

Yoshimi Takai

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

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	Small GTP-binding proteins. <i>Physiological Reviews</i> , 2001 , 81, 153-208	47.9	2013
197	Nectin and afadin: novel organizers of intercellular junctions. <i>Journal of Cell Science</i> , 2003 , 116, 17-27	5.3	682
196	Nectin/PRR: an immunoglobulin-like cell adhesion molecule recruited to cadherin-based adherens junctions through interaction with Afadin, a PDZ domain-containing protein. <i>Journal of Cell Biology</i> , 1999 , 145, 539-49	7.3	443
195	Nectins and nectin-like molecules: roles in contact inhibition of cell movement and proliferation. <i>Nature Reviews Molecular Cell Biology</i> , 2008 , 9, 603-15	48.7	404
194	Afadin: A novel actin filament-binding protein with one PDZ domain localized at cadherin-based cell-to-cell adherens junction. <i>Journal of Cell Biology</i> , 1997 , 139, 517-28	7.3	397
193	SAPAPs. A family of PSD-95/SAP90-associated proteins localized at postsynaptic density. <i>Journal of Biological Chemistry</i> , 1997 , 272, 11943-51	5.4	309
192	Nectins and nectin-like molecules: roles in cell adhesion, migration, and polarization. <i>Cancer Science</i> , 2003 , 94, 655-67	6.9	276
191	The immunoglobulin-like cell adhesion molecule nectin and its associated protein afadin. <i>Annual Review of Cell and Developmental Biology</i> , 2008 , 24, 309-42	12.6	274
190	Afadin: A key molecule essential for structural organization of cell-cell junctions of polarized epithelia during embryogenesis. <i>Journal of Cell Biology</i> , 1999 , 146, 1117-32	7.3	242
189	Nectin: an adhesion molecule involved in formation of synapses. <i>Journal of Cell Biology</i> , 2002 , 156, 555-65	7.3	241
188	Cast: a novel protein of the cytomatrix at the active zone of synapses that forms a ternary complex with RIM1 and munc13-1. <i>Journal of Cell Biology</i> , 2002 , 158, 577-90	7.3	240
187	Nectin-3, a new member of immunoglobulin-like cell adhesion molecules that shows homophilic and heterophilic cell-cell adhesion activities. <i>Journal of Biological Chemistry</i> , 2000 , 275, 10291-9	5.4	226
186	Two cell adhesion molecules, nectin and cadherin, interact through their cytoplasmic domain-associated proteins. <i>Journal of Cell Biology</i> , 2000 , 150, 1161-76	7.3	225
185	Nectin couples cell-cell adhesion and the actin scaffold at heterotypic testicular junctions. <i>Current Biology</i> , 2002 , 12, 1145-50	6.3	223
184	Ponsin/SH3P12: an l-afadin- and vinculin-binding protein localized at cell-cell and cell-matrix adherens junctions. <i>Journal of Cell Biology</i> , 1999 , 144, 1001-17	7.3	212
183	Biochemical and structural definition of the l-afadin- and actin-binding sites of alpha-catenin. <i>Journal of Biological Chemistry</i> , 2002 , 277, 18868-74	5.4	185
182	Implications of nectin-like molecule-2/IGSF4/RA175/SgIGSF/TSLC1/SynCAM1 in cell-cell adhesion and transmembrane protein localization in epithelial cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 35421-7	5.4	180

181	The Rho small G protein family-Rho GDI system as a temporal and spatial determinant for cytoskeletal control. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 245, 641-5	3.4	168
180	Endocytosis of E-cadherin regulated by Rac and Cdc42 small G proteins through IQGAP1 and actin filaments. <i>Journal of Cell Biology</i> , 2004 , 166, 237-48	7.3	163
179	Direct binding of cell polarity protein PAR-3 to cell-cell adhesion molecule nectin at neuroepithelial cells of developing mouse. <i>Journal of Biological Chemistry</i> , 2003 , 278, 5497-500	5.4	143
178	Regulation of E-cadherin endocytosis by nectin through afadin, Rap1, and p120ctn. <i>Journal of Biological Chemistry</i> , 2005 , 280, 24095-103	5.4	139
177	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. <i>Journal of Biological Chemistry</i> , 2006 , 281, 5288-99	5.4	124
176	Interaction of nectin with afadin is necessary for its clustering at cell-cell contact sites but not for its cis dimerization or trans interaction. <i>Journal of Biological Chemistry</i> , 2000 , 275, 613-8	5.4	122
