Yoshimi Takai

List of Publications by Year in Descending Order

198 papers	14,463 citations	64 h-index	115 g-index
267 ext. papers	15,522 ext. citations	5.3 avg, IF	6.16 L-index

#	Paper	IF	Citations
198	Nectin-2 in general and in the brain. *Molecular and Cellular Biochemistry*, **2021**, 477, 167	4.2	
197	Nectin-4 and p95-ErbB2 cooperatively regulate Hippo signaling-dependent SOX2 gene expression, enhancing anchorage-independent T47D cell proliferation. *Scientific Reports*, **2021**, 11, 7344	4.9	1
196	Nectin-2 is localized at cholinergic neuron dendrites and regulates synapse formation in the medial habenula. *Journal of Comparative Neurology*, **2021**, 529, 450-477	3.4	2
195	Changes in brain synapse-related molecules with age **2021**, 185-198		
194	Recent advances in understanding tight junctions. *Faculty Reviews*, **2021**, 10, 18	1.2	1
193	Filopodium-derived vesicles produced by MIM enhance the migration of recipient cells. *Developmental Cell*, **2021**, 56, 842-859.e8	10.2	8
192	Nectins and Nectin-like molecules in synapse formation and involvement in neurological diseases. *Molecular and Cellular Neurosciences*, **2021**, 115, 103653	4.8	2
191	CD112 Regulates Angiogenesis and T Cell Entry into the Spleen. *Cells*, **2021**, 10,	7.9	1
190	Afadin regulates actomyosin organization through E-catenin at adherens junctions. *Journal of Cell Biology*, **2020**, 219,	7.3	9
189	Interaction of nectin-2 with the auxiliary protein of the voltage-gated A-type K channel Kv4.2 dipeptidyl aminopeptidase-like protein at the boundary between the adjacent somata of clustered cholinergic neurons in the medial habenula. *Molecular and Cellular Neurosciences*, **2019**, 94, 32-40	4.8	4
188	Nectin-4 cis-interacts with ErbB2 and its trastuzumab-resistant splice variants, enhancing their activation and DNA synthesis. *Scientific Reports*, **2019**, 9, 18997	4.9	9
187	Roles of the third Ig-like domain of Necl-5/PVR and the fifth Ig-like domain of the PDGF receptor in its signaling. *Genes To Cells*, **2018**, 23, 214-224	2.3	2
186	Requirement of the F-actin-binding activity of l-afadin for enhancing the formation of adherens and tight junctions. *Genes To Cells*, **2018**, 23, 185-199	2.3	14
185	Localization of nectin-2 at the boundary between the adjacent somata of the clustered cholinergic neurons and its regulatory role in the subcellular localization of the voltage-gated A-type K channel Kv4.2 in the medial habenula. *Journal of Comparative Neurology*, **2018**, 526, 1527-1549	3.4	4
184	Involvement of l-afadin, but not s-afadin, in the formation of puncta adherentia junctions of hippocampal synapses. *Molecular and Cellular Neurosciences*, **2018**, 92, 40-49	4.8	8
183	Prolactin **2018**,		
182	Nectin-4 co-stimulates the prolactin receptor by interacting with SOCS1 and inhibiting its activity on the JAK2-STAT5a signaling pathway. *Journal of Biological Chemistry*, **2017**, 292, 6895-6909	5.4	12

181	Aging-dependent expression of synapse-related proteins in the mouse brain. *Genes To Cells*, **2017**, 22, 472-484	2.3	9
180	Multiple roles of afadin in the ultrastructural morphogenesis of mouse hippocampal mossy fiber synapses. *Journal of Comparative Neurology*, **2017**, 525, 2719-2734	3.4	9
179	Roles of afadin in functional differentiations of hippocampal mossy fiber synapse. *Genes To Cells*, **2017**, 22, 715-722	2.3	4
