Chihiro Tohda

List of Publications by Year
in descending order

81	3,103	186265 28	168389 53
papers	citations	h-index	g-index

85	85	85	3110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of sibiricose A5, a constituent of Polygalae Radix, on recovery of memory in the mouse model of Alzheimerâ€˜s disease. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 2-O-062.	0.0	0
2	Memory enhancement effect of saponins from Eleutherococcus senticosus leaves and bloodâ€“brain barrier-permeated saponins profiling using a pseudotargeted monitoring strategy. Food and Function, 2022, 13, 3603-3620.	4.6	10
3	Shati/Nat8l Overexpression Improves Cognitive Decline by Upregulating Neuronal Trophic Factor in Alzheimerâ€™s Disease Model Mice. Neurochemical Research, 2022, 47, 2805-2814.	3.3	2
4	Diosgenin content is a novel criterion to assess memory enhancement effect of yam extracts. Journal of Natural Medicines, 2021, 75, 207-216.	2.3	8
5	Effects of Cistanche tubulosa Wight Extract on Locomotive Syndrome: A Placebo-Controlled, Randomized, Double-Blind Study. Nutrients, 2021, 13, 264.	4.1	3
6	Recovery from spinal cord injury via M2 microglial polarization induced by Polygalae Radix. Phytomedicine, 2021, 82, 153452.	5.3	9
7	A Novel Heptapeptide, GPPGPAG Transfers to the Brain, and Ameliorates Memory Dysfunction and Dendritic Atrophy in Alzheimerâ€™s Disease Model Mice. Frontiers in Pharmacology, 2021, 12, 680652.	3.5	3
8	Horse Placental Extract Enhances Neurogenesis in the Presence of Amyloid Î². Nutrients, 2021, 13, 1672.	4.1	4
9	Skeletal muscle atrophyâ€induced hemopexin accelerates onset of cognitive impairment in Alzheimer's disease. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 2199-2210.	7.3	21
10	Intrathecal Infusion of Diosgenin during the Chronic Phase of Spinal Cord Injury Ameliorates Motor Function and Axonal Density. Neurochemical Journal, 2021, 15, 454-461.	0.5	0
11	Trigonelline recovers memory function in Alzheimerâ€™s disease model mice: evidence of brain penetration and target molecule. Scientific Reports, 2020, 10, 16424.	3.3	23
12	Recovery of motor function of chronic spinal cord injury by extracellular pyruvate kinase isoform M2 and the underlying mechanism. Scientific Reports, 2020, 10, 19475.	3.3	5
13	GRP78-Mediated Signaling Contributes to Axonal Growth Resulting in Motor Function Recovery in Spinal Cord-Injured Mice. Frontiers in Pharmacology, 2020, 11, 789.	3.5	2
14	Natural Medicines and Their Underlying Mechanisms of Prevention and Recovery from Amyloid Î²-Induced Axonal Degeneration in Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 4665.	4.1	5
15	Combined Treatment with Two Water Extracts of Eleutherococcus senticosus Leaf and Rhizome of Drynaria fortunei Enhances Cognitive Function: A Placebo-Controlled, Randomized, Double-Blind Study in Healthy Adults. Nutrients, 2020, 12, 303.	4.1	9
16	Kihito, a Traditional Japanese Kampo Medicine, Improves Cognitive Function in Alzheimerâ€™s Disease Patients. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-7.	1.2	18
17	Porcine placental extract facilitates memory and learning in aged mice. Food Science and Nutrition, 2019, 7, 2995-3005.	3.4	8
18	Cistanche tubulosa (Schenk) Wight Extract Enhances Hindlimb Performance and Attenuates Myosin Heavy Chain IId/IIx Expression in Cast-Immobilized Mice. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-10.	1.2	2