175	Structural and functional associations of apical junctions with cytoskeleton. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 670-91	3.8	118
174	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. <i>Biology of Reproduction</i> , 2003 , 69, 1330-40	3.9	116
173	Involvement of the c-Src-Crk-C3G-Rap1 signaling in the nectin-induced activation of Cdc42 and formation of adherens junctions. <i>Journal of Biological Chemistry</i> , 2005 , 280, 815-25	5.4	116
172	Involvement of an SHP-2-Rho small G protein pathway in hepatocyte growth factor/scatter factor-induced cell scattering. <i>Molecular Biology of the Cell</i> , 2000 , 11, 2565-75	3.5	111
171	Involvement of nectin in the localization of junctional adhesion molecule at tight junctions. <i>Oncogene</i> , 2002 , 21, 7642-55	9.2	109
170	Involvement of LMO7 in the association of two cell-cell adhesion molecules, nectin and E-cadherin, through afadin and alpha-actinin in epithelial cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 31365-73	5.4	107
169	Tage4/Nectin-like molecule-5 heterophilically trans-interacts with cell adhesion molecule Nectin-3 and enhances cell migration. <i>Journal of Biological Chemistry</i> , 2003 , 278, 28167-72	5.4	105
168	Alternative entry receptors for herpes simplex virus and their roles in disease. <i>Cell Host and Microbe</i> , 2007 , 2, 19-28	23.4	104
167	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. <i>Journal of Cell Science</i> , 2005 , 118, 1267-77	5.3	103
166	The role of nectins in different types of cell-cell adhesion. <i>Journal of Cell Science</i> , 2012 , 125, 3713-22	5.3	95
165	Involvement of Cdc42 small G protein in cell-cell adhesion, migration and morphology of MDCK cells. <i>Oncogene</i> , 1999 , 18, 3996-4006	9.2	94
164	Activation of Cdc42 by trans interactions of the cell adhesion molecules nectins through c-Src and Cdc42-GEF FRG. <i>Journal of Cell Biology</i> , 2004 , 166, 393-405	7.3	92

163	Roles of cell-adhesion molecules nectin 1 and nectin 3 in ciliary body development. <i>Development (Cambridge)</i> , 2005 , 132, 1525-37	6.6	92
162	nRap GEP: a novel neural GDP/GTP exchange protein for rap1 small G protein that interacts with synaptic scaffolding molecule (S-SCAM). <i>Biochemical and Biophysical Research Communications</i> , 1999 , 265, 38-44	3.4	90
161	Nectins establish a checkerboard-like cellular pattern in the auditory epithelium. <i>Science</i> , 2011 , 333, 1144-47	3.3	89
160	Involvement of nectins in the formation of puncta adherentia junctions and the mossy fiber trajectory in the mouse hippocampus. <i>Molecular and Cellular Neurosciences</i> , 2006 , 31, 315-25	4.8	89
159	Involvement of the interaction of afadin with ZO-1 in the formation of tight junctions in Madin-Darby canine kidney cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5003-12	5.4	88
158	Interneurite affinity is regulated by heterophilic nectin interactions in concert with the cadherin machinery. <i>Journal of Cell Biology</i> , 2006 , 174, 141-51	7.3	88
157	Requirement of interaction of nectin-1alpha/HveC with afadin for efficient cell-cell spread of herpes simplex virus type 1. <i>Journal of Virology</i> , 2001 , 75, 4734-43	6.6	88
156	Cooperative roles of Par-3 and afadin in the formation of adherens and tight junctions. <i>Journal of Cell Science</i> , 2007 , 120, 2352-65	5.3	86
155	The roles of nectins in cell adhesions: cooperation with other cell adhesion molecules and growth factor receptors. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 593-602	9	85
154	Nectin-like molecule-5/Tage4 enhances cell migration in an integrin-dependent, Nectin-3-independent manner. <i>Journal of Biological Chemistry</i> , 2004 , 279, 18015-25	5.4	84
153	alpha-catenin-independent recruitment of ZO-1 to nectin-based cell-cell adhesion sites through afadin. <i>Molecular Biology of the Cell</i> , 2001 , 12, 1595-609	3.5	82
152	Different behavior of I-afadin and neurabin-II during the formation and destruction of cell-cell adherens junction. <i>Oncogene</i> , 1999 , 18, 1609-17	9.2	80