178	Roles of afadin in the formation of the cellular architecture of the mouse hippocampus and dentate gyrus. *Molecular and Cellular Neurosciences*, **2017**, 79, 34-44	4.8	8
177	Nectin-like molecule-4/cell adhesion molecule 4 inhibits the ligand-induced dimerization of ErbB3 with ErbB2. *Scientific Reports*, **2017**, 7, 11375	4.9	4
176	NGL-3-induced presynaptic differentiation of hippocampal neurons in an afadin-dependent, nectin-1-independent manner. *Genes To Cells*, **2017**, 22, 742-755	2.3	5
175	Dynamic expression of nectins in enamel organs of mouse incisors. *Journal of Oral Biosciences*, **2017** , 59, 172-178	2.5	0
174	Cooperative Roles of Nectins with Cadherins in Physiological and Pathological Processes **2016**, 115-156		
173	Activity-dependent alteration of the morphology of a hippocampal giant synapse. *Molecular and Cellular Neurosciences*, **2016**, 71, 25-33	4.8	8
172	A Novel Nectin-mediated Cell Adhesion Apparatus That Is Implicated in Prolactin Receptor Signaling for Mammary Gland Development. *Journal of Biological Chemistry*, **2016**, 291, 5817-5831	5.4	13
171	Synergistic action of nectins and cadherins generates the mosaic cellular pattern of the olfactory epithelium. *Journal of Cell Biology*, **2016**, 212, 561-75	7.3	31
170	Nectin spot: a novel type of nectin-mediated cell adhesion apparatus. *Biochemical Journal*, **2016**, 473, 2691-715	3.8	26
169	Localization of nectin-2 at perivascular astrocytic endfoot processes and degeneration of astrocytes and neurons in nectin-2 knockout mouse brain. *Brain Research*, **2016**, 1649, 90-101	3.7	13
168	Regulatory role of the cell adhesion molecule nectin-1 in GABAergic inhibitory synaptic transmission in the CA3 region of mouse hippocampus. *Genes To Cells*, **2016**, 21, 88-98	2.3	3
167	Nectins and nectin-like molecules in development and disease. *Current Topics in Developmental Biology*, **2015**, 112, 197-231	5.3	71
166	Impairment of radial glial scaffold-dependent neuronal migration and formation of double cortex by genetic ablation of afadin. *Brain Research*, **2015**, 1620, 139-52	3.7	19
165	Human T-cell leukemia virus type 1 (HTLV-1) tax requires CADM1/TSLC1 for inactivation of the NF-B inhibitor A20 and constitutive NF-B signaling. *PLoS Pathogens*, **2015**, 11, e1004721	7.6	33
164	Nectin-1 spots regulate the branching of olfactory mitral cell dendrites. *Molecular and Cellular Neurosciences*, **2015**, 68, 143-50	4.8	8

163	Crystal structure of afadin PDZ domain-nectin-3 complex shows the structural plasticity of the ligand-binding site. *Protein Science*, **2015**, 24, 376-85	6.3	9
162	Nectin-1 spots as a novel adhesion apparatus that tethers mitral cell lateral dendrites in a dendritic meshwork structure of the developing mouse olfactory bulb. *Journal of Comparative Neurology*, **2015**, 523, 1824-39	3.4	9
161	The Cell Adhesion Molecule Necl-4/CADM4 Serves as a Novel Regulator for Contact Inhibition of Cell Movement and Proliferation. *PLoS ONE*, **2015**, 10, e0124259	3.7	19
160	Quantitative analysis of the cellular composition in seminiferous tubules in normal and genetically modified infertile mice. *Journal of Histochemistry and Cytochemistry*, **2015**, 63, 99-113	3.4	38
159	Downregulation of CXCR4 in Metastasized Breast Cancer Cells and Implication in Their Dormancy. *PLoS ONE*, **2015**, 10, e0130032	3.7	29
158	Absence of primary cilia in cell cycle-arrested human breast cancer cells. *Genes To Cells*, **2014**, 19, 141-52	2.3	29