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19	Memory Enhancement by Oral Administration of Extract of Eleutherococcus senticosus Leaves and Active Compounds Transferred in the Brain. Nutrients, 2019, 11, 1142.	4.1	18
20	Naringenin promotes microglial <scp>M2</scp> polarization and <scp>AÎ²</scp> degradation enzyme expression. Phytotherapy Research, 2019, 33, 1114-1121.	5.8	53
21	Acteoside Improves Muscle Atrophy and Motor Function by Inducing New Myokine Secretion in Chronic Spinal Cord Injury. Journal of Neurotrauma, 2019, 36, 1935-1948.	3.4	15
22	Matrine promotes neural circuit remodeling to regulate motor function in a mouse model of chronic spinal cord injury. Neural Regeneration Research, 2019, 14, 1961.	3.0	8
23	Roles of Cdc42 and Rac in Bergmann glia during cerebellar corticogenesis. Experimental Neurology, 2018, 302, 57-67.	4.1	13
24	Extracellular Neuroleukin Enhances Neuroleukin Secretion From Astrocytes and Promotes Axonal Growth in vitro and in vivo. Frontiers in Pharmacology, 2018, 9, 1228.	3.5	9
25	Heat Shock Cognate 70 Inhibitor, VER-155008, Reduces Memory Deficits and Axonal Degeneration in a Mouse Model of Alzheimerâ€™s Disease. Frontiers in Pharmacology, 2018, 9, 48.	3.5	32
26	Matrine Directly Activates Extracellular Heat Shock Protein 90, Resulting in Axonal Growth and Functional Recovery in Spinal Cord Injured-Mice. Frontiers in Pharmacology, 2018, 9, 446.	3.5	24
27	Diosgenin restores AÎ²-induced axonal degeneration by reducing the expression of heat shock cognate 70 (HSC70). Scientific Reports, 2018, 8, 11707.	3.3	19
28	Acteoside-induced PKM2 secretion from skeletal muscle is associated with functional recovery of chronic spinal cord injury. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-1-33.	0.0	0
29	Diosgenin-induced reduction of HSC70 results in axonal regeneration and improvement of memory function in a mouse model of Alzheimer's disease. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-37.	0.0	0
30	A Novel Rac1-GSPT1 Signaling Pathway Controls Astrogliosis Following Central Nervous System Injury. Journal of Biological Chemistry, 2017, 292, 1240-1250.	3.4	28
31	Extracellular Cytosolic Aspartate Aminotransferase Promotes Axonal Growth and Object Recognition Memory. Neurochemical Research, 2017, 42, 3465-3473.	3.3	4
32	Human placenta extract ameliorates memory dysfunction and dendritic atrophy in a <scp>5XFAD</scp> mouse model of <scp>A</scp>lzheimer's disease. Traditional & Kampo Medicine, 2017, 4, 94-104.	0.6	7
33	A Systematic Strategy for Discovering a Therapeutic Drug for Alzheimerâ€™s Disease and Its Target Molecule. Frontiers in Pharmacology, 2017, 8, 340.	3.5	69
34	Polygalae Radix Extract Prevents Axonal Degeneration and Memory Deficits in a Transgenic Mouse Model of Alzheimerâ€™s Disease. Frontiers in Pharmacology, 2017, 8, 805.	3.5	34
35	Diosgenin-Rich Yam Extract Enhances Cognitive Function: A Placebo-Controlled, Randomized, Double-Blind, Crossover Study of Healthy Adults. Nutrients, 2017, 9, 1160.	4.1	45
36	Extracellular cathepsin L stimulates axonal growth in neurons. BMC Research Notes, 2017, 10, 613.	1.4	11

