

# Yoshimi Takai

## List of Publications by Year in descending order

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201  
papers

16,439  
citations

14614

66  
h-index

17055

122  
g-index

267  
all docs

267  
docs citations

267  
times ranked

12230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small GTP-Binding Proteins. <i>Physiological Reviews</i> , 2001, 81, 153-208.	13.1	2,235
2	Nectin and afadin: novel organizers of intercellular junctions. <i>Journal of Cell Science</i> , 2003, 116, 17-27.	1.2	798
3	Nectins and nectin-like molecules: roles in contact inhibition of cell movement and proliferation. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 603-615.	16.1	483
4	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, 539-549.	2.3	480
5	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, 517-528.	2.3	431
6	SAPAPs. <i>Journal of Biological Chemistry</i> , 1997, 272, 11943-11951.	1.6	338
7	The Immunoglobulin-Like Cell Adhesion Molecule Nectin and Its Associated Protein Afadin. <i>Annual Review of Cell and Developmental Biology</i> , 2008, 24, 309-342.	4.0	310
8	Nectins and nectin-like molecules: Roles in cell adhesion, migration, and polarization. <i>Cancer Science</i> , 2003, 94, 655-667.	1.7	308
9	Cast. <i>Journal of Cell Biology</i> , 2002, 158, 577-590.	2.3	275
10	Nectin. <i>Journal of Cell Biology</i> , 2002, 156, 555-565.	2.3	267
11	Afadin. <i>Journal of Cell Biology</i> , 1999, 146, 1117-1132.	2.3	262
12	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, 10291-10299.	1.6	249
13	Two Cell Adhesion Molecules, Nectin and Cadherin, Interact through Their Cytoplasmic Domain-associated Proteins. <i>Journal of Cell Biology</i> , 2000, 150, 1161-1176.	2.3	243
14	Nectin Couples Cell-Cell Adhesion and the Actin Scaffold at Heterotypic Testicular Junctions. <i>Current Biology</i> , 2002, 12, 1145-1150.	1.8	234
15	Ponsin/SH3P12: An I-Afadin and Vinculin-binding Protein Localized at Cell-Cell and Cell-Matrix Adherens Junctions. <i>Journal of Cell Biology</i> , 1999, 144, 1001-1018.	2.3	232
16	Biochemical and Structural Definition of the I-Afadin- and Actin-binding Sites of $\beta$ -Catenin. <i>Journal of Biological Chemistry</i> , 2002, 277, 18868-18874.	1.6	218
17	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, 35421-35427.	1.6	198
18	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, 641-645.	1.0	183

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19	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, 237-248.	2.3	178
20	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, 5497-5500.	1.6	161
21	Regulation of E-cadherin Endocytosis by Nectin through Afadin, Rap1, and p120ctn. <i>Journal of Biological Chemistry</i> , 2005, 280, 24095-24103.	1.6	153
22	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, 5288-5299.	1.6	137
23	Structural and functional associations of apical junctions with cytoskeleton. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 670-691.	1.4	136
24	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, 815-825.	1.6	133
25	Involvement of LMO7 in the Association of Two Cell-Cell Adhesion Molecules, Nectin and E-cadherin, through Afadin and $\pm$ -Actinin in Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 31365-31373.	1.6	132
26	Interaction of Nectin with Afadin Is Necessary for Its Clustering at Cell-Cell Contact Sites but Not for Its Dimerization or trans Interaction. <i>Journal of Biological Chemistry</i> , 2000, 275, 613-618.	1.6	131
27	The role of nectins in different types of cell-cell adhesion. <i>Journal of Cell Science</i> , 2012, 125, 3713-3722.	1.2	130
28	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, 1330-1340.	1.2	123
29	Nectins Establish a Checkerboard-Like Cellular Pattern in the Auditory Epithelium. <i>Science</i> , 2011, 333, 1144-1147.	6.0	120
30	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, 2565-2575.	0.9	118
31	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, 28167-28172.	1.6	118
32	Involvement of nectin in the localization of junctional adhesion molecule at tight junctions. <i>Oncogene</i> , 2002, 21, 7642-7655.	2.6	116
33	Alternative Entry Receptors for Herpes Simplex Virus and Their Roles in Disease. <i>Cell Host and Microbe</i> , 2007, 2, 19-28.	5.1	116
34	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, 1267-1277.	1.2	113
35	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, 5003-5012.	1.6	109
36	Involvement of Cdc42 small G protein in cell-cell adhesion, migration and morphology of MDCK cells. <i>Oncogene</i> , 1999, 18, 3996-4006.	2.6	103

