

# Makoto Kinoshita

## List of Publications by Year in descending order

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63  
papers

4,837  
citations

117625

34  
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123424

61  
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67  
all docs

67  
docs citations

67  
times ranked

6404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self- and Actin-Templated Assembly of Mammalian Septins. <i>Developmental Cell</i> , 2002, 3, 791-802.	7.0	464
2	Role of Septin Cytoskeleton in Spine Morphogenesis and Dendrite Development in Neurons. <i>Current Biology</i> , 2007, 17, 1752-1758.	3.9	255
3	Cortical Organization by the Septin Cytoskeleton Is Essential for Structural and Mechanical Integrity of Mammalian Spermatozoa. <i>Developmental Cell</i> , 2005, 8, 343-352.	7.0	250
4	A Mitotic Septin Scaffold Required for Mammalian Chromosome Congression and Segregation. <i>Science</i> , 2005, 307, 1781-1785.	12.6	241
5	Entrapment of Intracytosolic Bacteria by Septin Cage-like Structures. <i>Cell Host and Microbe</i> , 2010, 8, 433-444.	11.0	229
6	Assembly of Mammalian Septins. <i>Journal of Biochemistry</i> , 2003, 134, 491-496.	1.7	227
7	Borg proteins control septin organization and are negatively regulated by Cdc42. <i>Nature Cell Biology</i> , 2001, 3, 861-866.	10.3	184
8	Amoeboid T lymphocytes require the septin cytoskeleton for cortical integrity and persistent motility. <i>Nature Cell Biology</i> , 2009, 11, 17-26.	10.3	170
9	Sept4, a Component of Presynaptic Scaffold and Lewy Bodies, Is Required for the Suppression of $\alpha$ -Synuclein Neurotoxicity. <i>Neuron</i> , 2007, 53, 519-533.	8.1	156
10	Diversity of septin scaffolds. <i>Current Opinion in Cell Biology</i> , 2006, 18, 54-60.	5.4	153
11	Epithelial polarity requires septin coupling of vesicle transport to polyglutamylated microtubules. <i>Journal of Cell Biology</i> , 2008, 180, 295-303.	5.2	149
12	cDNA Cloning, Expression Analysis, and Mapping of the MouseNedd4Gene. <i>Genomics</i> , 1997, 40, 435-443.	2.9	142
13	Identification of Septins in Neurofibrillary Tangles in Alzheimer's Disease. <i>American Journal of Pathology</i> , 1998, 153, 1551-1560.	3.8	133
14	Association of the Cytoskeletal GTP-binding Protein Sept4/H5 with Cytoplasmic Inclusions Found in Parkinson's Disease and Other Synucleinopathies. <i>Journal of Biological Chemistry</i> , 2003, 278, 24095-24102.	3.4	117
15	Mammalian Septins Nomenclature. <i>Molecular Biology of the Cell</i> , 2002, 13, 4111-4113.	2.1	112
16	Phosphatidic Acid (PA)-preferring Phospholipase A1 Regulates Mitochondrial Dynamics. <i>Journal of Biological Chemistry</i> , 2014, 289, 11497-11511.	3.4	110
17	The septins. <i>Genome Biology</i> , 2003, 4, 236.	9.6	108
18	Septins promote dendrite and axon development by negatively regulating microtubule stability via HDAC6-mediated deacetylation. <i>Nature Communications</i> , 2013, 4, 2532.	12.8	106

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19	Differential localization of septins in the mouse brain. <i>Journal of Comparative Neurology</i> , 2000, 428, 223-239.	1.6	105
20	Chronic Cerebral Hypoperfusion Induces MMP-2 but Not MMP-9 Expression in the Microglia and Vascular Endothelium of White Matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 828-834.	4.3	104
21	Genetic Deletion of SEPT7 Reveals a Cell Type-Specific Role of Septins in Microtubule Destabilization for the Completion of Cytokinesis. <i>PLoS Genetics</i> , 2014, 10, e1004558.	3.5	90
22	SIRT1 overexpression ameliorates a mouse model of SOD1-linked amyotrophic lateral sclerosis via HSF1/HSP70 $\alpha$ chaperone system. <i>Molecular Brain</i> , 2014, 7, 62.	2.6	77
23	Advances in Cytokinesis Research. Roles of Septins in the Mammalian Cytokinesis Machinery. <i>Cell Structure and Function</i> , 2001, 26, 667-670.	1.1	71
24	Submembranous septins as relatively stable components of actin-based membrane skeleton. <i>Cytoskeleton</i> , 2011, 68, 512-525.	2.0	64
25	Up-Regulation of the Nedd2 Gene Encoding an ICE/Ced-3-Like Cysteine Protease in the Gerbil Brain after Transient Global Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 507-514.	4.3	63
26	Disruption of Sept6, a Fusion Partner Gene of MLL, Does Not Affect Ontogeny, Leukemogenesis Induced by MLL-SEPT6, or Phenotype Induced by the Loss of Sept4. <i>Molecular and Cellular Biology</i> , 2005, 25, 10965-10978.	2.3	60
27	Septins as Diagnostic Markers for a Subset of Human Asthenozoospermia. <i>Journal of Urology</i> , 2008, 180, 2706-2709.	0.4	59
28	Silent Information Regulator 2 Homolog 1 Counters Cerebral Hypoperfusion Injury by Deacetylating Endothelial Nitric Oxide Synthase. <i>Stroke</i> , 2014, 45, 3403-3411.	2.0	56
29	Phosphorylation of a New Brain-specific Septin, G-septin, by cGMP-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 2000, 275, 10047-10056.	3.4	54
30	Structural insights shed light onto septin assemblies and function. <i>Current Opinion in Cell Biology</i> , 2008, 20, 12-18.	5.4	53
31	UBL3 modification influences protein sorting to small extracellular vesicles. <i>Nature Communications</i> , 2018, 9, 3936.	12.8	53
32	Identification of human endomucin-1 and -2 as membrane-bound O-sialoglycoproteins with anti-adhesive activity. <i>FEBS Letters</i> , 2001, 499, 121-126.	2.8	48
33	PCP-dependent transcellular regulation of actomyosin oscillation facilitates convergent extension of vertebrate tissue. <i>Developmental Biology</i> , 2019, 446, 159-167.	2.0	40
34	Phosphorylation of Adult Type Sept5 (CDCrel-1) by Cyclin-dependent Kinase 5 Inhibits Interaction with Syntaxin-1. <i>Journal of Biological Chemistry</i> , 2007, 282, 7869-7876.	3.4	38
35	SIRT1 attenuates severe ischemic damage by preserving cerebral blood flow. <i>NeuroReport</i> , 2015, 26, 113-117.	1.2	38
36	Expression of DRG during murine embryonic development. <i>Biochemical and Biophysical Research Communications</i> , 1992, 189, 371-377.	2.1	36