157	Suppression of the TGF-β-induced protein expression of SNAI1 and N-cadherin by miR-199a. *Genes To Cells*, **2014**, 19, 667-75	2.3	14
156	Genetic ablation of afadin causes mislocalization and deformation of Paneth cells in the mouse small intestinal epithelium. *PLoS ONE*, **2014**, 9, e110549	3.7	4
155	Cooperation of Nectin-1 and Nectin-3 Is Required for Maintenance of Epidermal Stratification and Proper Hair Shaft Formation in the Mouse **2014**, 2014, 1-12		1
154	s-Afadin binds more preferentially to the cell adhesion molecules nectins than l-afadin. *Genes To Cells*, **2014**, 19, 853-63	2.3	9
153	Afadin requirement for cytokine expressions in keratinocytes during chemically induced inflammation in mice. *Genes To Cells*, **2014**, 19, 842-52	2.3	6
152	Aberrant cochlear hair cell attachments caused by Nectin-3 deficiency result in hair bundle abnormalities. *Development (Cambridge)*, **2014**, 141, 399-409	6.6	23
151	Afadin regulates puncta adherentia junction formation and presynaptic differentiation in hippocampal neurons. *PLoS ONE*, **2014**, 9, e89763	3.7	24
150	Roles of nectins and nectin-like molecules in the nervous system. *Advances in Neurobiology*, **2014**, 8, 91-116	2.2	20
149	Nectin and junctional adhesion molecule are critical cell adhesion molecules for the apico-basal alignment of adherens and tight junctions in epithelial cells. *Genes To Cells*, **2013**, 18, 985-98	2.3	9
148	Binding between the junctional proteins afadin and PLEKHA7 and implication in the formation of adherens junction in epithelial cells. *Journal of Biological Chemistry*, **2013**, 288, 29356-68	5.4	40
147	Interaction of Necl-4/CADM4 with ErbB3 and integrin β4 and inhibition of ErbB2/ErbB3 signaling and hemidesmosome disassembly. *Genes To Cells*, **2013**, 18, 519-28	2.3	23
146	Necl-2/CADM1 interacts with ErbB4 and regulates its activity in GABAergic neurons. *Molecular and Cellular Neurosciences*, **2013**, 56, 234-43	4.8	16

145	Afadin/AF-6 and canoe: roles in cell adhesion and beyond. *Progress in Molecular Biology and Translational Science*, **2013**, 116, 433-54	4	55
144	Nectin-like molecule-5 regulates intimal thickening after carotid artery ligation in mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 1206-11	9.4	4
143	Reduction of the ST6 β-galactosamide α-2,6-sialyltransferase 1 (ST6GAL1)-catalyzed sialylation of nectin-like molecule 2/cell adhesion molecule 1 and enhancement of ErbB2/ErbB3 signaling by microRNA-199a. *Journal of Biological Chemistry*, **2013**, 288, 11845-53	5.4	28
142	miR-214 and hypoxia down-regulate Necl-2/CADM1 and enhance ErbB2/ErbB3 signaling. *Genes To Cells*, **2013**, 18, 195-202	2.3	17
141	Genetic deletion of afadin causes hydrocephalus by destruction of adherens junctions in radial glial and ependymal cells in the midbrain. *PLoS ONE*, **2013**, 8, e80356	3.7	41
140	Regulation of dendritic filopodial interactions by ZO-1 and implications for dendrite morphogenesis. *PLoS ONE*, **2013**, 8, e76201	3.7	6
139	Periderm cells covering palatal shelves have tight junctions and their desquamation reduces the polarity of palatal shelf epithelial cells in palatogenesis. *Genes To Cells*, **2012**, 17, 455-72	2.3	20
138	The cell adhesion gene PVRL3 is associated with congenital ocular defects. *Human Genetics*, **2012**, 131, 235-50	6.3	41
137	The role of nectins in different types of cell-cell adhesion. *Journal of Cell Science*, **2012**, 125, 3713-22	5.3	95