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37	Roles of cell-adhesion molecules nectin 1 and nectin 3 in ciliary body development. <i>Development (Cambridge)</i> , 2005, 132, 1525-1537.	1.2	103
38	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.	2.3	102
39	Nectins and Nectin-Like Molecules in Development and Disease. <i>Current Topics in Developmental Biology</i> , 2015, 112, 197-231.	1.0	102
40	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.	2.6	101
41	Nectin-like Molecule-5/Tage4 Enhances Cell Migration in an Integrin-dependent, Nectin-3-independent Manner. <i>Journal of Biological Chemistry</i> , 2004, 279, 18015-18025.	1.6	98
42	Cooperative roles of Par-3 and afadin in the formation of adherens and tight junctions. <i>Journal of Cell Science</i> , 2007, 120, 2352-2365.	1.2	98
43	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.	1.0	96
44	Interneurite affinity is regulated by heterophilic nectin interactions in concert with the cadherin machinery. <i>Journal of Cell Biology</i> , 2006, 174, 141-151.	2.3	96
45	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, 315-325.	1.0	95
46	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, 165-173.	2.3	94
47	Regulation of Neurabin I Interaction with Protein Phosphatase 1 by Phosphorylation. <i>Biochemistry</i> , 1999, 38, 12943-12949.	1.2	92
48	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. <i>Journal of Biological Chemistry</i> , 2004, 279, 36419-36425.	1.6	91
49	ADIP, a Novel Afadin- and $\beta$ -Actinin-Binding Protein Localized at Cell-Cell Adherens Junctions. <i>Journal of Biological Chemistry</i> , 2003, 278, 4103-4111.	1.6	90
50	Requirement of Interaction of Nectin-1/HveC with Afadin for Efficient Cell-Cell Spread of Herpes Simplex Virus Type 1. <i>Journal of Virology</i> , 2001, 75, 4734-4743.	1.5	89
51	Cell adhesion molecules in the central nervous system. <i>Cell Adhesion and Migration</i> , 2009, 3, 29-35.	1.1	89
52	$\beta$ -Catenin-independent Recruitment of ZO-1 to Nectin-based Cell-Cell Adhesion Sites through Afadin. <i>Molecular Biology of the Cell</i> , 2001, 12, 1595-1609.	0.9	88
53	Role of cell adhesion molecule nectin-3 in spermatid development. <i>Genes To Cells</i> , 2006, 11, 1125-1132.	0.5	85
54	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, 573-581.	0.5	84

