

# Masashi Kitazawa

## List of Publications by Year in descending order

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67  
papers

8,835  
citations

61945

43  
h-index

98753

67  
g-index

69  
all docs

69  
docs citations

69  
times ranked

11528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colony-Stimulating Factor 1 Receptor Signaling Is Necessary for Microglia Viability, Unmasking a Microglia Progenitor Cell in the Adult Brain. <i>Neuron</i> , 2014, 82, 380-397.	3.8	1,350
2	Amyloid deposition precedes tangle formation in a triple transgenic model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2003, 24, 1063-1070.	1.5	840
3	Neural stem cells improve cognition via BDNF in a transgenic model of Alzheimer disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13594-13599.	3.3	761
4	Lipopolysaccharide-Induced Inflammation Exacerbates Tau Pathology by a Cyclin-Dependent Kinase 5-Mediated Pathway in a Transgenic Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2005, 25, 8843-8853.	1.7	607
5	Blocking IL-1 Signaling Rescues Cognition, Attenuates Tau Pathology, and Restores Neuronal $\beta$ -Catenin Pathway Function in an Alzheimer's Disease Model. <i>Journal of Immunology</i> , 2011, 187, 6539-6549.	0.4	359
6	Metal Toxicity Links to Alzheimer's Disease and Neuroinflammation. <i>Journal of Molecular Biology</i> , 2019, 431, 1843-1868.	2.0	281
7	Reduction of Soluble $A\beta$ and Tau, but Not Soluble $A\beta$ Alone, Ameliorates Cognitive Decline in Transgenic Mice with Plaques and Tangles. <i>Journal of Biological Chemistry</i> , 2006, 281, 39413-39423.	1.6	262
8	Caspase-3-Dependent Proteolytic Cleavage of Protein Kinase $C\delta$ Is Essential for Oxidative Stress-Mediated Dopaminergic Cell Death after Exposure to Methylcyclopentadienyl Manganese Tricarbonyl. <i>Journal of Neuroscience</i> , 2002, 22, 1738-1751.	1.7	210
9	Memantine Improves Cognition and Reduces Alzheimer's-Like Neuropathology in Transgenic Mice. <i>American Journal of Pathology</i> , 2010, 176, 870-880.	1.9	188
10	Dieldrin-Induced Neurotoxicity: Relevance to Parkinson's Disease Pathogenesis. <i>NeuroToxicology</i> , 2005, 26, 701-719.	1.4	172
11	Dieldrin-induced oxidative stress and neurochemical changes contribute to apoptotic cell death in dopaminergic cells. <i>Free Radical Biology and Medicine</i> , 2001, 31, 1473-1485.	1.3	171
12	Inflammation Induced by Infection Potentiates Tau Pathological Features in Transgenic Mice. <i>American Journal of Pathology</i> , 2011, 178, 2811-2822.	1.9	166
13	The emerging risk of exposure to air pollution on "cognitive decline and Alzheimer's disease" Evidence from epidemiological and animal studies. <i>Biomedical Journal</i> , 2018, 41, 141-162.	1.4	161
14	Caspase-3 dependent proteolytic activation of protein kinase $C\delta$ mediates and regulates 1-methyl-4-phenylpyridinium (MPP+)-induced apoptotic cell death in dopaminergic cells: relevance to oxidative stress in dopaminergic degeneration. <i>European Journal of Neuroscience</i> , 2003, 18, 1387-1401.	1.2	158
15	Dieldrin induces apoptosis by promoting caspase-3-dependent proteolytic cleavage of protein kinase $C\delta$ in dopaminergic cells: relevance to oxidative stress and dopaminergic degeneration. <i>Neuroscience</i> , 2003, 119, 945-964.	1.1	151
16	Neural Stem Cells Improve Memory in an Inducible Mouse Model of Neuronal Loss. <i>Journal of Neuroscience</i> , 2007, 27, 11925-11933.	1.7	149
17	Transgenic Mouse Models of Alzheimer Disease: Developing a Better Model as a Tool for Therapeutic Interventions. <i>Current Pharmaceutical Design</i> , 2012, 18, 1131-1147.	0.9	146
18	Protein Kinase $C\delta$ Is a Key Downstream Mediator of Manganese-Induced Apoptosis in Dopaminergic Neuronal Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 46-55.	1.3	143

