

Atsushi Takeda

List of Publications by Year in descending order

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139
papers

4,650
citations

126858

33
h-index

123376

61
g-index

143
all docs

143
docs citations

143
times ranked

3707
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganese action in brain function. <i>Brain Research Reviews</i> , 2003, 41, 79-87.	9.1	481
2	Zinc homeostasis and functions of zinc in the brain. <i>BioMetals</i> , 2001, 14, 343-351.	1.8	302
3	Insight into zinc signaling from dietary zinc deficiency. <i>Brain Research Reviews</i> , 2009, 62, 33-44.	9.1	174
4	Biological half-lives of zinc and manganese in rat brain. <i>Brain Research</i> , 1995, 695, 53-58.	1.1	151
5	Decreased Brain Zinc Availability Reduces Hippocampal Neurogenesis in Mice and Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1579-1588.	2.4	127
6	Susceptibility to kainate-induced seizures under dietary zinc deficiency. <i>Journal of Neurochemistry</i> , 2003, 85, 1575-1580.	2.1	105
7	Cadmium toxicity in synaptic neurotransmission in the brain. <i>Brain Research</i> , 2001, 894, 336-339.	1.1	99
8	Differential effects of zinc on glutamatergic and GABAergic neurotransmitter systems in the hippocampus. <i>Journal of Neuroscience Research</i> , 2004, 75, 225-229.	1.3	99
9	Release of glutamate and GABA in the hippocampus under zinc deficiency. <i>Journal of Neuroscience Research</i> , 2003, 72, 537-542.	1.3	94
10	Anxiety-like behavior of young rats after 2-week zinc deprivation. <i>Behavioural Brain Research</i> , 2007, 177, 1-6.	1.2	89
11	Zinc homeostasis in the brain of adult rats fed zinc-deficient diet. <i>Journal of Neuroscience Research</i> , 2001, 63, 447-452.	1.3	80
12	Suppressive effect of Yokukansan on excessive release of glutamate and aspartate in the hippocampus of zinc-deficient rats. <i>Nutritional Neuroscience</i> , 2008, 11, 41-46.	1.5	79
13	Inhibition of presynaptic activity by zinc released from mossy fiber terminals during tetanic stimulation. <i>Journal of Neuroscience Research</i> , 2006, 83, 167-176.	1.3	72
14	Synaptic Zn ²⁺ homeostasis and its significance. <i>Metallomics</i> , 2013, 5, 417.	1.0	72
15	Relationship between brain zinc and transient learning impairment of adult rats fed zinc-deficient diet. <i>Brain Research</i> , 2000, 859, 352-357.	1.1	70
16	Attenuation of abnormal glutamate release in zinc deficiency by zinc and Yokukansan. <i>Neurochemistry International</i> , 2008, 53, 230-235.	1.9	66
17	Manganese uptake into rat brain during development and aging. <i>Journal of Neuroscience Research</i> , 1999, 56, 93-98.	1.3	63
18	Behavior in the forced swim test and neurochemical changes in the hippocampus in young rats after 2-week zinc deprivation. <i>Neurochemistry International</i> , 2009, 55, 536-541.	1.9	62