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55	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.	0.5	84
56	Evidence That Tubulobulbar Complexes in the Seminiferous Epithelium Are Involved with Internalization of Adhesion Junctions1. <i>Biology of Reproduction</i> , 2004, 71, 548-559.	1.2	82
57	Interaction of Integrin $\alpha 5 \beta 3$ with Nectin. <i>Journal of Biological Chemistry</i> , 2006, 281, 19631-19644.	1.6	82
58	Different behavior of I-Afadin and Neurabin-II during the formation and destruction of cell-cell adherens junction. <i>Oncogene</i> , 1999, 18, 1609-1617.	2.6	81
59	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, 4940-4947.	1.6	81
60	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, 18697-18700.	1.6	79
61	Nectins and nectin-like molecules: Roles in cell adhesion, polarization, movement, and proliferation. <i>IUBMB Life</i> , 2006, 58, 334-343.	1.5	79
62	Role of nectin in organization of tight junctions in epithelial cells. <i>Genes To Cells</i> , 2002, 7, 1059-1072.	0.5	78
63	Role of Afadin in Vascular Endothelial Growth Factor- and Sphingosine 1-Phosphate-Induced Angiogenesis. <i>Circulation Research</i> , 2010, 106, 1731-1742.	2.0	74
64	MAGUIN, a Novel Neuronal Membrane-associated Guanylate Kinase-interacting Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 11889-11896.	1.6	72
65	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, 51885-51893.	1.6	72
66	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, 6016-6027.	1.6	68
67	Two actions of frabin: direct activation of Cdc42 and indirect activation of Rac. <i>Oncogene</i> , 2000, 19, 3050-3058.	2.6	66
68	Isolation and characterization of cortactin isoforms and a novel cortactin-binding protein, CBP90. <i>Genes To Cells</i> , 1998, 3, 603-612.	0.5	65
69	Afadin/AF-6 and Canoe. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 116, 433-454.	0.9	65
70	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, 25197-25200.	1.6	64
71	Transcriptional activation of the mouse <i>Necl-5/Tage4/PVR/CD155</i> gene by fibroblast growth factor or oncogenic Ras through the Raf-MEK-ERK-AP-1 pathway. <i>Oncogene</i> , 2005, 24, 2229-2235.	2.6	64
72	RA-RhoGAP, Rap-activated Rho GTPase-activating Protein Implicated in Neurite Outgrowth through Rho. <i>Journal of Biological Chemistry</i> , 2005, 280, 33026-33034.	1.6	62

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73	Interaction of Doc2 with tctex-1, a Light Chain of Cytoplasmic Dynein. <i>Journal of Biological Chemistry</i> , 1998, 273, 30065-30068.	1.6	61
74	Roles of nectins in cell adhesion, migration and polarization. <i>Biological Chemistry</i> , 2004, 385, 885-92.	1.2	60
75	Doc2 $\pm$ is an activity-dependent modulator of excitatory synaptic transmission. <i>European Journal of Neuroscience</i> , 1999, 11, 4262-4268.	1.2	59
76	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.	1.3	59
77	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, 843-855.	0.5	57
78	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, 4753-4760.	1.6	56
79	Involvement of the nectin-afadin complex in PDGF-induced cell survival. <i>Journal of Cell Science</i> , 2008, 121, 2008-2017.	1.2	55
80	Role of each immunoglobulin-like loop of nectin for its cell-cell adhesion activity. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 61-66.	1.0	53
81	Contacts between the commissural axons and the floor plate cells are mediated by nectins. <i>Developmental Biology</i> , 2004, 273, 244-256.	0.9	53
82	Silencing of ErbB3/ErbB2 Signaling by Immunoglobulin-like Necl-2. <i>Journal of Biological Chemistry</i> , 2009, 284, 23793-23805.	1.6	52
83	Involvement of afadin in barrier function and homeostasis of mouse intestinal epithelia. <i>Journal of Cell Science</i> , 2011, 124, 2231-2240.	1.2	51
84	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, 29356-29368.	1.6	50
85	Involvement of Rho and Rac small G proteins and Rho GDI in Ca <sup>2+</sup> -dependent exocytosis from PC12 cells. <i>Genes To Cells</i> , 1996, 1, 943-951.	0.5	49
86	Role of the second immunoglobulin-like loop of nectin in cell-cell adhesion. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 45-49.	1.0	49
87	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, 621-629.	1.6	48
88	Localization of l-afadin at puncta adhaerentia-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.	0.9	47
89	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, 275-279.	1.3	47
90	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. <i>Journal of Comparative Neurology</i> , 2003, 460, 514-524.	0.9	46