151	Role of cell adhesion molecule nectin-3 in spermatid development. <i>Genes To Cells</i> , 2006 , 11, 1125-32	2.3	79
150	Antagonistic and agonistic effects of an extracellular fragment of nectin on formation of E-cadherin-based cell-cell adhesion. <i>Genes To Cells</i> , 2003 , 8, 51-63	2.3	78
149	Similar and differential behaviour between the nectin-afadin-ponsin and cadherin-catenin systems during the formation and disruption of the polarized junctional alignment in epithelial cells. <i>Genes To Cells</i> , 1999 , 4, 573-81	2.3	78
148	Inhibition of cell movement and proliferation by cell-cell contact-induced interaction of Necl-5 with nectin-3. <i>Journal of Cell Biology</i> , 2005 , 171, 165-73	7.3	77
147	Evidence that tubulobulbar complexes in the seminiferous epithelium are involved with internalization of adhesion junctions. <i>Biology of Reproduction</i> , 2004 , 71, 548-59	3.9	76
146	ADIP, a novel Afadin- and alpha-actinin-binding protein localized at cell-cell adherens junctions. <i>Journal of Biological Chemistry</i> , 2003 , 278, 4103-11	5.4	76

145	Vav2 as a Rac-GDP/GTP exchange factor responsible for the nectin-induced, c-Src- and Cdc42-mediated activation of Rac. <i>Journal of Biological Chemistry</i> , 2005 , 280, 4940-7	5-4	76
144	Regulation of neurabin I interaction with protein phosphatase 1 by phosphorylation. <i>Biochemistry</i> , 1999 , 38, 12943-9	3-2	76
143	Nectins and nectin-like molecules: roles in cell adhesion, polarization, movement, and proliferation. <i>IUBMB Life</i> , 2006 , 58, 334-43	4-7	75
142	Role of nectin in organization of tight junctions in epithelial cells. <i>Genes To Cells</i> , 2002 , 7, 1059-72	2-3	73
141	Enhancement of serum- and platelet-derived growth factor-induced cell proliferation by Nect1-5/Tage4/poliovirus receptor/CD155 through the Ras-Raf-MEK-ERK signaling. <i>Journal of Biological Chemistry</i> , 2004 , 279, 36419-25	5-4	72
140	Nectins and nectin-like molecules in development and disease. <i>Current Topics in Developmental Biology</i> , 2015 , 112, 197-231	5-3	71
139	Interaction of integrin alpha(v)beta3 with nectin. Implication in cross-talk between cell-matrix and cell-cell junctions. <i>Journal of Biological Chemistry</i> , 2006 , 281, 19631-44	5-4	68
138	Role of afadin in vascular endothelial growth factor- and sphingosine 1-phosphate-induced angiogenesis. <i>Circulation Research</i> , 2010 , 106, 1731-42	15-7	67
137	Frabin, a novel FGD1-related actin filament-binding protein capable of changing cell shape and activating c-Jun N-terminal kinase. <i>Journal of Biological Chemistry</i> , 1998 , 273, 18697-700	5-4	67
136	Involvement of nectin-activated Cdc42 small G protein in organization of adherens and tight junctions in Madin-Darby canine kidney cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 51885-93	5-4	66
135	Cell adhesion molecules in the central nervous system. <i>Cell Adhesion and Migration</i> , 2009 , 3, 29-35	3-2	64
134	Isolation and characterization of cortactin isoforms and a novel cortactin-binding protein, CBP90. <i>Genes To Cells</i> , 1998 , 3, 603-12	2-3	61
133	MAGUIN, a novel neuronal membrane-associated guanylate kinase-interacting protein. <i>Journal of Biological Chemistry</i> , 1999 , 274, 11889-96	5-4	61
132	Involvement of the annexin II-S100A10 complex in the formation of E-cadherin-based adherens junctions in Madin-Darby canine kidney cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 6016-27	5-4	59
131	RA-RhoGAP, Rap-activated Rho GTPase-activating protein implicated in neurite outgrowth through Rho. <i>Journal of Biological Chemistry</i> , 2005 , 280, 33026-34	5-4	56
130	Two actions of frabin: direct activation of Cdc42 and indirect activation of Rac. <i>Oncogene</i> , 2000 , 19, 3050-8	5-4	56
129	Interaction of Doc2 with tctex-1, a light chain of cytoplasmic dynein. Implication in dynein-dependent vesicle transport. <i>Journal of Biological Chemistry</i> , 1998 , 273, 30065-8	5-4	56