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19	Zinc Signaling in the Hippocampus and Its Relation to Pathogenesis of Depression. <i>Molecular Neurobiology</i> , 2011, 44, 166-174.	1.9	62
20	Zinc homeostasis in the hippocampus of zinc-deficient young adult rats. <i>Neurochemistry International</i> , 2005, 46, 221-225.	1.9	60
21	Significance of serum glucocorticoid and chelatable zinc in depression and cognition in zinc deficiency. <i>Behavioural Brain Research</i> , 2012, 226, 259-264.	1.2	54
22	Susceptibility to stress in young rats after 2-week zinc deprivation. <i>Neurochemistry International</i> , 2010, 56, 410-416.	1.9	53
23	Extracellular Zn ²⁺ Is Essential for Amyloid β^{42} -Induced Cognitive Decline in the Normal Brain and Its Rescue. <i>Journal of Neuroscience</i> , 2017, 37, 7253-7262.	1.7	47
24	In vivo stimulation-induced release of manganese in rat amygdala. <i>Brain Research</i> , 1998, 811, 147-151.	1.1	45
25	Inhibitory function of zinc against excitation of hippocampal glutamatergic neurons. <i>Epilepsy Research</i> , 2003, 57, 169-174.	0.8	43
26	Role of zinc influx via AMPA/kainate receptor activation in metabotropic glutamate receptor-mediated calcium release. <i>Journal of Neuroscience Research</i> , 2007, 85, 1310-1317.	1.3	43
27	Transient Increase in Zn ²⁺ in Hippocampal CA1 Pyramidal Neurons Causes Reversible Memory Deficit. <i>PLoS ONE</i> , 2011, 6, e28615.	1.1	43
28	Zinc movement in the brain under kainate-induced seizures. <i>Epilepsy Research</i> , 2003, 54, 123-129.	0.8	40
29	Cognitive decline due to excess synaptic Zn ²⁺ signaling in the hippocampus. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 26.	1.7	38
30	Negative modulation of presynaptic activity by zinc released from schaffer collaterals. <i>Journal of Neuroscience Research</i> , 2007, 85, 3666-3672.	1.3	37
31	Enhancement of social isolation-induced aggressive behavior of young mice by zinc deficiency. <i>Life Sciences</i> , 2008, 82, 909-914.	2.0	37
32	Facilitated Neurogenesis in the Developing Hippocampus After Intake of Theanine, an Amino Acid in Tea Leaves, and Object Recognition Memory. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 1079-1088.	1.7	37
33	Influence of transferrin on manganese uptake in rat brain. , 2000, 59, 542-552.		35
34	Intracellular Zn ²⁺ signaling in the dentate gyrus is required for object recognition memory. <i>Hippocampus</i> , 2014, 24, 1404-1412.	0.9	35
35	Release of zinc from the brain of El (epilepsy) mice during seizure induction. <i>Brain Research</i> , 1999, 828, 174-178.	1.1	33
36	Intracellular Zn ²⁺ signaling in cognition. <i>Journal of Neuroscience Research</i> , 2014, 92, 819-824.	1.3	33

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37	Amyloid β -Mediated Zn^{2+} Influx into Dentate Granule Cells Transiently Induces a Short-Term Cognitive Deficit. <i>PLoS ONE</i> , 2014, 9, e115923.	1.1	33
38	Region-specific loss of zinc in the brain in pentylentetrazole-induced seizures and seizure susceptibility in zinc deficiency. <i>Epilepsy Research</i> , 2006, 70, 41-48.	0.8	32
39	Proposed glucocorticoid-mediated zinc signaling in the hippocampus. <i>Metallomics</i> , 2012, 4, 614.	1.0	32
40	Excess influx of Zn^{2+} into dentate granule cells affects object recognition memory via attenuated LTP. <i>Neurochemistry International</i> , 2015, 87, 60-65.	1.9	32
41	Increase in hippocampal cell death after treatment with kainate in zinc deficiency. <i>Neurochemistry International</i> , 2005, 47, 539-544.	1.9	31
42	Attenuation of hippocampal mossy fiber long-term potentiation by low micromolar concentrations of zinc. <i>Journal of Neuroscience Research</i> , 2008, 86, 2906-2911.	1.3	30
43	Hippocampal calcium dyshomeostasis and long-term potentiation in 2-week zinc deficiency. <i>Neurochemistry International</i> , 2008, 52, 241-246.	1.9	29
44	Zinc signaling through glucocorticoid and glutamate signaling in stressful circumstances. <i>Journal of Neuroscience Research</i> , 2010, 88, 3002-3010.	1.3	29
45	Significance of the degree of synaptic Zn^{2+} signaling in cognition. <i>BioMetals</i> , 2016, 29, 177-185.	1.8	29
46	The Impact of Synaptic Zn^{2+} Dynamics on Cognition and Its Decline. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2411.	1.8	29
47	^{109}Cd transport in rat brain. <i>Brain Research Bulletin</i> , 1999, 49, 453-457.	1.4	28
48	Impairment of GABAergic neurotransmitter system in the amygdala of young rats after 4-week zinc deprivation. <i>Neurochemistry International</i> , 2006, 49, 746-750.	1.9	28
49	Response of extracellular zinc in the ventral hippocampus against novelty stress. <i>Journal of Neurochemistry</i> , 2006, 99, 670-676.	2.1	28
50	Manganese concentration in mouse brain after intravenous injection. <i>Journal of Neuroscience Research</i> , 2000, 61, 350-356.	1.3	27
51	Facilitation of zinc influx via AMPA/kainate receptor activation in the hippocampus. <i>Neurochemistry International</i> , 2009, 55, 376-382.	1.9	27
52	Preventive effect of theanine intake on stress-induced impairments of hippocampal long-term potentiation and recognition memory. <i>Brain Research Bulletin</i> , 2013, 95, 1-6.	1.4	27
53	Significance of synaptic Zn^{2+} signaling in zincergic and non-zincergic synapses in the hippocampus in cognition. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 38, 93-98.	1.5	27
54	Enhanced excitability of hippocampal mossy fibers and CA3 neurons under dietary zinc deficiency. <i>Epilepsy Research</i> , 2005, 63, 77-84.	0.8	26

