 1 versus type 2. **2023**, 18, e0284658
- 3 Therapeutic targeting of anoikis resistance in cutaneous melanoma metastasis. 11,
- 2 Mechanistic insights into the development of severe fetal growth restriction. **2023**, 137, 679-695
- 1 Astaxanthin inhibits integrin β expression by suppressing activation of JAK1/STAT3 in Helicobacter pylori-stimulated gastric epithelial cells. **2023**, 27,