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91	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, 481-491.	0.5	46
92	Necl-5/Poliovirus Receptor Interacts in cis with Integrin $\alpha 5\beta 1$ and Regulates Its Clustering and Focal Complex Formation. <i>Journal of Biological Chemistry</i> , 2007, 282, 18481-18496.	1.6	46
93	The cell adhesion gene PVRL3 is associated with congenital ocular defects. <i>Human Genetics</i> , 2012, 131, 235-250.	1.8	46
94	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, 549-569.	0.5	45
95	Crystal Structure of the cis-Dimer of Nectin-1. <i>Journal of Biological Chemistry</i> , 2011, 286, 12659-12669.	1.6	45
96	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.	1.1	45
97	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.	2.0	44
98	Cooperation of nectin $\alpha 1$ and nectin $\alpha 3$ is required for normal ameloblast function and crown shape development in mouse teeth. <i>Developmental Dynamics</i> , 2010, 239, 2558-2569.	0.8	44
99	Human T-Cell Leukemia Virus Type 1 (HTLV-1) Tax Requires CADM1/TSLC1 for Inactivation of the NF- $\kappa$ B Inhibitor A20 and Constitutive NF- $\kappa$ B Signaling. <i>PLoS Pathogens</i> , 2015, 11, e1004721.	2.1	44
100	Regulation by nectin of the velocity of the formation of adherens junctions and tight junctions. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 104-109.	1.0	43
101	Active zone protein CAST is a component of conventional and ribbon synapses in mouse retina. <i>Journal of Comparative Neurology</i> , 2006, 495, 480-496.	0.9	43
102	Frabin and other related Cdc42 $\alpha$ -specific guanine nucleotide exchange factors couple the actin cytoskeleton with the plasma membrane. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1169-1176.	1.6	43
103	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, 24595-24609.	1.6	42
104	Necl-5/Poliovirus Receptor Interacts With VEGFR2 and Regulates VEGF-Induced Angiogenesis. <i>Circulation Research</i> , 2012, 110, 716-726.	2.0	42
105	Synergistic action of nectins and cadherins generates the mosaic cellular pattern of the olfactory epithelium. <i>Journal of Cell Biology</i> , 2016, 212, 561-575.	2.3	42
106	A Novel Role of Nectins in Inhibition of the E-Cadherin $\alpha$ -induced Activation of Rac and Formation of Cell-Cell Adherens Junctions. <i>Molecular Biology of the Cell</i> , 2004, 15, 1077-1088.	0.9	41
107	Regulation of Platelet-derived Growth Factor Receptor Activation by Afadin through SHP-2. <i>Journal of Biological Chemistry</i> , 2007, 282, 37815-37825.	1.6	41
108	Absence of primary cilia in cell cycle $\alpha$ -arrested human breast cancer cells. <i>Genes To Cells</i> , 2014, 19, 141-152.	0.5	41