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55	Extracellular Zn ²⁺ Influx into Nigral Dopaminergic Neurons Plays a Key Role for Pathogenesis of 6-Hydroxydopamine-Induced Parkinson's Disease in Rats. <i>Molecular Neurobiology</i> , 2019, 56, 435-443.	1.9	26
56	Response of hippocampal mossy fiber zinc to excessive glutamate release. <i>Neurochemistry International</i> , 2007, 50, 322-327.	1.9	25
57	Ameliorative effect of Yokukansan on social isolation-induced aggressive behavior of zinc-deficient young mice. <i>Brain Research Bulletin</i> , 2010, 83, 351-355.	1.4	25
58	Blockade of intracellular Zn ²⁺ signaling in the dentate gyrus erases recognition memory via impairment of maintained LTP. <i>Hippocampus</i> , 2015, 25, 952-962.	0.9	25
59	AMPA-induced extracellular Zn ²⁺ influx into nigral dopaminergic neurons causes movement disorder in rats. <i>NeuroToxicology</i> , 2018, 69, 23-28.	1.4	25
60	Responsiveness to kainate in young rats after 2-week zinc deprivation. <i>BioMetals</i> , 2006, 19, 565-572.	1.8	24
61	Therapeutic effect of Yokukansan on social isolation-induced aggressive behavior of zinc-deficient and pair-fed mice. <i>Brain Research Bulletin</i> , 2012, 87, 551-555.	1.4	24
62	Characteristic of Extracellular Zn ²⁺ Influx in the Middle-Aged Dentate Gyrus and Its Involvement in Attenuation of LTP. <i>Molecular Neurobiology</i> , 2018, 55, 2185-2195.	1.9	24
63	Involvement of unusual glutamate release in kainate-induced seizures in zinc-deficient adult rats. <i>Epilepsy Research</i> , 2005, 66, 137-143.	0.8	23
64	Insight into Glutamate Excitotoxicity from Synaptic Zinc Homeostasis. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-8.	1.1	23
65	Zinc signaling in the hippocampus and its relation to pathogenesis of depression. <i>Journal of Trace Elements in Medicine and Biology</i> , 2012, 26, 80-84.	1.5	23
66	Unique Induction of CA1 LTP Components After Intake of Theanine, an Amino Acid in Tea Leaves and its Effect on Stress Response. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 41-48.	1.7	23
67	Novel Defense by Metallothionein Induction Against Cognitive Decline: From Amyloid β 42-Induced Excess Zn ²⁺ to Functional Zn ²⁺ Deficiency. <i>Molecular Neurobiology</i> , 2018, 55, 7775-7788.	1.9	23
68	Unique response of zinc in the hippocampus to behavioral stress and attenuation of subsequent mossy fiber long-term potentiation. <i>NeuroToxicology</i> , 2009, 30, 712-717.	1.4	22
69	In vitro and in vivo physiology of low nanomolar concentrations of Zn ²⁺ in artificial cerebrospinal fluid. <i>Scientific Reports</i> , 2017, 7, 42897.	1.6	22
70	Involvement of glucocorticoid-mediated Zn ²⁺ signaling in attenuation of hippocampal CA1 LTP by acute stress. <i>Neurochemistry International</i> , 2012, 60, 394-399.	1.9	21
71	Insight into cognitive decline from Zn ²⁺ dynamics through extracellular signaling of glutamate and glucocorticoids. <i>Archives of Biochemistry and Biophysics</i> , 2016, 611, 93-99.	1.4	20
72	Blockade of Rapid Influx of Extracellular Zn ²⁺ into Nigral Dopaminergic Neurons Overcomes Paraquat-Induced Parkinson's Disease in Rats. <i>Molecular Neurobiology</i> , 2019, 56, 4539-4548.	1.9	20