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37	The Extract of Roots of Sophora flavescens Enhances the Recovery of Motor Function by Axonal Growth in Mice with a Spinal Cord Injury. Frontiers in Pharmacology, 2016, 6, 326.	3.5	17
38	Cytosolic aspartate aminotransferase, a direct binding protein of kamikihito, regulates axon growth. Traditional & Kampo Medicine, 2016, 3, 41-49.	0.6	2
39	New Age Therapy for Alzheimerâ€™s Disease by Neuronal Network Reconstruction. Biological and Pharmaceutical Bulletin, 2016, 39, 1569-1575.	1.4	16
40	Effects of Oleanane-Type Triterpene Saponins from the Leaves of Eleutherococcus senticosus in an Axonal Outgrowth Assay. Journal of Natural Products, 2016, 79, 1834-1841.	3.0	20
41	Extracellular vimentin is a novel axonal growth facilitator for functional recovery in spinal cord-injured mice. Scientific Reports, 2016, 6, 28293.	3.3	39
42	Extracellular vimentin interacts with insulin-like growth factor 1 receptor to promote axonal growth. Scientific Reports, 2015, 5, 12055.	3.3	55
43	Comparing the Effects of Kamikihito in Japan and Kami-Guibi-Tang in Korea on Memory Enhancement: Working Towards the Development of a Global Study. Phytotherapy Research, 2015, 29, 351-356.	5.8	4
44	Synthesis of Denosominâ€“Vitamin D3 Hybrids and Evaluation of Their Anti-Alzheimerâ€™s Disease Activities. Organic Letters, 2015, 17, 5910-5913.	4.6	10
45	Inhibition of clathrin-mediated endocytosis prevents amyloid Î²-induced axonal damage. Neurobiology of Aging, 2015, 36, 1808-1819.	3.1	21
46	Active Constituents from Drynaria fortunei Rhizomes on the Attenuation of Aβ_{25–35}-Induced Axonal Atrophy. Journal of Natural Products, 2015, 78, 2297-2300.	3.0	28
47	New Treatment for Alzheimerâ€™s Disease, Kamikihito, Reverses Amyloid-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi mathvariant="bold-italic">β</mml:mi></mml:mrow></mml:math>-Induced Progression of Tau Phosphorylation and Axonal Atrophy. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-12.	1.2	21
48	Synthesis of long-chain fatty acid derivatives as a novel anti-Alzheimerâ€™s agent. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 604-608.	2.2	7
49	New reliable scoring system, Toyama mouse score, to evaluate locomotor function following spinal cord injury in mice. BMC Research Notes, 2014, 7, 332.	1.4	22
50	Effects of Ashwagandha (Roots of <i>Withania somnifera</i>) on Neurodegenerative Diseases. Biological and Pharmaceutical Bulletin, 2014, 37, 892-897.	1.4	99
51	A novel compound, denosomin, ameliorates spinal cord injury via axonal growth associated with astrocyteâ€secreted vimentin. British Journal of Pharmacology, 2013, 168, 903-919.	5.4	53
52	Diosgenin-induced cognitive enhancement in normal mice is mediated by 1,25D3-MARRS. Scientific Reports, 2013, 3, 3395.	3.3	45
53	Epimedium koreanumExtract and Its Constituent Icariin Improve Motor Dysfunction in Spinal Cord Injury. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-6.	1.2	18
54	Diosgenin is an exogenous activator of 1,25D3-MARRS/Pdia3/ERp57 and improves Alzheimer's disease pathologies in 5XFAD mice. Scientific Reports, 2012, 2, 535.	3.3	129

