

Kenji Mandai

List of Publications by Year in descending order

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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	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.	5.2	480
2	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.	5.2	431
3	Afadin. <i>Journal of Cell Biology</i> , 1999, 146, 1117-1132.	5.2	262
4	Two Cell Adhesion Molecules, Nectin and Cadherin, Interact through Their Cytoplasmic Domain-associated Proteins. <i>Journal of Cell Biology</i> , 2000, 150, 1161-1176.	5.2	243
5	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.	5.2	232
6	Neurabin: A Novel Neural Tissue-specific Actin Filament-binding Protein Involved in Neurite Formation. <i>Journal of Cell Biology</i> , 1997, 139, 951-961.	5.2	180
7	The role of nectins in different types of cell-cell adhesion. <i>Journal of Cell Science</i> , 2012, 125, 3713-3722.	2.0	130
8	Serum Response Factor Mediates NGF-Dependent Target Innervation by Embryonic DRG Sensory Neurons. <i>Neuron</i> , 2008, 58, 532-545.	8.1	116
9	Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. <i>Neuron</i> , 2020, 106, 37-65.e5.	8.1	109
10	Nectins and Nectin-Like Molecules in Development and Disease. <i>Current Topics in Developmental Biology</i> , 2015, 112, 197-231.	2.2	102
11	Î±-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.	2.1	88
12	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.	1.2	84
13	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.	5.9	81
14	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.	3.4	79
15	Effect of systemic zinc administration on delayed neuronal death in the gerbil hippocampus. <i>Brain Research</i> , 1996, 743, 362-365.	2.2	72
16	LIG Family Receptor Tyrosine Kinase-Associated Proteins Modulate Growth Factor Signals during Neural Development. <i>Neuron</i> , 2009, 63, 614-627.	8.1	71
17	Induction of cyclooxygenase-2 mRNA in gerbil hippocampal neurons after transient forebrain ischemia. <i>Brain Research</i> , 1996, 736, 353-356.	2.2	68
18	Two actions of frabin: direct activation of Cdc42 and indirect activation of Rac. <i>Oncogene</i> , 2000, 19, 3050-3058.	5.9	66

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19	Afadin/AF-6 and Canoe. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 116, 433-454.	1.7	65
20	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.	1.6	47
21	An evolving NGF-Hoxd1 signaling pathway mediates development of divergent neural circuits in vertebrates. <i>Nature Neuroscience</i> , 2011, 14, 31-36.	14.8	47
22	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.	2.5	45
23	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. <i>Oncogene</i> , 2004, 23, 3889-3897.	5.9	42
24	Ischemic tolerance in hippocampal CA1 neurons studied using contralateral controls. <i>Neuroscience</i> , 1997, 81, 989-998.	2.3	40
25	Linx Mediates Interaxonal Interactions and Formation of the Internal Capsule. <i>Neuron</i> , 2014, 83, 93-103.	8.1	32
26	The LRR receptor Islr2 is required for retinal axon routing at the vertebrate optic chiasm. <i>Neural Development</i> , 2015, 10, 23.	2.4	30
27	Ankycorbin: a novel actin cytoskeleton-associated protein. <i>Genes To Cells</i> , 2000, 5, 1001-1008.	1.2	29
28	Afadin Regulates Puncta Adherentia Junction Formation and Presynaptic Differentiation in Hippocampal Neurons. <i>PLoS ONE</i> , 2014, 9, e89763.	2.5	26
29	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.	2.2	25
30	Localization of nectin-2Î at perivascular astrocytic endfoot processes and degeneration of astrocytes and neurons in nectin-2 knockout mouse brain. <i>Brain Research</i> , 2016, 1649, 90-101.	2.2	23
31	Immunoglobulin Superfamily Receptors and Adherens Junctions. <i>Sub-Cellular Biochemistry</i> , 2012, 60, 137-170.	2.4	23
32	Roles of Nectins and Nectin-Like Molecules in the Nervous System. <i>Advances in Neurobiology</i> , 2014, 8, 91-116.	1.8	21
33	Restoration of E-cadherin-based cell-cell adhesion by overexpression of nectin in HSC-39 cells, a human signet ring cell gastric cancer cell line. <i>Oncogene</i> , 2002, 21, 4108-4119.	5.9	20
34	Ischemic tolerance in moderately symptomatic gerbils after unilateral carotid occlusion. <i>Brain Research</i> , 1996, 716, 39-46.	2.2	19
35	A Novel Nectin-mediated Cell Adhesion Apparatus That Is Implicated in Prolactin Receptor Signaling for Mammary Gland Development. <i>Journal of Biological Chemistry</i> , 2016, 291, 5817-5831.	3.4	16
36	Localization of mLin-7 at nectin-based cell-cell junctions. <i>Oncogene</i> , 2002, 21, 2545-2554.	5.9	15