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37	Loss of Sept4 exacerbates liver fibrosis through the dysregulation of hepatic stellate cells. <i>Journal of Hepatology</i> , 2008, 49, 768-778.	3.7	34
38	Spatiotemporal association of DNAJB13 with the annulus during mouse sperm flagellum development. <i>BMC Developmental Biology</i> , 2009, 9, 23.	2.1	34
39	Endomucin, a sialomucin expressed in high endothelial venules, supports L-selectin-mediated rolling. <i>International Immunology</i> , 2004, 16, 1265-1274.	4.0	31
40	Origin, expression and possible functions of the two alternatively spliced forms of the mouse Nedd2 mRNA. <i>Cell Death and Differentiation</i> , 1997, 4, 378-387.	11.2	29
41	HMG-X, a <i>Xenopus</i> gene encoding an HMG1 homolog, is abundantly expressed in the developing nervous system. <i>FEBS Letters</i> , 1994, 352, 191-196.	2.8	26
42	An interferon regulatory factor-related gene ( <i>xIRF-6</i> ) is expressed in the posterior mesoderm during the early development of <i>Xenopus laevis</i> . <i>Gene</i> , 1997, 203, 183-188.	2.2	25
43	Chronic overload of SEPT4, a parkin substrate that aggregates in Parkinson's disease, causes behavioral alterations but not neurodegeneration in mice. <i>Molecular Brain</i> , 2013, 6, 35.	2.6	23
44	Facilitation of axon outgrowth via a Wnt5a-CaMKK-CaMKII $\beta$ pathway during neuronal polarization. <i>Molecular Brain</i> , 2016, 9, 8.	2.6	22
45	A septin requirement differentiates autonomous and contact-facilitated T cell proliferation. <i>Nature Immunology</i> , 2016, 17, 315-322.	14.5	22
46	A CDC42EP4/septin-based perisynaptic glial scaffold facilitates glutamate clearance. <i>Nature Communications</i> , 2015, 6, 10090.	12.8	21
47	Downregulation of the Wnt antagonist <i>Dkk2</i> links the loss of Sept4 and myofibroblastic transformation of hepatic stellate cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 1403-1411.	3.8	20
48	Septin-dependent remodeling of cortical microtubule drives cell reshaping during epithelial wound healing. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	18
49	Vector Analysis of Corneal Astigmatism after Scleral Buckling Surgery. <i>Ophthalmologica</i> , 1994, 208, 250-253.	1.9	14
50	Septin Interferes with the Temperature-Dependent Domain Formation and Disappearance of Lipid Bilayer Membranes. <i>Langmuir</i> , 2016, 32, 12823-12832.	3.5	13
51	Developmental and postdevelopmental roles of septins in the brain. <i>Neuroscience Research</i> , 2021, 170, 6-12.	1.9	13
52	Connecting the Dots between Septins and the DNA Damage Checkpoint. <i>Cell</i> , 2007, 130, 777-779.	28.9	12
53	Transgenic supplementation of SIRT1 fails to alleviate acute loss of nigrostriatal dopamine neurons and gliosis in a mouse model of MPTP-induced parkinsonism. <i>F1000Research</i> , 2015, 4, 130.	1.6	11
54	Identification of a <i>Xenopus</i> glutamine synthetase gene abundantly expressed in the embryonic nervous system but not in adult brain. <i>FEBS Letters</i> , 1995, 371, 287-292.	2.8	10

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55	Localization of septin proteins in the mouse cochlea. <i>Hearing Research</i> , 2012, 289, 40-51.	2.0	10
56	Caspases in Cell Death. <i>Results and Problems in Cell Differentiation</i> , 1998, 24, 1-24.	0.7	8
57	Insight into Septin Functions from Mouse Models. , 0, , 319-336.		7
58	Septin7 regulates inner ear formation at an early developmental stage. <i>Developmental Biology</i> , 2016, 419, 217-228.	2.0	7
59	A novel gene encoding a ferredoxin reductase-like protein expressed in the neuroectoderm in <i>Xenopus neurula</i> . <i>Gene</i> , 1997, 194, 297-299.	2.2	6
60	CDC42EP4, a perisynaptic scaffold protein in Bergmann glia, is required for glutamatergic tripartite synapse configuration. <i>Neurochemistry International</i> , 2018, 119, 190-198.	3.8	4
61	Ultrastructural localization analysis of septins in mammalian nervous system. <i>Neuroscience Research</i> , 2011, 71, e118.	1.9	0
62	Septins and Cytokinesis. , 2004, , 22-26.		0
63	Role of the Septin Cytoskeleton for the Functional Organization of the Plasma Membrane. , 2010, , 259-267.		0