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73	Zinc differentially acts on components of long-term potentiation at hippocampal CA1 synapses. <i>Brain Research</i> , 2010, 1323, 59-64.	1.1	19
74	Influences of yokukansankachimpihange on aggressive behavior of zinc-deficient mice and actions of the ingredients on excessive neural exocytosis in the hippocampus of zinc-deficient rats. <i>Experimental Animals</i> , 2016, 65, 353-361.	0.7	19
75	Is interaction of amyloid β -peptides with metals involved in cognitive activity?. <i>Metallomics</i> , 2015, 7, 1205-1212.	1.0	18
76	Maintained LTP and Memory Are Lost by Zn ²⁺ Influx into Dentate Granule Cells, but Not Ca ²⁺ Influx. <i>Molecular Neurobiology</i> , 2018, 55, 1498-1508.	1.9	18
77	Paraquat as an Environmental Risk Factor in Parkinson's Disease Accelerates Age-Related Degeneration Via Rapid Influx of Extracellular Zn ²⁺ into Nigral Dopaminergic Neurons. <i>Molecular Neurobiology</i> , 2019, 56, 7789-7799.	1.9	18
78	Suppressive effect of Saiko-ka-ryukotsu-borei-to, a herbal medicine, on excessive release of glutamate in the hippocampus. <i>Brain Research Bulletin</i> , 2004, 64, 273-277.	1.4	17
79	Abnormal iron accumulation in the brain of neonatal hypotransferrinemic mice. <i>Brain Research</i> , 2001, 912, 154-161.	1.1	16
80	Alteration of zinc concentrations in the brain implanted with C6 glioma. <i>Brain Research</i> , 2003, 965, 170-173.	1.1	16
81	Alzheimer risk factors age and female sex induce cortical A β aggregation by raising extracellular zinc. <i>Molecular Psychiatry</i> , 2020, 25, 2728-2741.	4.1	16
82	⁶⁵ Zn localization in rat brain after intracerebroventricular injection of ⁶⁵ Zn-histidine. <i>Brain Research</i> , 2000, 863, 241-244.	1.1	15
83	Influence of iron-saturation of plasma transferrin in iron distribution in the brain. <i>Neurochemistry International</i> , 2002, 41, 223-228.	1.9	15
84	Analysis of Brain Function and Prevention of Brain Diseases: the Action of Trace Metals. <i>Journal of Health Science</i> , 2004, 50, 429-442.	0.9	15
85	Significance of Transferrin in Iron Delivery to the Brain. <i>Journal of Health Science</i> , 2001, 47, 520-524.	0.9	14
86	Zinc-mediated attenuation of hippocampal mossy fiber long-term potentiation induced by forskolin. <i>Neurochemistry International</i> , 2010, 57, 608-614.	1.9	14
87	In vivo synaptic activity-independent co-uptakes of amyloid β 1-42 and Zn ²⁺ into dentate granule cells in the normal brain. <i>Scientific Reports</i> , 2019, 9, 6498.	1.6	14
88	Significance of Zn ²⁺ signaling in cognition: Insight from synaptic Zn ²⁺ dyshomeostasis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014, 28, 393-396.	1.5	13
89	Behavioral Abnormality Induced by Enhanced Hypothalamo-Pituitary-Adrenocortical Axis Activity under Dietary Zinc Deficiency and Its Usefulness as a Model. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1149.	1.8	13
90	Preferential Neurodegeneration in the Dentate Gyrus by Amyloid β 1-42-Induced Intracellular Zn ²⁺ -Dysregulation and Its Defense Strategy. <i>Molecular Neurobiology</i> , 2020, 57, 1875-1888.	1.9	13