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55	Synthesis of dihydrofuran-fused perhydrophenanthrenes having a phenolic hydroxyl group as a novel anti-Alzheimerâ€™s disease agent. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 449-452.	2.2	27
56	Current and future therapeutic strategies for functional repair of spinal cord injury. , 2011, 132, 57-71.		81
57	Sominone Improves Memory Impairments and Increases Axonal Density in Alzheimer's Disease Model Mice, 5XFAD. International Journal of Neuroscience, 2011, 121, 181-190.	1.6	27
58	Kamikihi-to (KKT) Rescues Axonal and Synaptic Degeneration Associated with Memory Impairment in a Mouse Model of Alzheimer's Disease, 5XFAD. International Journal of Neuroscience, 2011, 121, 641-648.	1.6	39
59	Icariin improves memory impairment in Alzheimer's disease model mice (5xFAD) and attenuates amyloid Î²â€induced neurite atrophy. Phytotherapy Research, 2010, 24, 1658-1663.	5.8	93
60	Hyperactivity, memory deficit and anxiety-related behaviors in mice lacking the p85Î± subunit of phosphoinositide-3 kinase. Brain and Development, 2009, 31, 69-74.	1.1	22
61	Sominone enhances neurite outgrowth and spatial memory mediated by the neurotrophic factor receptor, RET. British Journal of Pharmacology, 2009, 157, 1427-1440.	5.4	49
62	Synthesis of Sominone and Its Derivatives Based on an RCM Strategy: Discovery of A Novel Anti-Alzheimerâ€™s Disease Medicine Candidate â€œDenosominâ€. Organic Letters, 2009, 11, 3970-3973.	4.6	32
63	Kihi-to, a herbal traditional medicine, improves Abeta(25â€“35)-induced memory impairment and losses of neurites and synapses. BMC Complementary and Alternative Medicine, 2008, 8, 49.	3.7	30
64	Inhibitory Effects of Eleutherococcus senticosus Extracts on Amyloid Î²(25-35)â€“Induced Neuritic Atrophy and Synaptic Loss. Journal of Pharmacological Sciences, 2008, 107, 329-339.	2.5	41
65	Withanoside IV improves hindlimb function by facilitating axonal growth and increase in peripheral nervous system myelin level after spinal cord injury. Neuroscience Research, 2007, 58, 176-182.	1.9	13
66	Characterization of Anti-neurodegenerative Effects of Polygala tenuifolia in A.BETA.(25-35)-Treated Cortical Neurons. Biological and Pharmaceutical Bulletin, 2006, 29, 1892-1896.	1.4	62
67	Withanoside IV and its active metabolite, sominone, attenuate Aβ(25â€“35)â€induced neurodegeneration. European Journal of Neuroscience, 2006, 23, 1417-1426.	2.6	132
68	Learning Deficits and Agenesis of Synapses and Myelinated Axons in Phosphoinositide-3 Kinase-Deficient Mice. NeuroSignals, 2006, 15, 293-306.	0.9	19
69	Metabolite 1 of Protopanaxadiol-Type Saponins, an Axonal Regenerative Factor, Stimulates Teneurin-2 Linked by PI3-Kinase Cascade. Neuropsychopharmacology, 2006, 31, 1158-1164.	5.4	16
70	Neuritic regeneration and synaptic reconstruction induced by withanolide A. British Journal of Pharmacology, 2005, 144, 961-971.	5.4	259
71	Search for Natural Products Related to Regeneration of the Neuronal Network. NeuroSignals, 2005, 14, 34-45.	0.9	222
72	Aβ(25â€“35)-Induced Memory Impairment, Axonal Atrophy, and Synaptic Loss are Ameliorated by M1, A Metabolite of Protopanaxadiol-Type Saponins. Neuropsychopharmacology, 2004, 29, 860-868.	5.4	136

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73	Repair of amyloid Î²(25â€“35)-induced memory impairment and synaptic loss by a Kampo formula, Zokumei-to. Brain Research, 2003, 990, 141-147.	2.2	54
74	Comprehensive identifying method for localized mRNAs in single neuronal axons. Journal of Proteomics, 2003, 57, 57-63.	2.4	1
75	Axonal and Dendritic Extension by Protopanaxadiol-Type Saponins From Ginseng Drugs in SK-N-SH Cells. The Japanese Journal of Pharmacology, 2002, 90, 254-262.	1.2	41
76	Withanolide Derivatives from the Roots of Withania somnifera and Their Neurite Outgrowth Activities.. Chemical and Pharmaceutical Bulletin, 2002, 50, 760-765.	1.3	165
77	Axon- or dendrite-predominant outgrowth induced by constituents from Ashwagandha. NeuroReport, 2002, 13, 1715-1720.	1.2	117
78	Axonal transport of VR1 capsaicin receptor mRNA in primary afferents and its participation in inflammation-induced increase in capsaicin sensitivity. Journal of Neurochemistry, 2001, 76, 1628-1635.	3.9	122
79	Dendrite extension by methanol extract of Ashwagandha (roots of Withania somnifera) in SK-N-SH cells. NeuroReport, 2000, 11, 1981-1985.	1.2	89
80	Inhibitory effect of Byakko-ka-ninjin-to on itch in a mouse model of atopic dermatitis. , 2000, 14, 192-194.		13
81	Trigonelline-Induced Neurite Outgrowth in Human Neuroblastoma SK-N-SH Cells.. Biological and Pharmaceutical Bulletin, 1999, 22, 679-682.	1.4	58