Kenji Mandai

List of Publications by Year
in descending order

53 papers	3,594 citations	218677 26 h-index	168389 53 g-index
53 all docs	53 docs citations	53 times ranked	3468 citing authors

#	Article	IF	Citations
1	Nectinâ€2Î± is localized at cholinergic neuron dendrites and regulates synapse formation in the medial habenula. Journal of Comparative Neurology, 2021, 529, 450-477.	1.6	4
2	Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 2020, 106, 37-65.e5.	8.1	109
3	Interaction of nectin-2Î± 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.	2.2	4
4	Localization of nectinâ€2Î± at the boundary between the adjacent somata of the clustered cholinergic neurons and its regulatory role in the subcellular localization of the voltageâ€gated Aâ€type K⁺ channel Kv4.2 in the medial habenula. Journal of Comparative Neurology, 2018, 526, 1527-1549.	1.6	4
5	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.	2.2	15
6	Agingâ€dependent expression of synapseâ€related proteins in the mouse brain. Genes To Cells, 2017, 22, 472-484.	1.2	10
7	Multiple roles of afadin in the ultrastructural morphogenesis of mouse hippocampal mossy fiber synapses. Journal of Comparative Neurology, 2017, 525, 2719-2734.	1.6	14
8	Roles of afadin in functional differentiations of hippocampal mossy fiber synapse. Genes To Cells, 2017, 22, 715-722.	1.2	5
9	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.	2.2	8
10	<scp>NGL</scp>â€3â€induced presynaptic differentiation of hippocampal neurons in an afadinâ€dependent, nectinâ€1â€independent manner. Genes To Cells, 2017, 22, 742-755.	1.2	7
11	Localization of nectin-2Î´ at perivascular astrocytic endfoot processes and degeneration of astrocytes and neurons in nectin-2 knockout mouse brain. Brain Research, 2016, 1649, 90-101.	2.2	23
12	Regulatory role of the cell adhesion molecule nectinâ€1 in <scp>GABA</scp>ergic inhibitory synaptic transmission in the <scp>CA</scp>3 region of mouse hippocampus. Genes To Cells, 2016, 21, 88-98.	1.2	4
13	Activity-dependent alteration of the morphology of a hippocampal giant synapse. Molecular and Cellular Neurosciences, 2016, 71, 25-33.	2.2	14
14	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.	3.4	16
15	Nectinâ€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, 1824-1839.	1.6	9
16	The LRR receptor Islr2 is required for retinal axon routing at the vertebrate optic chiasm. Neural Development, 2015, 10, 23.	2.4	30
17	Nectins and Nectin-Like Molecules in Development and Disease. Current Topics in Developmental Biology, 2015, 112, 197-231.	2.2	102
18	Impairment of radial glial scaffold-dependent neuronal migration and formation of double cortex by genetic ablation of afadin. Brain Research, 2015, 1620, 139-152.	2.2	25

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19	Nectin-1 spots regulate the branching of olfactory mitral cell dendrites. Molecular and Cellular Neurosciences, 2015, 68, 143-150.	2.2	8
20	sâ€Afadin binds more preferentially to the cell adhesion molecules nectins than lâ€afadin. Genes To Cells, 2014, 19, 853-863.	1.2	10
21	Linx Mediates Interaxonal Interactions and Formation of the Internal Capsule. Neuron, 2014, 83, 93-103.	8.1	32
22	Roles of Nectins and Nectin-Like Molecules in the Nervous System. Advances in Neurobiology, 2014, 8, 91-116.	1.8	21
23	Afadin Regulates Puncta Adherentia Junction Formation and Presynaptic Differentiation in Hippocampal Neurons. PLoS ONE, 2014, 9, e89763.	2.5	26
24	Afadin/AF-6 and Canoe. Progress in Molecular Biology and Translational Science, 2013, 116, 433-454.	1.7	65
25	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.	2.5	45
26	The role of nectins in different types of cellâ€“cell adhesion. Journal of Cell Science, 2012, 125, 3713-3722.	2.0	130
27	Immunoglobulin Superfamily Receptors and Adherens Junctions. Sub-Cellular Biochemistry, 2012, 60, 137-170.	2.4	23
28	An evolving NGF-Hoxd1 signaling pathway mediates development of divergent neural circuits in vertebrates. Nature Neuroscience, 2011, 14, 31-36.	14.8	47
29	LIG Family Receptor Tyrosine Kinase-Associated Proteins Modulate Growth Factor Signals during Neural Development. Neuron, 2009, 63, 614-627.	8.1	71
30	Serum Response Factor Mediates NGF-Dependent Target Innervation by Embryonic DRG Sensory Neurons. Neuron, 2008, 58, 532-545.	8.1	116
31	Direct binding of the human homologue of the Drosophila disc large tumor suppressor gene to seven-pass transmembrane proteins, tumor endothelial marker 5 (TEM5), and a novel TEM5-like protein. Oncogene, 2004, 23, 3889-3897.	5.9	42
32	Localization of mLin-7 at nectin-based cellâ€“cell junctions. Oncogene, 2002, 21, 2545-2554.	5.9	15
33	Restoration of E-cadherin-based cellâ€“cell adhesion by overexpression of nectin in HSC-39 cells, a human signet ring cell gastric cancer cell line. Oncogene, 2002, 21, 4108-4119.	5.9	20
34	Î±-Catenin-independent Recruitment of ZO-1 to Nectin-based Cell-Cell Adhesion Sites through Afadin. Molecular Biology of the Cell, 2001, 12, 1595-1609.	2.1	88
35	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. Journal of Comparative Neurology, 2000, 424, 297-306.	1.6	47
36	Ankycorbin: a novel actin cytoskeleton-associated protein. Genes To Cells, 2000, 5, 1001-1008.	1.2	29

