Makoto Michikawa

List of Publications by Year
in descending order

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40 papers	2,078 citations	257450 24 h-index	302126 39 g-index
40 all docs	40 docs citations	40 times ranked	2825 citing authors

#	Article	IF	Citations
1	A Novel Function of Monomeric Amyloid Î²-Protein Serving as an Antioxidant Molecule against Metal-Induced Oxidative Damage. Journal of Neuroscience, 2002, 22, 4833-4841.	3.6	296
2	Altered Cholesterol Metabolism in Niemann-Pick Type C1 Mouse Brains Affects Mitochondrial Function. Journal of Biological Chemistry, 2005, 280, 11731-11739.	3.4	179
3	Angiotensin-Converting Enzyme Converts Amyloid Î²-Protein 1â€“42 (AÎ²_{1â€“42}) to AÎ²_{1â€“40}, and Its Inhibition Enhances Brain AÎ² Deposition. Journal of Neuroscience, 2007, 27, 8628-8635.	3.6	162
4	A Novel Action of Alzheimer's Amyloid Î²-Protein (AÎ²): Oligomeric AÎ² Promotes Lipid Release. Journal of Neuroscience, 2001, 21, 7226-7235.	3.6	148
5	Periodontitis induced by bacterial infection exacerbates features of Alzheimerâ€™s disease in transgenic mice. Npj Aging and Mechanisms of Disease, 2017, 3, 15.	4.5	141
6	Amyloid Î²-protein (AÎ²)1-40 protects neurons from damage induced by AÎ²1-42 in culture and in rat brain. Journal of Neurochemistry, 2003, 87, 609-619.	3.9	138
7	Cholesterol-dependent modulation of dendrite outgrowth and microtubule stability in cultured neurons. Journal of Neurochemistry, 2002, 80, 178-190.	3.9	118
8	Modulation of Amyloid Precursor Protein Cleavage by Cellular Sphingolipids. Journal of Biological Chemistry, 2004, 279, 11984-11991.	3.4	76
9	Cholesterol-mediated Neurite Outgrowth Is Differently Regulated between Cortical and Hippocampal Neurons*. Journal of Biological Chemistry, 2005, 280, 42759-42765.	3.4	74
10	Tooth loss induces memory impairment and neuronal cell loss in APP transgenic mice. Behavioural Brain Research, 2013, 252, 318-325.	2.2	65
11	AÎ²42-to-AÎ²40- and Angiotensin-converting Activities in Different Domains of Angiotensin-converting Enzyme. Journal of Biological Chemistry, 2009, 284, 31914-31920.	3.4	56
12	Amyloid Î²â€protein affects cholesterol metabolism in cultured neurons: Implications for pivotal role of cholesterol in the amyloid cascade. Journal of Neuroscience Research, 2002, 70, 438-446.	2.9	53
13	AÎ²43 Is the Earliest-Depositing AÎ² Species in APP Transgenic Mouse Brain and Is Converted to AÎ²41 by Two Active Domains of ACE. American Journal of Pathology, 2013, 182, 2322-2331.	3.8	39
14	ABCG1 and ABCG4 Suppress Î³-Secretase Activity and Amyloid Î² Production. PLoS ONE, 2016, 11, e0155400.	2.5	36
15	Oral dysfunctions and cognitive impairment/dementia. Journal of Neuroscience Research, 2021, 99, 518-528.	2.9	36
16	Amyloid-Î² Reduces Exosome ReleaseÂfromÂAstrocytes by Enhancing JNK Phosphorylation. Journal of Alzheimer's Disease, 2016, 53, 1433-1441.	2.6	35
17	A clinical dose of angiotensin-converting enzyme (ACE) inhibitor and heterozygous ACE deletion exacerbate Alzheimer's disease pathology in mice. Journal of Biological Chemistry, 2019, 294, 9760-9770.	3.4	32
18	Novel Role of Presenilins in Maturation and Transport of Integrin Î²1. Biochemistry, 2008, 47, 3370-3378.	2.5	31