128	Afadin/AF-6 and canoe: roles in cell adhesion and beyond. <i>Progress in Molecular Biology and Translational Science</i> , 2013 , 116, 433-54	4	55

127	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. <i>Oncogene</i> , 2005 , 24, 2229-35	9.2	55
126	Association of frabin with the actin cytoskeleton is essential for microspike formation through activation of Cdc42 small G protein. <i>Journal of Biological Chemistry</i> , 1999 , 274, 25197-200	5.4	54
125	Contacts between the commissural axons and the floor plate cells are mediated by nectins. <i>Developmental Biology</i> , 2004 , 273, 244-56	3.1	52
124	Doc2alpha is an activity-dependent modulator of excitatory synaptic transmission. <i>European Journal of Neuroscience</i> , 1999 , 11, 4262-8	3.5	52
123	Roles of nectins in cell adhesion, migration and polarization. <i>Biological Chemistry</i> , 2004 , 385, 885-92	4.5	51
122	Requirement of the actin cytoskeleton for the association of nectins with other cell adhesion molecules at adherens and tight junctions in MDCK cells. <i>Genes To Cells</i> , 2004 , 9, 843-55	2.3	50
121	Role of each immunoglobulin-like loop of nectin for its cell-cell adhesion activity. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 302, 61-6	3.4	50
120	Involvement of the nectin-afadin complex in PDGF-induced cell survival. <i>Journal of Cell Science</i> , 2008 , 121, 2008-17	5.3	49
119	Separation force measurements reveal different types of modulation of E-cadherin-based adhesion by nectin-1 and -3. <i>Journal of Biological Chemistry</i> , 2005 , 280, 4753-60	5.4	49
118	Role of the second immunoglobulin-like loop of nectin in cell-cell adhesion. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 293, 45-9	3.4	48
117	Involvement of Rho and Rac small G proteins and Rho GDI in Ca ²⁺ -dependent exocytosis from PC12 cells. <i>Genes To Cells</i> , 1996 , 1, 943-51	2.3	48
116	Silencing of ErbB3/ErbB2 signaling by immunoglobulin-like Necl-2. <i>Journal of Biological Chemistry</i> , 2009 , 284, 23793-805	5.4	47
115	Involvement of afadin in barrier function and homeostasis of mouse intestinal epithelia. <i>Journal of Cell Science</i> , 2011 , 124, 2231-40	5.3	46
114	Localization of I-fafadin at puncta adherentia-like junctions between the mossy fiber terminals and the dendritic trunks of pyramidal cells in the adult mouse hippocampus. <i>Journal of Comparative Neurology</i> , 2000 , 424, 297-306	3.4	45
113	Sequential activation of Rap1 and Rac1 small G proteins by PDGF locally at leading edges of NIH3T3 cells. <i>Genes To Cells</i> , 2008 , 13, 549-69	2.3	43
112	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. <i>Genes To Cells</i> , 2003 , 8, 481-91	2.3	43
111	Decreased expression of a member of the Rho GTPase family, Cdc42Hs, in cells from Tangier disease - the small G protein may play a role in cholesterol efflux. <i>FEBS Letters</i> , 2000 , 484, 275-9	3.8	43
110	The cell adhesion gene PVRL3 is associated with congenital ocular defects. <i>Human Genetics</i> , 2012 , 131, 235-50	6.3	41

109	Genetic deletion of afadin causes hydrocephalus by destruction of adherens junctions in radial glial and ependymal cells in the midbrain. <i>PLoS ONE</i> , 2013 , 8, e80356	3.7	4 ¹
108	Crystal Structure of the cis-Dimer of Nectin-1: implications for the architecture of cell-cell junctions. <i>Journal of Biological Chemistry</i> , 2011 , 286, 12659-69	5.4	4 ¹
107	Cell adhesion molecules nectins and associating proteins: Implications for physiology and pathology. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2010 , 86, 621-9	4	4 ¹
106	Active zone protein CAST is a component of conventional and ribbon synapses in mouse retina. <i>Journal of Comparative Neurology</i> , 2006 , 495, 480-96	3.4	4 ¹
105	Role of multiple bonds between the single cell adhesion molecules, nectin and cadherin, revealed by high sensitive force measurements. <i>Journal of Molecular Biology</i> , 2007 , 367, 996-1006	6.5	4 ¹
104	Nectin-dependent localization of ZO-1 at puncta adherentia junctions between the mossy fiber terminals and the dendrites of the pyramidal cells in the CA3 area of adult mouse hippocampus. <i>Journal of Comparative Neurology</i> , 2003 , 460, 514-24	3.4	4 ¹
