

Chihiro Tohda

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

3,103
citations

186265

28
h-index

168389

53
g-index

85
all docs

85
docs citations

85
times ranked

3110
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuritic regeneration and synaptic reconstruction induced by withanolide A. <i>British Journal of Pharmacology</i> , 2005, 144, 961-971.	5.4	259
2	Search for Natural Products Related to Regeneration of the Neuronal Network. <i>NeuroSignals</i> , 2005, 14, 34-45.	0.9	222
3	Withanolide Derivatives from the Roots of <i>Withania somnifera</i> and Their Neurite Outgrowth Activities.. <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 760-765.	1.3	165
4	A β (25-35)-Induced Memory Impairment, Axonal Atrophy, and Synaptic Loss are Ameliorated by M1, A Metabolite of Protopanaxadiol-Type Saponins. <i>Neuropsychopharmacology</i> , 2004, 29, 860-868.	5.4	136
5	Withanoside IV and its active metabolite, sominone, attenuate A β (25-35)-induced neurodegeneration. <i>European Journal of Neuroscience</i> , 2006, 23, 1417-1426.	2.6	132
6	Diosgenin is an exogenous activator of 1,25D3-MARRS/Pdia3/ERp57 and improves Alzheimer's disease pathologies in 5XFAD mice. <i>Scientific Reports</i> , 2012, 2, 535.	3.3	129
7	Axonal transport of VR1 capsaicin receptor mRNA in primary afferents and its participation in inflammation-induced increase in capsaicin sensitivity. <i>Journal of Neurochemistry</i> , 2001, 76, 1628-1635.	3.9	122
8	Axon- or dendrite-predominant outgrowth induced by constituents from Ashwagandha. <i>NeuroReport</i> , 2002, 13, 1715-1720.	1.2	117
9	Effects of Ashwagandha (Roots of <i>Withania somnifera</i>) on Neurodegenerative Diseases. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 892-897.	1.4	99
10	Icariin improves memory impairment in Alzheimer's disease model mice (5xFAD) and attenuates amyloid β -induced neurite atrophy. <i>Phytotherapy Research</i> , 2010, 24, 1658-1663.	5.8	93
11	Dendrite extension by methanol extract of Ashwagandha (roots of <i>Withania somnifera</i>) in SK-N-SH cells. <i>NeuroReport</i> , 2000, 11, 1981-1985.	1.2	89
12	Current and future therapeutic strategies for functional repair of spinal cord injury. , 2011, 132, 57-71.		81
13	A Systematic Strategy for Discovering a Therapeutic Drug for Alzheimer's Disease and Its Target Molecule. <i>Frontiers in Pharmacology</i> , 2017, 8, 340.	3.5	69
14	Characterization of Anti-neurodegenerative Effects of <i>Polygala tenuifolia</i> in A β (25-35)-Treated Cortical Neurons. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 1892-1896.	1.4	62
15	Trigonelline-Induced Neurite Outgrowth in Human Neuroblastoma SK-N-SH Cells.. <i>Biological and Pharmaceutical Bulletin</i> , 1999, 22, 679-682.	1.4	58
16	Extracellular vimentin interacts with insulin-like growth factor 1 receptor to promote axonal growth. <i>Scientific Reports</i> , 2015, 5, 12055.	3.3	55
17	Repair of amyloid β (25-35)-induced memory impairment and synaptic loss by a Kampo formula, Zokumei-to. <i>Brain Research</i> , 2003, 990, 141-147.	2.2	54
18	A novel compound, denosomin, ameliorates spinal cord injury via axonal growth associated with astrocyte-secreted vimentin. <i>British Journal of Pharmacology</i> , 2013, 168, 903-919.	5.4	53

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19	Naringenin promotes microglial M2 polarization and β -secretase degradation enzyme expression. <i>Phytotherapy Research</i> , 2019, 33, 1114-1121.	5.8	53
20	Sominone enhances neurite outgrowth and spatial memory mediated by the neurotrophic factor receptor, RET. <i>British Journal of Pharmacology</i> , 2009, 157, 1427-1440.	5.4	49
21	Diosgenin-induced cognitive enhancement in normal mice is mediated by 1,25D3-MARRS. <i>Scientific Reports</i> , 2013, 3, 3395.	3.3	45
22	Diosgenin-Rich Yam Extract Enhances Cognitive Function: A Placebo-Controlled, Randomized, Double-Blind, Crossover Study of Healthy Adults. <i>Nutrients</i> , 2017, 9, 1160.	4.1	45
23	Axonal and Dendritic Extension by Protopanaxadiol-Type Saponins From Ginseng Drugs in SK-N-SH Cells. <i>The Japanese Journal of Pharmacology</i> , 2002, 90, 254-262.	1.2	41
24	Inhibitory Effects of <i>Eleutherococcus senticosus</i> Extracts on Amyloid β (25-35)-Induced Neuritic Atrophy and Synaptic Loss. <i>Journal of Pharmacological Sciences</i> , 2008, 107, 329-339.	2.5	41
25	Kamikihito (KKT) Rescues Axonal and Synaptic Degeneration Associated with Memory Impairment in a Mouse Model of Alzheimer's Disease, 5XFAD. <i>International Journal of Neuroscience</i> , 2011, 121, 641-648.	1.6	39
26	Extracellular vimentin is a novel axonal growth facilitator for functional recovery in spinal cord-injured mice. <i>Scientific Reports</i> , 2016, 6, 28293.	3.3	39
27	<i>Polygalae Radix</i> Extract Prevents Axonal Degeneration and Memory Deficits in a Transgenic Mouse Model of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2017, 8, 805.	3.5	34
28	Synthesis of Sominone and Its Derivatives Based on an RCM Strategy: Discovery of A Novel Anti-Alzheimer's Disease Medicine Candidate <i>Denosomin</i> . <i>Organic Letters</i> , 2009, 11, 3970-3973.	4.6	32
29	Heat Shock Cognate 70 Inhibitor, VER-155008, Reduces Memory Deficits and Axonal Degeneration in a Mouse Model of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2018, 9, 48.	3.5	32
30	Kihito, a herbal traditional medicine, improves $\text{A}\beta$ (25-35)-induced memory impairment and losses of neurites and synapses. <i>BMC Complementary and Alternative Medicine</i> , 2008, 8, 49.	3.7	30
31	Active Constituents from <i>Drynaria fortunei</i> Rhizomes on the Attenuation of $\text{A}\beta$ (25-35)-Induced Axonal Atrophy. <i>Journal of Natural Products</i> , 2015, 78, 2297-2300.	3.0	28
32	A Novel Rac1-GSPT1 Signaling Pathway Controls Astroglialosis Following Central Nervous System Injury. <i>Journal of Biological Chemistry</i> , 2017, 292, 1240-1250.	3.4	28
33	Sominone Improves Memory Impairments and Increases Axonal Density in Alzheimer's Disease Model Mice, 5XFAD. <i>International Journal of Neuroscience</i> , 2011, 121, 181-190.	1.6	27
34	Synthesis of dihydrofuran-fused perhydrophenanthrenes having a phenolic hydroxyl group as a novel anti-Alzheimer's disease agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 449-452.	2.2	27
35	Matrine Directly Activates Extracellular Heat Shock Protein 90, Resulting in Axonal Growth and Functional Recovery in Spinal Cord Injured-Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 446.	3.5	24
36	Trigonelline recovers memory function in Alzheimer's disease model mice: evidence of brain penetration and target molecule. <i>Scientific Reports</i> , 2020, 10, 16424.	3.3	23