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19	Microglia as a Potential Bridge between the Amyloid $\beta$ -Peptide and Tau. <i>Annals of the New York Academy of Sciences</i> , 2004, 1035, 85-103.	1.8	140
20	Chronic copper exposure exacerbates both amyloid and tau pathology and selectively dysregulates cdk5 in a mouse model of AD. <i>Journal of Neurochemistry</i> , 2009, 108, 1550-1560.	2.1	139
21	Aspirin-Triggered Lipoxin A4 Stimulates Alternative Activation of Microglia and Reduces Alzheimer Disease-Like Pathology in Mice. <i>American Journal of Pathology</i> , 2013, 182, 1780-1789.	1.9	139
22	Ceftriaxone ameliorates tau pathology and cognitive decline via restoration of glial glutamate transporter in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, 2260-2271.	1.5	128
23	Role of Proteolytic Activation of Protein Kinase C $\delta$ in Oxidative Stress-Induced Apoptosis. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 609-620.	2.5	122
24	VCP Associated Inclusion Body Myopathy and Paget Disease of Bone Knock-In Mouse Model Exhibits Tissue Pathology Typical of Human Disease. <i>PLoS ONE</i> , 2010, 5, e13183.	1.1	109
25	Loss of Muscarinic M1 Receptor Exacerbates Alzheimer's Disease-Like Pathology and Cognitive Decline. <i>American Journal of Pathology</i> , 2011, 179, 980-991.	1.9	100
26	Oxidative Stress and Mitochondrial-Mediated Apoptosis in Dopaminergic Cells Exposed to Methylcyclopentadienyl Manganese Tricarbonyl. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 26-35.	1.3	81
27	Infection, systemic inflammation, and Alzheimer's disease. <i>Microbes and Infection</i> , 2015, 17, 549-556.	1.0	81
28	Calpain Inhibitor A-705253 Mitigates Alzheimer's Disease-Like Pathology and Cognitive Decline in Aged 3xTgAD Mice. <i>American Journal of Pathology</i> , 2012, 181, 616-625.	1.9	80
29	Upregulation of miR-181 Decreases c-Fos and SIRT-1 in the Hippocampus of 3xTg-AD Mice. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 1229-1238.	1.2	77
30	Inflammation induces tau pathology in inclusion body myositis model via glycogen synthase kinase-3 $\beta$ . <i>Annals of Neurology</i> , 2008, 64, 15-24.	2.8	76
31	Restoration of Lipoxin A4 Signaling Reduces Alzheimer's Disease-Like Pathology in the 3xTg-AD Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 893-903.	1.2	76
32	Copper Exposure Perturbs Brain Inflammatory Responses and Impairs Clearance of Amyloid-Beta. <i>Toxicological Sciences</i> , 2016, 152, 194-204.	1.4	75
33	$\beta$ 7 Nicotinic Receptor Agonist Enhances Cognition in Aged 3xTg-AD Mice with Robust Plaques and Tangles. <i>American Journal of Pathology</i> , 2014, 184, 520-529.	1.9	68
34	Amyloid $\beta$ -Peptide: The Inside Story. <i>Current Alzheimer Research</i> , 2004, 1, 231-239.	0.7	65
35	Activation of protein kinase C $\delta$ by proteolytic cleavage contributes to manganese-induced apoptosis in dopaminergic cells: protective role of Bcl-2. <i>Biochemical Pharmacology</i> , 2005, 69, 133-146.	2.0	63
36	Genetically Augmenting A $\beta$ 242 Levels in Skeletal Muscle Exacerbates Inclusion Body Myositis-Like Pathology and Motor Deficits in Transgenic Mice. <i>American Journal of Pathology</i> , 2006, 168, 1986-1997.	1.9	62