103	Regulation by nectin of the velocity of the formation of adherens junctions and tight junctions. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 306, 104-9	3.4	4 ¹
102	Binding between the junctional proteins afadin and PLEKHA7 and implication in the formation of adherens junction in epithelial cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 29356-68	5.4	4 ⁰
101	Necl-5/poliovirus receptor interacts in cis with integrin alphaVbeta3 and regulates its clustering and focal complex formation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 18481-18496	5.4	39
100	Regulation of platelet-derived growth factor receptor activation by afadin through SHP-2: implications for cellular morphology. <i>Journal of Biological Chemistry</i> , 2007 , 282, 37815-25	5.4	39
99	A novel role of nectins in inhibition of the E-cadherin-induced activation of Rac and formation of cell-cell adherens junctions. <i>Molecular Biology of the Cell</i> , 2004 , 15, 1077-88	3.5	39
98	Quantitative analysis of the cellular composition in seminiferous tubules in normal and genetically modified infertile mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2015 , 63, 99-113	3.4	38
97	Regulation by afadin of cyclical activation and inactivation of Rap1, Rac1, and RhoA small G proteins at leading edges of moving NIH3T3 cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 24595-609	5.4	38
96	Localization of nectin-free afadin at the leading edge and its involvement in directional cell movement induced by platelet-derived growth factor. <i>Journal of Cell Science</i> , 2009 , 122, 4319-29	5.3	37
95	Interaction and localization of Necl-5 and PDGF receptor beta at the leading edges of moving NIH3T3 cells: Implications for directional cell movement. <i>Genes To Cells</i> , 2008 , 13, 269-84	2.3	36
94	Involvement of afadin in the formation and remodeling of synapses in the hippocampus. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 385, 539-44	3.4	35
93	Cooperation of nectin-1 and nectin-3 is required for normal ameloblast function and crown shape development in mouse teeth. <i>Developmental Dynamics</i> , 2010 , 239, 2558-69	2.9	35
92	Involvement of nectin in the localization of IQGAP1 at the cell-cell adhesion sites through the actin cytoskeleton in Madin-Darby canine kidney cells. <i>Oncogene</i> , 2003 , 22, 2097-109	9.2	34

91	Human T-cell leukemia virus type 1 (HTLV-1) tax requires CADM1/TSLC1 for inactivation of the NF- κ B inhibitor A20 and constitutive NF- κ B signaling. <i>PLoS Pathogens</i> , 2015 , 11, e1004721	7.6	33
90	Frabin and other related Cdc42-specific guanine nucleotide exchange factors couple the actin cytoskeleton with the plasma membrane. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 1169-76	5.6	33
89	Involvement of integrin-induced activation of protein kinase C in the formation of adherens junctions. <i>Genes To Cells</i> , 2007 , 12, 651-62	2.3	32
88	Synergistic action of nectins and cadherins generates the mosaic cellular pattern of the olfactory epithelium. <i>Journal of Cell Biology</i> , 2016 , 212, 561-75	7.3	31
87	Deficiency of nectin-2 leads to cardiac fibrosis and dysfunction under chronic pressure overload. <i>Hypertension</i> , 2009 , 54, 825-31	8.5	31
86	Interaction of nectin-like molecule 2 with integrin α 6 β 4 and inhibition of disassembly of integrin α 6 β 4 from hemidesmosomes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 36667-76	5.4	31
85	Cooperative role of nectin-nectin and nectin-afadin interactions in formation of nectin-based cell-cell adhesion. <i>Journal of Biological Chemistry</i> , 2011 , 286, 36297-303	5.4	31
84	Involvement of nectin in inactivation of integrin α (v) β (3) after the establishment of cell-cell adhesion. <i>Journal of Biological Chemistry</i> , 2008 , 283, 496-505	5.4	31
83	Regulation of platelet-derived growth factor-induced Ras signaling by poliovirus receptor Nect-5 and negative growth regulator Sprouty2. <i>Genes To Cells</i> , 2007 , 12, 345-57	2.3	30