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37	Two actions of frabin: direct activation of Cdc42 and indirect activation of Rac. Oncogene, 2000, 19, 3050-3058.	5.9	66
38	Two Cell Adhesion Molecules, Nectin and Cadherin, Interact through Their Cytoplasmic Domainâ€“Associated Proteins. Journal of Cell Biology, 2000, 150, 1161-1176.	5.2	243
39	Nectin/PRR: An Immunoglobulin-like Cell Adhesion Molecule Recruited to Cadherin-based Adherens Junctions through Interaction with Afadin, a PDZ Domainâ€“containing Protein. Journal of Cell Biology, 1999, 145, 539-549.	5.2	480
40	Afadin. Journal of Cell Biology, 1999, 146, 1117-1132.	5.2	262
41	Ponsin/SH3P12: An l-Afadinâ€“ and Vinculin-binding Protein Localized at Cellâ€“Cell and Cellâ€“Matrix Adherens Junctions. Journal of Cell Biology, 1999, 144, 1001-1018.	5.2	232
42	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. Genes To Cells, 1999, 4, 573-581.	1.2	84
43	Different behavior of l-Afadin and Neurabin-II during the formation and destruction of cellâ€‰â€“â€‰cell adherens junction. Oncogene, 1999, 18, 1609-1617.	5.9	81
44	Frabin, a Novel FGD1-related Actin Filament-binding Protein Capable of Changing Cell Shape and Activating c-Jun N-terminal Kinase. Journal of Biological Chemistry, 1998, 273, 18697-18700.	3.4	79
45	Afadin: A Novel Actin Filamentâ€“binding Protein with One PDZ Domain Localized at Cadherin-based Cell-to-Cell Adherens Junction. Journal of Cell Biology, 1997, 139, 517-528.	5.2	431
46	Neurabin: A Novel Neural Tissueâ€“specific Actin Filamentâ€“binding Protein Involved in Neurite Formation. Journal of Cell Biology, 1997, 139, 951-961.	5.2	180
47	Ischemic tolerance in hippocampal CA1 neurons studied using contralateral controls. Neuroscience, 1997, 81, 989-998.	2.3	40
48	Ischemic tolerance in moderately symptomatic gerbils after unilateral carotid occlusion. Brain Research, 1996, 716, 39-46.	2.2	19
49	Induction of cyclooxygenase-2 mRNA in gerbil hippocampal neurons after transient forebrain ischemia. Brain Research, 1996, 736, 353-356.	2.2	68
50	Effect of systemic zinc administration on delayed neuronal death in the gerbil hippocampus. Brain Research, 1996, 743, 362-365.	2.2	72
51	Progression of carotid atherosclerosis in Japanese patients with coronary artery disease. International Journal of Angiology, 1994, 3, 56-60.	0.6	1
52	Evaluation of cerebral vasoreactivity by three-dimensional time-of-flight magnetic resonance angiography.. Stroke, 1994, 25, 1807-1811.	2.0	11
53	Sequential change of heterogeneous cerebral blood blow patterns after diffuse brain ischemia. Resuscitation, 1992, 24, 273-281.	3.0	7