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37	Environmental and Dietary Exposure to Copper and Its Cellular Mechanisms Linking to Alzheimer's Disease. <i>Toxicological Sciences</i> , 2018, 163, 338-345.	1.4	59
38	Environmental neurotoxin dieldrin induces apoptosis via caspase-3-dependent proteolytic activation of protein kinase C delta (PKCdelta): Implications for neurodegeneration in Parkinson's disease. <i>Molecular Brain</i> , 2008, 1, 12.	1.3	58
39	Impaired $\alpha$ 7nAChR signaling and cytoskeletal alterations induce early synaptic dysfunction in a mouse model of Alzheimer's disease. <i>Aging Cell</i> , 2018, 17, e12791.	3.0	58
40	The Homozygote VCP <sup>R155H</sup> Mouse Model Exhibits Accelerated Human VCP-Associated Disease Pathology. <i>PLoS ONE</i> , 2012, 7, e46308.	1.1	56
41	Generation of a humanized A $\beta$ 42 expressing mouse demonstrating aspects of Alzheimer's disease-like pathology. <i>Nature Communications</i> , 2021, 12, 2421.	5.8	53
42	Amyloid- $\beta$ 2 protein impairs Ca <sup>2+</sup> release and contractility in skeletal muscle. <i>Neurobiology of Aging</i> , 2010, 31, 2080-2090.	1.5	52
43	Impaired In Vivo Gamma Oscillations in the Medial Entorhinal Cortex of Knock-in Alzheimer Model. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 48.	1.2	52
44	Dieldrin Promotes Proteolytic Cleavage of Poly(ADP-Ribose) Polymerase and Apoptosis in Dopaminergic Cells: Protective Effect of Mitochondrial Anti-Apoptotic Protein Bcl-2. <i>NeuroToxicology</i> , 2004, 25, 589-598.	1.4	49
45	Pathogenic accumulation of APP in fast twitch muscle of IBM patients and a transgenic model. <i>Neurobiology of Aging</i> , 2006, 27, 423-432.	1.5	43
46	miR-181a negatively modulates synaptic plasticity in hippocampal cultures and its inhibition rescues memory deficits in a mouse model of Alzheimer's disease. <i>Aging Cell</i> , 2020, 19, e13118.	3.0	42
47	Neuronal-Specific Overexpression of a Mutant Valosin-Containing Protein Associated with IBMPFD Promotes Aberrant Ubiquitin and TDP-43 Accumulation and Cognitive Dysfunction in Transgenic Mice. <i>American Journal of Pathology</i> , 2013, 183, 504-515.	1.9	35
48	Long term changes in phospho-APP and tau aggregation in the 3xTg-AD mice following cerebral ischemia. <i>Neuroscience Letters</i> , 2011, 495, 55-59.	1.0	32
49	Treatment of Alzheimer's Disease with Anti-Homocysteic Acid Antibody in 3xTg-AD Male Mice. <i>PLoS ONE</i> , 2010, 5, e8593.	1.1	31
50	Blockade of PKC $\delta$ Proteolytic Activation by Loss of Function Mutants Rescues Mesencephalic Dopaminergic Neurons from Methylcyclopentadienyl Manganese Tricarbonyl (MMT)-Induced Apoptotic Cell Death. <i>Annals of the New York Academy of Sciences</i> , 2004, 1035, 271-289.	1.8	24
51	Inhibition of hematopoietic cell kinase dysregulates microglial function and accelerates early stage Alzheimer's disease-like neuropathology. <i>Glia</i> , 2018, 66, 2700-2718.	2.5	24
52	Amyloid-beta impairs TOM1-mediated IL-1R1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21198-21206.	3.3	24
53	Copper-Induced Upregulation of MicroRNAs Directs the Suppression of Endothelial LRP1 in Alzheimer's Disease Model. <i>Toxicological Sciences</i> , 2019, 170, 144-156.	1.4	23
54	Immunization with Amyloid- $\beta$ 2 Attenuates Inclusion Body Myositis-Like Myopathology and Motor Impairment in a Transgenic Mouse Model. <i>Journal of Neuroscience</i> , 2009, 29, 6132-6141.	1.7	22

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55	The Myoblast C2C12 Transfected with Mutant Valosin-Containing Protein Exhibits Delayed Stress Granule Resolution on Oxidative Stress. <i>American Journal of Pathology</i> , 2016, 186, 1623-1634.	1.9	21
56	Endogenous murine tau promotes neurofibrillary tangles in 3xTg-AD mice without affecting cognition. <i>Neurobiology of Disease</i> , 2014, 62, 407-415.	2.1	19
57	Astrocyte transport of glutamate and neuronal activity reciprocally modulate tau pathology in <i>Drosophila</i> . <i>Neuroscience</i> , 2017, 348, 191-200.	1.1	19
58	Inflammatory Cytokine, IL-1 $\beta$ , Regulates Glial Glutamate Transporter via microRNA-181a in vitro. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 965-975.	1.2	16
59	Genetic Ablation of Hematopoietic Cell Kinase Accelerates Alzheimer's Disease-Like Neuropathology in Tg2576 Mice. <i>Molecular Neurobiology</i> , 2020, 57, 2447-2460.	1.9	15
60	Chronic copper exposure directs microglia towards degenerative expression signatures in wild-type and J20 mouse model of Alzheimer's disease. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 62, 126578.	1.5	13
61	Intra- and extracellular $\beta$ -amyloid overexpression via adeno-associated virus-mediated gene transfer impairs memory and synaptic plasticity in the hippocampus. <i>Scientific Reports</i> , 2019, 9, 15936.	1.6	12
62	Antipodal Effects of p25 on Synaptic Plasticity, Learning, and Memory—Too Much of a Good Thing Is Bad. <i>Neuron</i> , 2005, 48, 711-712.	3.8	7
63	Effect of Lipopolysaccharide and TNF $\alpha$ on Neuronal Ascorbic Acid Uptake. <i>Mediators of Inflammation</i> , 2021, 2021, 1-11.	1.4	7
64	Calsyntenin-3 interacts with the sodium-dependent vitamin C transporter-2 to regulate vitamin C uptake. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 1178-1184.	3.6	5
65	Inflammatory Cytokine IL-1 $\beta$ Downregulates Endothelial LRP1 via MicroRNA-mediated Gene Silencing. <i>Neuroscience</i> , 2021, 453, 69-80.	1.1	4
66	The 3xTg-AD Mouse Model: Reproducing and Modulating Plaque and Tangle Pathology. <i>Neuromethods</i> , 2011, , 469-482.	0.2	3
67	A novel oxidative stress dependent apoptotic pathway in pesticide-induced dopaminergic degeneration in PD models. <i>Journal of Neurochemistry</i> , 2002, 81, 76-76.	2.1	1