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109	Deficiency of Nectin-2 Leads to Cardiac Fibrosis and Dysfunction Under Chronic Pressure Overload. Hypertension, 2009, 54, 825-831.	1.3	40
110	Interaction and localization of Nectin-5 and PDGF receptor $\beta^2$ at the leading edges of moving NIH3T3 cells: Implications for directional cell movement. Genes To Cells, 2008, 13, 269-284.	0.5	37
111	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, 4319-4329.	1.2	37
112	Involvement of afadin in the formation and remodeling of synapses in the hippocampus. Biochemical and Biophysical Research Communications, 2009, 385, 539-544.	1.0	37
113	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, 2097-2109.	2.6	35
114	Interaction of Nectin-like Molecule 2 with Integrin $\beta^2$ and Inhibition of Disassembly of Integrin $\beta^2$ from Hemidesmosomes. Journal of Biological Chemistry, 2011, 286, 36667-36676.	1.6	35
115	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, 985-994.	0.5	34
116	Regulation of platelet-derived growth factor-induced Ras signaling by poliovirus receptor Nectin-5 and negative growth regulator Sprouty2. Genes To Cells, 2007, 12, 345-357.	0.5	34
117	Cooperative Role of Nectin-Nectin and Nectin-Afadin Interactions in Formation of Nectin-based Cell-Cell Adhesion. Journal of Biological Chemistry, 2011, 286, 36297-36303.	1.6	34
118	Downregulation of CXCR4 in Metastasized Breast Cancer Cells and Implication in Their Dormancy. PLoS ONE, 2015, 10, e0130032.	1.1	34
119	Involvement of integrin-induced activation of protein kinase C in the formation of adherens junctions. Genes To Cells, 2007, 12, 651-662.	0.5	33
120	Involvement of Nectin in Inactivation of Integrin $\beta^3$ after the Establishment of Cell-Cell Adhesion. Journal of Biological Chemistry, 2008, 283, 496-505.	1.6	33
121	Nectin spot: a novel type of nectin-mediated cell adhesion apparatus. Biochemical Journal, 2016, 473, 2691-2715.	1.7	33
122	Expression patterns of nectins and afadin during epithelial remodeling in the mouse embryo. Developmental Dynamics, 2004, 230, 174-186.	0.8	31
123	Reduction of the ST6 $\beta$ -Galactosamide $\beta$ -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, 11845-11853.	1.6	31
124	Afadin regulates actomyosin organization through $\beta$ -catenin at adherens junctions. Journal of Cell Biology, 2020, 219, .	2.3	31
125	Recruitment of E-cadherin associated with $\beta$ - and $\gamma$ -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, 435-445.	0.5	30
126	Establishment of cell polarity by afadin during the formation of embryoid bodies. Genes To Cells, 2008, 13, 79-90.	0.5	30



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127	Necl2 regulates epidermal adhesion and wound repair. <i>Development (Cambridge)</i> , 2009, 136, 3505-3514.	1.2	30
128	Filopodium-derived vesicles produced by MIM enhance the migration of recipient cells. <i>Developmental Cell</i> , 2021, 56, 842-859.e8.	3.1	30
129	Cooperation of Cdc42 small G protein-activating and actin filament-binding activities of frabin in microspike formation. <i>Oncogene</i> , 2001, 20, 3457-3463.	2.6	29
130	Requirement of the F-actin-binding activity of laeafadin for enhancing the formation of adherens and tight junctions. <i>Genes To Cells</i> , 2018, 23, 185-199.	0.5	29
131	Association of synapse-associated protein 90/ postsynaptic density-95-associated protein (SAPAP) with neurofilaments. <i>Genes To Cells</i> , 2000, 5, 203-210.	0.5	28
132	Aberrant cochlear hair cell attachments caused by Nectin-3 deficiency result in hair bundle abnormalities. <i>Development (Cambridge)</i> , 2014, 141, 399-409.	1.2	28
133	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.	1.6	27
134	Ectodomain shedding of nectin-1 by SF/HGF and TPA in MDCK cells. <i>Biochemical and Biophysical Research Communications</i> , 2002, 299, 472-478.	1.0	26
135	Afadin Regulates Puncta Adherens Junction Formation and Presynaptic Differentiation in Hippocampal Neurons. <i>PLoS ONE</i> , 2014, 9, e89763.	1.1	26
136	Impairment of radial glial scaffold-dependent neuronal migration and formation of double cortex by genetic ablation of afadin. <i>Brain Research</i> , 2015, 1620, 139-152.	1.1	25
137	Directional Cell Migration. <i>International Review of Cell and Molecular Biology</i> , 2011, 287, 97-143.	1.6	24
138	Interaction of N-cadherin/CADM4 with E-cadherin/B-cadherin and integrin $\beta$ 6 and inhibition of E-cadherin/B-cadherin/E-cadherin/B-cadherin signaling and hemidesmosome disassembly. <i>Genes To Cells</i> , 2013, 18, 519-528.	0.5	24
139	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.	1.1	24
140	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, 455-472.	0.5	23
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