82	Absence of primary cilia in cell cycle-arrested human breast cancer cells. <i>Genes To Cells</i> , 2014 , 19, 141-52	2.3	29
81	Nect2 regulates epidermal adhesion and wound repair. <i>Development (Cambridge)</i> , 2009 , 136, 3505-14	6.6	29
80	Nect-5/poliovirus receptor interacts with VEGFR2 and regulates VEGF-induced angiogenesis. <i>Circulation Research</i> , 2012 , 110, 716-26	15.7	29
79	Expression patterns of nectins and afadin during epithelial remodeling in the mouse embryo. <i>Developmental Dynamics</i> , 2004 , 230, 174-86	2.9	29
78	Downregulation of CXCR4 in Metastasized Breast Cancer Cells and Implication in Their Dormancy. <i>PLoS ONE</i> , 2015 , 10, e0130032	3.7	29
77	Reduction of the ST6 β -galactosamide 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. <i>Journal of Biological Chemistry</i> , 2013 , 288, 11845-53	5.4	28
76	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. <i>Genes To Cells</i> , 2003 , 8, 985-94	2.3	28
75	Recruitment of E-cadherin associated with α - and β -catenins and p120 ^{ctn} to the nectin-based cell-cell adhesion sites by the action of 12-O-tetradecanoylphorbol-13-acetate in MDCK cells. <i>Genes To Cells</i> , 2005 , 10, 435-45	2.3	28
74	Establishment of cell polarity by afadin during the formation of embryoid bodies. <i>Genes To Cells</i> , 2008 , 13, 79-90	2.3	27

73	Ectodomain shedding of nectin-1alpha by SF/HGF and TPA in MDCK cells. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 299, 472-8	3.4	26
72	Association of synapse-associated protein 90/ postsynaptic density-95-associated protein (SAPAP) with neurofilaments. <i>Genes To Cells</i> , 2000 , 5, 203-10	2.3	26
71	Nectin spot: a novel type of nectin-mediated cell adhesion apparatus. <i>Biochemical Journal</i> , 2016 , 473, 2691-715	3.8	26
70	Up-regulation of loricrin expression by cell adhesion molecule nectin-1 through Rap1-ERK signaling in keratinocytes. <i>Journal of Biological Chemistry</i> , 2007 , 282, 18173-18181	5.4	24
69	Afadin regulates puncta adherentia junction formation and presynaptic differentiation in hippocampal neurons. <i>PLoS ONE</i> , 2014 , 9, e89763	3.7	24
68	Interaction of Necl-4/CADM4 with ErbB3 and integrin $\beta 4$ and inhibition of ErbB2/ErbB3 signaling and hemidesmosome disassembly. <i>Genes To Cells</i> , 2013 , 18, 519-28	2.3	23
67	Aberrant cochlear hair cell attachments caused by Nectin-3 deficiency result in hair bundle abnormalities. <i>Development (Cambridge)</i> , 2014 , 141, 399-409	6.6	23
66	Cooperation of Cdc42 small G protein-activating and actin filament-binding activities of frabin in microspike formation. <i>Oncogene</i> , 2001 , 20, 3457-63	9.2	22
65	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. <i>Cancer Science</i> , 2005 , 96, 578-89	6.9	21
64	Periderm cells covering palatal shelves have tight junctions and their desquamation reduces the polarity of palatal shelf epithelial cells in palatogenesis. <i>Genes To Cells</i> , 2012 , 17, 455-72	2.3	20
63	Directional cell migration regulation by small G proteins, nectin-like molecule-5, and afadin. <i>International Review of Cell and Molecular Biology</i> , 2011 , 287, 97-143	6	20
62	Roles of nectins and nectin-like molecules in the nervous system. <i>Advances in Neurobiology</i> , 2014 , 8, 91-116	11.6	20
61	Impairment of radial glial scaffold-dependent neuronal migration and formation of double cortex by genetic ablation of afadin. <i>Brain Research</i> , 2015 , 1620, 139-52	3.7	19
60	The Cell Adhesion Molecule Necl-4/CADM4 Serves as a Novel Regulator for Contact Inhibition of Cell Movement and Proliferation. <i>PLoS ONE</i> , 2015 , 10, e0124259	3.7	19
59	Immunoglobulin superfamily receptors and adherens junctions. <i>Sub-Cellular Biochemistry</i> , 2012 , 60, 137-35	3.5	19
58	miR-214 and hypoxia down-regulate Necl-2/CADM1 and enhance ErbB2/ErbB3 signaling. <i>Genes To Cells</i> , 2013 , 18, 195-202	2.3	17
57	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. <i>Journal of Biological Chemistry</i> , 2011 , 286, 43537-48	5.4	17
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