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91	Possible involvement of plasma histidine in differential brain permeability to zinc and cadmium. <i>BioMetals</i> , 2002, 15, 371-375.	1.8	12
92	Zinc release from Schaffer collaterals and its significance. <i>Brain Research Bulletin</i> , 2006, 68, 442-447.	1.4	12
93	Abnormal Ca ²⁺ mobilization in hippocampal slices of epileptic animals fed a zinc-deficient diet. <i>Epilepsy Research</i> , 2009, 83, 73-80.	0.8	12
94	Advantageous effect of theanine intake on cognition. <i>Nutritional Neuroscience</i> , 2014, 17, 279-283.	1.5	12
95	Involvement of N-methyl-D-aspartate receptor subunits in zinc-mediated modification of CA1 long-term potentiation in the developing hippocampus. <i>Journal of Neuroscience Research</i> , 2012, 90, 551-558.	1.3	11
96	Enhanced Susceptibility to Spontaneous Seizures of Noda Epileptic Rats by Loss of Synaptic Zn ²⁺ . <i>PLoS ONE</i> , 2013, 8, e71372.	1.1	11
97	Abnormal iron delivery to the bone marrow in neonatal hypotransferrinemic mice. <i>BioMetals</i> , 2002, 15, 33-36.	1.8	10
98	Differential effects of zinc influx via AMPA/kainate receptor activation on subsequent induction of hippocampal CA1 LTP components. <i>Brain Research</i> , 2010, 1354, 188-195.	1.1	10
99	Significance of Low Nanomolar Concentration of Zn ²⁺ in Artificial Cerebrospinal Fluid. <i>Molecular Neurobiology</i> , 2017, 54, 2477-2482.	1.9	10
100	Extracellular Zn ²⁺ -Dependent Amyloid- β ¹⁻⁴² Neurotoxicity in Alzheimer's Disease Pathogenesis. <i>Biological Trace Element Research</i> , 2021, 199, 53-61.	1.9	10
101	Involvement of amygdalar extracellular zinc in rat behavior for passive avoidance. <i>Neuroscience Letters</i> , 2004, 358, 119-122.	1.0	9
102	Regulation of extracellular Zn ²⁺ homeostasis in the hippocampus as a therapeutic target for Alzheimer's disease. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 1051-1058.	1.5	9
103	Blockade of intracellular Zn ²⁺ signaling in the basolateral amygdala affects object recognition memory via attenuation of dentate gyrus LTP. <i>Neurochemistry International</i> , 2017, 108, 1-6.	1.9	9
104	Weakened Intracellular Zn ²⁺ -Buffering in the Aged Dentate Gyrus and Its Involvement in Erasure of Maintained LTP. <i>Molecular Neurobiology</i> , 2018, 55, 3856-3865.	1.9	9
105	Age-Dependent Modification of Intracellular Zn ²⁺ Buffering in the Hippocampus and Its Impact. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1070-1075.	0.6	9
106	Extracellular Zn ²⁺ -independently attenuated LTP by human amyloid β ¹⁻⁴⁰ and rat amyloid β ¹⁻⁴² . <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 888-892.	1.0	9
107	Intake of Heated Leaf Extract of <i>Coriandrum sativum</i> Contributes to Resistance to Oxidative Stress via Decreases in Heavy Metal Concentrations in the Kidney. <i>Plant Foods for Human Nutrition</i> , 2019, 74, 204-209.	1.4	9
108	The Expression of Relaxin-3 in Adipose Tissue and its Effects on Adipogenesis. <i>Protein and Peptide Letters</i> , 2014, 21, 517-522.	0.4	9

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109	Involvement of intracellular Zn ²⁺ signaling in LTP at perforant pathway CA1 pyramidal cell synapse. <i>Hippocampus</i> , 2017, 27, 777-783.	0.9	8
110	Age-related vulnerability to nigral dopaminergic degeneration in rats via Zn ²⁺ -permeable GluR2-lacking AMPA receptor activation. <i>NeuroToxicology</i> , 2021, 83, 69-76.	1.4	8
111	Elimination of zinc-65 from the brain under kainate-induced seizures. <i>BioMetals</i> , 2004, 17, 141-144.	1.8	7
112	Release of amino acids by zinc in the hippocampus. <i>Brain Research Bulletin</i> , 2004, 63, 253-257.	1.4	7
113	Zinc release in the lateral nucleus of the amygdala by stimulation of the entorhinal cortex. <i>Brain Research</i> , 2006, 1118, 52-57.	1.1	7
114	Innervation from the entorhinal cortex to the dentate gyrus and the vulnerability to Zn ²⁺ . <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 38, 19-23.	1.5	7
115	Is Vulnerability of the Dentate Gyrus to Aging and Amyloid- β_{1-42} Neurotoxicity Linked with Modified Extracellular Zn ²⁺ Dynamics?. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 995-1000.	0.6	7
116	Isoproterenol, an adrenergic β_2 receptor agonist, induces metallothionein synthesis followed by canceling amyloid β_{1-42} -induced neurodegeneration. <i>BioMetals</i> , 2022, 35, 303-312.	1.8	7
117	Rapid Intracellular Zn ²⁺ Dysregulation via Membrane Corticosteroid Receptor Activation Affects In Vivo CA1 LTP. <i>Molecular Neurobiology</i> , 2019, 56, 1356-1365.	1.9	6
118	Difference in ability for extracellular Zn ²⁺ influx between human and rat amyloid β_{1-42} and its significance. <i>NeuroToxicology</i> , 2019, 72, 1-5.	1.4	6
119	New insight into Parkinson's disease pathogenesis from reactive oxygen species-mediated extracellular Zn ²⁺ influx. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 61, 126545.	1.5	6
120	Dehydroeffusol Rescues Amyloid β_{25-35} -Induced Spatial Working Memory Deficit. <i>Plant Foods for Human Nutrition</i> , 2020, 75, 279-282.	1.4	6
121	Change of zinc uptake under growth arrest and apoptosis. <i>Anticancer Research</i> , 2004, 24, 3869-74.	0.5	6
122	Enhancement of hippocampal mossy fiber activity in zinc deficiency and its influence on behavior. <i>BioMetals</i> , 2008, 21, 545-552.	1.8	5
123	Vulnerability to Seizures Induced by Potassium Dyshomeostasis in the Hippocampus in Aged Rats. <i>Journal of Health Science</i> , 2008, 54, 37-42.	0.9	5
124	Adrenergic β_2 receptor activation in the basolateral amygdala, which is intracellular Zn ²⁺ -dependent, rescues amyloid β_{1-42} -induced attenuation of dentate gyrus LTP. <i>Neurochemistry International</i> , 2018, 120, 43-48.	1.9	5
125	Yokukansan, a Herbal Medicine in Japan, Buffers Social Crowding Stress & Ameliorating Glucocorticoid Secretion Response to Vasopressin. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 920-924.	0.6	5
126	Amyloid β_{1-42} -Induced Rapid Zn ²⁺ Influx into Dentate Granule Cells Attenuates Maintained LTP Followed by Retrograde Amnesia. <i>Molecular Neurobiology</i> , 2019, 56, 5041-5050.	1.9	5