136	Necl-5/poliovirus receptor interacts with VEGFR2 and regulates VEGF-induced angiogenesis. *Circulation Research*, **2012**, 110, 716-26	15.7	29
135	Epidermal Cadm1 expression promotes autoimmune alopecia via enhanced T cell adhesion and cytotoxicity. *Journal of Immunology*, **2012**, 188, 1514-22	5.3	13
134	Immunoglobulin superfamily receptors and adherens junctions. *Sub-Cellular Biochemistry*, **2012**, 60, 137-70	5.3	19
133	Nectins establish a checkerboard-like cellular pattern in the auditory epithelium. *Science*, **2011**, 333, 1144-7	33.3	89
132	Refolding, crystallization and preliminary X-ray crystallographic study of the whole extracellular regions of nectins. *Acta Crystallographica Section F: Structural Biology Communications*, **2011**, 67, 344-8		2
131	Directional cell migration regulation by small G proteins, nectin-like molecule-5, and afadin. *International Review of Cell and Molecular Biology*, **2011**, 287, 97-143	6	20
130	Involvement of afadin in barrier function and homeostasis of mouse intestinal epithelia. *Journal of Cell Science*, **2011**, 124, 2231-40	5.3	46
129	Interaction of nectin-like molecule 2 with integrin alpha6beta4 and inhibition of disassembly of integrin alpha6beta4 from hemidesmosomes. *Journal of Biological Chemistry*, **2011**, 286, 36667-76	5.4	31
128	Crystal Structure of the cis-Dimer of Nectin-1: implications for the architecture of cell-cell junctions. *Journal of Biological Chemistry*, **2011**, 286, 12659-69	5.4	41

127	Role of scaffold protein afadin dilute domain-interacting protein (ADIP) in platelet-derived growth factor-induced cell movement by activating Rac protein through Vav2 protein. *Journal of Biological Chemistry*, **2011**, 286, 43537-48	5.4	17
126	Cooperative role of nectin-nectin and nectin-afadin interactions in formation of nectin-based cell-cell adhesion. *Journal of Biological Chemistry*, **2011**, 286, 36297-303	5.4	31
125	Interaction of integrin alpha(6)beta(4) with ErbB3 and implication in heregulin-induced ErbB3/ErbB2-mediated DNA synthesis. *Genes To Cells*, **2010**, 15, 995-1001	2.3	11
124	Necl-5/PVR enhances PDGF-induced attraction of growing microtubules to the plasma membrane of the leading edge of moving NIH3T3 cells. *Genes To Cells*, **2010**, 15, 1123-35	2.3	15
123	Involvement of the interaction of afadin with ZO-1 in the formation of tight junctions in Madin-Darby canine kidney cells. *Journal of Biological Chemistry*, **2010**, 285, 5003-12	5.4	88
122	Role of afadin in vascular endothelial growth factor- and sphingosine 1-phosphate-induced angiogenesis. *Circulation Research*, **2010**, 106, 1731-42	15.7	67
121	Cell adhesion molecules nectins and associating proteins: Implications for physiology and pathology. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2010**, 86, 621-9	4	41
120	Cooperation of nectin-1 and nectin-3 is required for normal ameloblast function and crown shape development in mouse teeth. *Developmental Dynamics*, **2010**, 239, 2558-69	2.9	35
119	Deficiency of nectin-2 leads to cardiac fibrosis and dysfunction under chronic pressure overload. *Hypertension*, **2009**, 54, 825-31	8.5	31
118	Silencing of ErbB3/ErbB2 signaling by immunoglobulin-like Necl-2. *Journal of Biological Chemistry*, **2009**, 284, 23793-805	5.4	47
117	Regulation by afadin of cyclical activation and inactivation of Rap1, Rac1, and RhoA small G proteins at leading edges of moving NIH3T3 cells. *Journal of Biological Chemistry*, **2009**, 284, 24595-609	5.4	38