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37	Involvement of l-afadin, but not s-afadin, in the formation of puncta adherentia junctions of hippocampal synapses. <i>Molecular and Cellular Neurosciences</i> , 2018, 92, 40-49.	2.2	15
38	Activity-dependent alteration of the morphology of a hippocampal giant synapse. <i>Molecular and Cellular Neurosciences</i> , 2016, 71, 25-33.	2.2	14
39	Multiple roles of afadin in the ultrastructural morphogenesis of mouse hippocampal mossy fiber synapses. <i>Journal of Comparative Neurology</i> , 2017, 525, 2719-2734.	1.6	14
40	Evaluation of cerebral vasoreactivity by three-dimensional time-of-flight magnetic resonance angiography. <i>Stroke</i> , 1994, 25, 1807-1811.	2.0	11
41	afadin binds more preferentially to the cell adhesion molecules nectins than l-afadin. <i>Genes To Cells</i> , 2014, 19, 853-863.	1.2	10
42	Aging-dependent expression of synapse-related proteins in the mouse brain. <i>Genes To Cells</i> , 2017, 22, 472-484.	1.2	10
43	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. <i>Journal of Comparative Neurology</i> , 2015, 523, 1824-1839.	1.6	9
44	Nectin-1 spots regulate the branching of olfactory mitral cell dendrites. <i>Molecular and Cellular Neurosciences</i> , 2015, 68, 143-150.	2.2	8
45	Roles of afadin in the formation of the cellular architecture of the mouse hippocampus and dentate gyrus. <i>Molecular and Cellular Neurosciences</i> , 2017, 79, 34-44.	2.2	8
46	Sequential change of heterogeneous cerebral blood flow patterns after diffuse brain ischemia. <i>Resuscitation</i> , 1992, 24, 273-281.	3.0	7
47	NGL-induced presynaptic differentiation of hippocampal neurons in an afadin-dependent, nectin-1-independent manner. <i>Genes To Cells</i> , 2017, 22, 742-755.	1.2	7
48	Roles of afadin in functional differentiations of hippocampal mossy fiber synapse. <i>Genes To Cells</i> , 2017, 22, 715-722.	1.2	5
49	Regulatory role of the cell adhesion molecule nectin-1 in GABAergic inhibitory synaptic transmission in the CA3 region of mouse hippocampus. <i>Genes To Cells</i> , 2016, 21, 88-98.	1.2	4
50	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. <i>Journal of Comparative Neurology</i> , 2018, 526, 1527-1549.	1.6	4
51	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. <i>Molecular and Cellular Neurosciences</i> , 2019, 94, 32-40.	2.2	4
52	Nectin-2 is localized at cholinergic neuron dendrites and regulates synapse formation in the medial habenula. <i>Journal of Comparative Neurology</i> , 2021, 529, 450-477.	1.6	4
53	Progression of carotid atherosclerosis in Japanese patients with coronary artery disease. <i>International Journal of Angiology</i> , 1994, 3, 56-60.	0.6	1