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19	Arachidonic or Docosahexaenoic Acid Diet Prevents Memory Impairment in Tg2576 Mice. Journal of Alzheimer's Disease, 2015, 48, 149-162.	2.6	29
20	Arachidonic acid diet attenuates brain AÎ² deposition in Tg2576 mice. Brain Research, 2015, 1613, 92-99.	2.2	29
21	Phosphatidylcholine protects neurons from toxic effects of amyloid Î²-protein in culture. Brain Research, 2016, 1642, 376-383.	2.2	28
22	Molar loss and powder diet leads to memory deficit and modifies the mRNA expression of brain-derived neurotrophic factor in the hippocampus of adult mice. BMC Neuroscience, 2016, 17, 81.	1.9	27
23	Oligomerization of amyloid ?-protein occurs during the isolation of lipid rafts. Journal of Neuroscience Research, 2005, 80, 114-119.	2.9	25
24	Angiotensin type 1a receptor deficiency decreases amyloid Î²-protein generation and ameliorates brain amyloid pathology. Scientific Reports, 2015, 5, 12059.	3.3	25
25	Angiotensin-Converting Enzyme as a Potential Target for Treatment of Alzheimer's Disease: Inhibition or Activation?. Reviews in the Neurosciences, 2008, 19, 203-12.	2.9	24
26	Tau Depletion in APP Transgenic Mice Attenuates Task-Related Hyperactivation of the Hippocampus and Differentially Influences Locomotor Activity and Spatial Memory. Frontiers in Neuroscience, 2018, 12, 124.	2.8	24
27	Probiotic Bifidobacterium breve Prevents Memory Impairment Through the Reduction of Both Amyloid-Î² Production and Microglia Activation in APP Knock-In Mouse1. Journal of Alzheimer's Disease, 2022, 85, 1555-1571.	2.6	24
28	Liquid diet induces memory impairment accompanied by a decreased number of hippocampal neurons in mice. Journal of Neuroscience Research, 2014, 92, 1010-1017.	2.9	23
29	Tooth loss might not alter molecular pathogenesis in an aged transgenic Alzheimer's disease model mouse. Gerodontology, 2016, 33, 308-314.	2.0	21
30	High temperature promotes amyloid Î²-protein production and Î³-secretase complex formation via Hsp90. Journal of Biological Chemistry, 2020, 295, 18010-18022.	3.4	14
31	Beta-Amyloid Increases the Expression Levels of Tid1 Responsible for Neuronal Cell Death and Amyloid Beta Production. Molecular Neurobiology, 2020, 57, 1099-1114.	4.0	12
32	Nasal obstruction during adolescence induces memory/learning impairments associated with BDNF/TrkB signaling pathway hypofunction and high corticosterone levels. Journal of Neuroscience Research, 2018, 96, 1056-1065.	2.9	9
33	ApoA-I/HDL Generation and Intracellular Cholesterol Transport through Cytosolic Lipid-Protein Particles in Astrocytes. Journal of Lipids, 2014, 2014, 1-9.	4.8	8
34	Iso-Î±-Acids, Bitter Components in Beer, Suppress Inflammatory Responses and Attenuate Neural Hyperactivation in the Hippocampus. Frontiers in Pharmacology, 2019, 10, 81.	3.5	8
35	Presenilin Is Essential for ApoE Secretion, a Novel Role of Presenilin Involved in Alzheimer's Disease Pathogenesis. Journal of Neuroscience, 2022, 42, 1574-1586.	3.6	8
36	Insulin Deficiency Increases Sirt2 Level in Streptozotocin-Treated Alzheimerâ€™s Disease-Like Mouse Model: Increased Sirt2 Induces Tau Phosphorylation Through ERK Activation. Molecular Neurobiology, 2022, 59, 5408-5425.	4.0	7

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37	Iron treatment inhibits AÎ²42 deposition inÂvivo and reduces AÎ²42/AÎ²40 ratio. Biochemical and Biophysical Research Communications, 2019, 512, 653-658.	2.1	6
38	Time-Dependent Analysis of Plasmalogens in the Hippocampus of an Alzheimerâ€™s Disease Mouse Model: A Role of Ethanolamine Plasmalogen. Brain Sciences, 2021, 11, 1603.	2.3	6
39	Auraptene Increases the Production of Amyloid-Î² via c-Jun N-Terminal Kinase-Dependent Activation of Î³-Secretase. Journal of Alzheimer's Disease, 2014, 43, 1215-1228.	2.6	5
40	A Cationic Gallium Phthalocyanine Inhibits Amyloid Î² Peptide Fibril Formation. Current Alzheimer Research, 2020, 17, 589-600.	1.4	1