116	Necl2 regulates epidermal adhesion and wound repair. *Development (Cambridge)*, **2009**, 136, 3505-14	6.6	29
115	Cell adhesion molecules in the central nervous system. *Cell Adhesion and Migration*, **2009**, 3, 29-35	3.2	64
114	Localization of nectin-free afadin at the leading edge and its involvement in directional cell movement induced by platelet-derived growth factor. *Journal of Cell Science*, **2009**, 122, 4319-29	5.3	37
113	Involvement of afadin in the formation and remodeling of synapses in the hippocampus. *Biochemical and Biophysical Research Communications*, **2009**, 385, 539-44	3.4	35
112	Nectins and Nectin-Like Molecules in the Nervous System **2009**, 185-206		1
111	Nectins and nectin-like molecules: roles in contact inhibition of cell movement and proliferation. *Nature Reviews Molecular Cell Biology*, **2008**, 9, 603-15	48.7	404
110	Interaction and localization of Necl-5 and PDGF receptor beta at the leading edges of moving NIH3T3 cells: Implications for directional cell movement. *Genes To Cells*, **2008**, 13, 269-84	2.3	36

109	Sequential activation of Rap1 and Rac1 small G proteins by PDGF locally at leading edges of NIH3T3 cells. *Genes To Cells*, **2008**, 13, 549-69	2.3	43
108	Frabin and other related Cdc42-specific guanine nucleotide exchange factors couple the actin cytoskeleton with the plasma membrane. *Journal of Cellular and Molecular Medicine*, **2008**, 12, 1169-76	5.6	33
107	Structural and functional associations of apical junctions with cytoskeleton. *Biochimica Et Biophysica Acta - Biomembranes*, **2008**, 1778, 670-91	3.8	118
106	Novel role of nectin: implication in the co-localization of JAM-A and claudin-1 at the same cell-cell adhesion membrane domain. *Genes To Cells*, **2008**, 13, 797-805	2.3	12
105	The immunoglobulin-like cell adhesion molecule nectin and its associated protein afadin. *Annual Review of Cell and Developmental Biology*, **2008**, 24, 309-42	12.6	274
104	Involvement of nectin in inactivation of integrin alpha(v)beta(3) after the establishment of cell-cell adhesion. *Journal of Biological Chemistry*, **2008**, 283, 496-505	5.4	31
103	Roles of Necl-5/poliovirus receptor and Rho-associated kinase (ROCK) in the regulation of transformation of integrin alpha(V)beta(3)-based focal complexes into focal adhesions. *Journal of Biological Chemistry*, **2008**, 283, 14532-41	5.4	12
102	Involvement of the nectin-afadin complex in PDGF-induced cell survival. *Journal of Cell Science*, **2008**, 121, 2008-17	5.3	49
101	Establishment of cell polarity by afadin during the formation of embryoid bodies. *Genes To Cells*, **2008**, 13, 79-90	2.3	27
100	Regulation of platelet-derived growth factor-induced Ras signaling by poliovirus receptor Necl-5 and negative growth regulator Sprouty2. *Genes To Cells*, **2007**, 12, 345-57	2.3	30
99	Involvement of integrin-induced activation of protein kinase C in the formation of adherens junctions. *Genes To Cells*, **2007**, 12, 651-62	2.3	32
98	The roles of nectins in cell adhesions: cooperation with other cell adhesion molecules and growth factor receptors. *Current Opinion in Cell Biology*, **2007**, 19, 593-602	9	85
97	Necl-5/poliovirus receptor interacts in cis with integrin alphaVbeta3 and regulates its clustering and focal complex formation. *Journal of Biological Chemistry*, **2007**, 282, 18481-18496	5.4	39