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127	Adrenergic β^2 receptor activation reduces amyloid β^{1-42} -mediated intracellular Zn^{2+} toxicity in dentate granule cells followed by rescuing impairment of dentate gyrus LTP. <i>NeuroToxicology</i> , 2020, 79, 177-183.	1.4	5
128	Intracellular hydrogen peroxide produced by 6-hydroxydopamine is a trigger for nigral dopaminergic degeneration of rats via rapid influx of extracellular Zn^{2+} . <i>NeuroToxicology</i> , 2022, 89, 1-8.	1.4	5
129	Preventive effect of Ninjin-yoei-to, a Kampo medicine, on amyloid β^{1-42} -induced neurodegeneration via intracellular Zn^{2+} toxicity in the dentate gyrus. <i>Experimental Animals</i> , 2021, 70, 514-521.	0.7	4
130	Dehydroeffusol Prevents Amyloid β^{1-42} -mediated Hippocampal Neurodegeneration via Reducing Intracellular Zn^{2+} Toxicity. <i>Molecular Neurobiology</i> , 2021, 58, 3603-3613.	1.9	4
131	Preventive Effect of 3,5-dihydroxy-4-methoxybenzyl Alcohol (DHMBA) and Zinc, Components of the Pacific Oyster <i>Crassostrea gigas</i> , on Glutamatergic Neuron Activity in the Hippocampus. <i>Biological Bulletin</i> , 2015, 229, 282-288.	0.7	3
132	CA1 LTP Attenuated by Corticosterone is Canceled by Effusol via Rescuing Intracellular Zn^{2+} Dysregulation. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 975-983.	1.7	3
133	Isoproterenol injected into the basolateral amygdala rescues amyloid β^{1-42} -induced conditioned fear memory deficit via reducing intracellular Zn^{2+} toxicity. <i>Neuroscience Letters</i> , 2022, 766, 136353.	1.0	3
134	High K^+ -induced Increase in Extracellular Glutamate in Zinc Deficiency and Endogenous Zinc Action. <i>Journal of Health Science</i> , 2009, 55, 405-412.	0.9	2
135	Paraquat-induced intracellular Zn^{2+} dysregulation causes dopaminergic degeneration in the substantia nigra, but not in the striatum. <i>NeuroToxicology</i> , 2022, 90, 136-144.	1.4	2
136	Modification of hippocampal excitability in brain slices pretreated with a low nanomolar concentration of Zn^{2+} . <i>Journal of Neuroscience Research</i> , 2015, 93, 1641-1647.	1.3	1
137	Retention Period of Amyloid β^{1-42} in the Brain Extracellular Fluid as the Toxicological Determinant in Freely Moving Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1975-1978.	0.6	1
138	Foreword. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 994-994.	0.6	0
139	Involvement of isoproterenol-induced intracellular Zn^{2+} dynamics in the basolateral amygdala in conditioned fear memory. <i>BioMetals</i> , 2022, 35, 1023-1031.	1.8	0