96	Regulation of platelet-derived growth factor receptor activation by afadin through SHP-2: implications for cellular morphology. *Journal of Biological Chemistry*, **2007**, 282, 37815-25	5.4	39
95	Up-regulation of loricrin expression by cell adhesion molecule nectin-1 through Rap1-ERK signaling in keratinocytes. *Journal of Biological Chemistry*, **2007**, 282, 18173-18181	5.4	24
94	Cooperative roles of Par-3 and afadin in the formation of adherens and tight junctions. *Journal of Cell Science*, **2007**, 120, 2352-65	5.3	86
93	Involvement of up-regulated Necl-5/Tage4/PVR/CD155 in the loss of contact inhibition in transformed NIH3T3 cells. *Biochemical and Biophysical Research Communications*, **2007**, 352, 856-60	3.4	16
92	Alternative entry receptors for herpes simplex virus and their roles in disease. *Cell Host and Microbe* , **2007**, 2, 19-28	23.4	104

91	Role of multiple bonds between the single cell adhesion molecules, nectin and cadherin, revealed by high sensitive force measurements. *Journal of Molecular Biology*, **2007**, 367, 996-1006	6.5	41
90	Active zone protein CAST is a component of conventional and ribbon synapses in mouse retina. *Journal of Comparative Neurology*, **2006**, 495, 480-96	3.4	41
89	Interaction of integrin alpha(v)beta3 with nectin. Implication in cross-talk between cell-matrix and cell-cell junctions. *Journal of Biological Chemistry*, **2006**, 281, 19631-44	5.4	68
88	Regulation of the assembly and adhesion activity of E-cadherin by nectin and afadin for the formation of adherens junctions in Madin-Darby canine kidney cells. *Journal of Biological Chemistry*, **2006**, 281, 5288-99	5.4	124
87	Interneurite affinity is regulated by heterophilic nectin interactions in concert with the cadherin machinery. *Journal of Cell Biology*, **2006**, 174, 141-51	7.3	88
86	Involvement of nectins in the formation of puncta adherentia junctions and the mossy fiber trajectory in the mouse hippocampus. *Molecular and Cellular Neurosciences*, **2006**, 31, 315-25	4.8	89
85	Role of cell adhesion molecule nectin-3 in spermatid development. *Genes To Cells*, **2006**, 11, 1125-32	2.3	79
84	Nectins and nectin-like molecules: roles in cell adhesion, polarization, movement, and proliferation. *IUBMB Life*, **2006**, 58, 334-43	4.7	75
83	Common signaling pathway is used by the trans-interaction of Necl-5/Tage4/PVR/CD155 and nectin, and of nectin and nectin during the formation of cell-cell adhesion. *Cancer Science*, **2005**, 96, 578-89	6.9	21
82	Transcriptional activation of the mouse Necl-5/Tage4/PVR/CD155 gene by fibroblast growth factor or oncogenic Ras through the Raf-MEK-ERK-AP-1 pathway. *Oncogene*, **2005**, 24, 2229-35	9.2	55
81	Recruitment of E-cadherin associated with alpha- and beta-catenins and p120ctn to the nectin-based cell-cell adhesion sites by the action of 12-O-tetradecanoylphorbol-13-acetate in MDCK cells. *Genes To Cells*, **2005**, 10, 435-45	2.3	28
80	Involvement of the c-Src-Crk-C3G-Rap1 signaling in the nectin-induced activation of Cdc42 and formation of adherens junctions. *Journal of Biological Chemistry*, **2005**, 280, 815-25	5.4	116
79	Nectin-like molecule-1/TSLL1/SynCAM3: a neural tissue-specific immunoglobulin-like cell-cell adhesion molecule localizing at non-junctional contact sites of presynaptic nerve terminals, axons and glia cell processes. *Journal of Cell Science*, **2005**, 118, 1267-77	5.3	103
78	Roles of cell-adhesion molecules nectin 1 and nectin 3 in ciliary body development. *Development (Cambridge)*, **2005**, 132, 1525-37	6.6	92
77	Separation force measurements reveal different types of modulation of E-cadherin-based adhesion by nectin-1 and -3. *Journal of Biological Chemistry*, **2005**, 280, 4753-60	5.4	49
76	Regulation of E-cadherin endocytosis by nectin through afadin, Rap1, and p120ctn. *Journal of Biological Chemistry*, **2005**, 280, 24095-103	5.4	139
75	Involvement of the annexin II-S100A10 complex in the formation of E-cadherin-based adherens junctions in Madin-Darby canine kidney cells. *Journal of Biological Chemistry*, **2005**, 280, 6016-27	5.4	59
74	Vav2 as a Rac-GDP/GTP exchange factor responsible for the nectin-induced, c-Src- and Cdc42-mediated activation of Rac. *Journal of Biological Chemistry*, **2005**, 280, 4940-7	5.4	76

73	RA-RhoGAP, Rap-activated Rho GTPase-activating protein implicated in neurite outgrowth through Rho. *Journal of Biological Chemistry*, **2005**, 280, 33026-34	5.4	56
72	Inhibition of cell movement and proliferation by cell-cell contact-induced interaction of Necl-5 with nectin-3. *Journal of Cell Biology*, **2005**, 171, 165-73	7.3	77
71	Evidence that tubulobulbar complexes in the seminiferous epithelium are involved with internalization of adhesion junctions. *Biology of Reproduction*, **2004**, 71, 548-59	3.9	76
70	Enhancement of serum- and platelet-derived growth factor-induced cell proliferation by Necl-5/Tage4/poliovirus receptor/CD155 through the Ras-Raf-MEK-ERK signaling. *Journal of Biological Chemistry*, **2004**, 279, 36419-25	5.4	72
69	A novel role of nectins in inhibition of the E-cadherin-induced activation of Rac and formation of cell-cell adherens junctions. *Molecular Biology of the Cell*, **2004**, 15, 1077-88	3.5	39
68	Endocytosis of E-cadherin regulated by Rac and Cdc42 small G proteins through IQGAP1 and actin filaments. *Journal of Cell Biology*, **2004**, 166, 237-48	7.3	163
67	Roles of nectins in cell adhesion, migration and polarization. *Biological Chemistry*, **2004**, 385, 885-92	4.5	51
66	Involvement of LMO7 in the association of two cell-cell adhesion molecules, nectin and E-cadherin, through afadin and alpha-actinin in epithelial cells. *Journal of Biological Chemistry*, **2004**, 279, 31365-73	5.4	107
65	Activation of Cdc42 by trans interactions of the cell adhesion molecules nectins through c-Src and Cdc42-GEF FRG. *Journal of Cell Biology*, **2004**, 166, 393-405	7.3	92
64	Nectin-like molecule-5/Tage4 enhances cell migration in an integrin-dependent, Nectin-3-independent manner. *Journal of Biological Chemistry*, **2004**, 279, 18015-25	5.4	84
63	Requirement of the actin cytoskeleton for the association of nectins with other cell adhesion molecules at adherens and tight junctions in MDCK cells. *Genes To Cells*, **2004**, 9, 843-55	2.3	50
62	Expression patterns of nectins and afadin during epithelial remodeling in the mouse embryo. *Developmental Dynamics*, **2004**, 230, 174-86	2.9	29
61	Contacts between the commissural axons and the floor plate cells are mediated by nectins. *Developmental Biology*, **2004**, 273, 244-56	3.1	52
60	Involvement of nectin-activated Cdc42 small G protein in organization of adherens and tight junctions in Madin-Darby canine kidney cells. *Journal of Biological Chemistry*, **2003**, 278, 51885-93	5.4	66
59	Tage4/Nectin-like molecule-5 heterophilically trans-interacts with cell adhesion molecule Nectin-3 and enhances cell migration. *Journal of Biological Chemistry*, **2003**, 278, 28167-72	5.4	105
58	Nectin-dependent localization of ZO-1 at puncta adhaerentia junctions between the mossy fiber terminals and the dendrites of the pyramidal cells in the CA3 area of adult mouse hippocampus. *Journal of Comparative Neurology*, **2003**, 460, 514-24	3.4	41
57	Antagonistic and agonistic effects of an extracellular fragment of nectin on formation of E-cadherin-based cell-cell adhesion. *Genes To Cells*, **2003**, 8, 51-63	2.3	78
56	Cdc42 and Rac small G proteins activated by trans-interactions of nectins are involved in activation of c-Jun N-terminal kinase, but not in association of nectins and cadherin to form adherens junctions, in fibroblasts. *Genes To Cells*, **2003**, 8, 481-91	2.3	43

55	Nectin-dependent localization of synaptic scaffolding molecule (S-SCAM) at the puncta adherentia junctions formed between the mossy fibre terminals and the dendrites of pyramidal cells in the CA3 area of the mouse hippocampus. *Genes To Cells*, **2003**, 8, 985-94	2.3	28
54	Nectins and nectin-like molecules: roles in cell adhesion, migration, and polarization. *Cancer Science* , **2003**, 94, 655-67	6.9	276
53	Involvement of nectin in the localization of IQGAP1 at the cell-cell adhesion sites through the actin cytoskeleton in Madin-Darby canine kidney cells. *Oncogene*, **2003**, 22, 2097-109	9.2	34
52	Nectin and afadin: novel organizers of intercellular junctions. *Journal of Cell Science*, **2003**, 116, 17-27	5.3	682
51	Role of each immunoglobulin-like loop of nectin for its cell-cell adhesion activity. *Biochemical and Biophysical Research Communications*, **2003**, 302, 61-6	3.4	50
50	Regulation by nectin of the velocity of the formation of adherens junctions and tight junctions. *Biochemical and Biophysical Research Communications*, **2003**, 306, 104-9	3.4	41
49	ADIP, a novel Afadin- and alpha-actinin-binding protein localized at cell-cell adherens junctions. *Journal of Biological Chemistry*, **2003**, 278, 4103-11	5.4	76
48	Loss of nectin-2 at Sertoli-spermatid junctions leads to male infertility and correlates with severe spermatozoan head and midpiece malformation, impaired binding to the zona pellucida, and oocyte penetration. *Biology of Reproduction*, **2003**, 69, 1330-40	3.9	116
47	Direct binding of cell polarity protein PAR-3 to cell-cell adhesion molecule nectin at neuroepithelial cells of developing mouse. *Journal of Biological Chemistry*, **2003**, 278, 5497-500	5.4	143
46	Implications of nectin-like molecule-2/IGSF4/RA175/SgIGSF/TSLC1/SynCAM1 in cell-cell adhesion and transmembrane protein localization in epithelial cells. *Journal of Biological Chemistry*, **2003**, 278, 35421-7	5.4	180
45	Nectin couples cell-cell adhesion and the actin scaffold at heterotypic testicular junctions. *Current Biology*, **2002**, 12, 1145-50	6.3	223
44	Association of frabin with specific actin and membrane structures. *Genes To Cells*, **2002**, 7, 413-20	2.3	15
43	Role of nectin in organization of tight junctions in epithelial cells. *Genes To Cells*, **2002**, 7, 1059-72	2.3	73
42	Localization of mLin-7 at nectin-based cell-cell junctions. *Oncogene*, **2002**, 21, 2545-54	9.2	15
41	Involvement of nectin in the localization of junctional adhesion molecule at tight junctions. *Oncogene*, **2002**, 21, 7642-55	9.2	109
40	Nectin: an adhesion molecule involved in formation of synapses. *Journal of Cell Biology*, **2002**, 156, 555-565	7.3	241
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