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37	Hyperactivity, memory deficit and anxiety-related behaviors in mice lacking the p85 β subunit of phosphoinositide-3 kinase. <i>Brain and Development</i> , 2009, 31, 69-74.	1.1	22
38	New reliable scoring system, Toyama mouse score, to evaluate locomotor function following spinal cord injury in mice. <i>BMC Research Notes</i> , 2014, 7, 332.	1.4	22
39	New Treatment for Alzheimer's Disease, Kamikihito, Reverses Amyloid- β -Induced Progression of Tau Phosphorylation and Axonal Atrophy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-10.	1.2	21
40	Inhibition of clathrin-mediated endocytosis prevents amyloid β -induced axonal damage. <i>Neurobiology of Aging</i> , 2015, 36, 1808-1819.	3.1	21
41	Skeletal muscle atrophy-induced hemopexin accelerates onset of cognitive impairment in Alzheimer's disease. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 2199-2210.	7.3	21
42	Effects of Oleanane-Type Triterpene Saponins from the Leaves of <i>Eleutherococcus senticosus</i> in an Axonal Outgrowth Assay. <i>Journal of Natural Products</i> , 2016, 79, 1834-1841.	3.0	20
43	Learning Deficits and Agenesis of Synapses and Myelinated Axons in Phosphoinositide-3 Kinase-Deficient Mice. <i>NeuroSignals</i> , 2006, 15, 293-306.	0.9	19
44	Diosgenin restores β -induced axonal degeneration by reducing the expression of heat shock cognate 70 (HSC70). <i>Scientific Reports</i> , 2018, 8, 11707.	3.3	19
45	<i>Epimedium koreanum</i> Extract and Its Constituent Icaria Improve Motor Dysfunction in Spinal Cord Injury. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-6.	1.2	18
46	Kihito, a Traditional Japanese Kampo Medicine, Improves Cognitive Function in Alzheimer's Disease Patients. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-7.	1.2	18
47	Memory Enhancement by Oral Administration of Extract of <i>Eleutherococcus senticosus</i> Leaves and Active Compounds Transferred in the Brain. <i>Nutrients</i> , 2019, 11, 1142.	4.1	18
48	The Extract of Roots of <i>Sophora flavescens</i> Enhances the Recovery of Motor Function by Axonal Growth in Mice with a Spinal Cord Injury. <i>Frontiers in Pharmacology</i> , 2016, 6, 326.	3.5	17
49	Metabolite 1 of Protopanaxadiol-Type Saponins, an Axonal Regenerative Factor, Stimulates Teneurin-2 Linked by PI3-Kinase Cascade. <i>Neuropsychopharmacology</i> , 2006, 31, 1158-1164.	5.4	16
50	New Age Therapy for Alzheimer's Disease by Neuronal Network Reconstruction. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 1569-1575.	1.4	16
51	Acteoside Improves Muscle Atrophy and Motor Function by Inducing New Myokine Secretion in Chronic Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 1935-1948.	3.4	15
52	Inhibitory effect of Byakko-ka-ninjin-to on itch in a mouse model of atopic dermatitis. , 2000, 14, 192-194.		13
53	Withanoside IV improves hindlimb function by facilitating axonal growth and increase in peripheral nervous system myelin level after spinal cord injury. <i>Neuroscience Research</i> , 2007, 58, 176-182.	1.9	13
54	Roles of Cdc42 and Rac in Bergmann glia during cerebellar corticogenesis. <i>Experimental Neurology</i> , 2018, 302, 57-67.	4.1	13

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55	Extracellular cathepsin L stimulates axonal growth in neurons. BMC Research Notes, 2017, 10, 613.	1.4	11
56	Synthesis of Denosominâ€“Vitamin D3 Hybrids and Evaluation of Their Anti-Alzheimerâ€™s Disease Activities. Organic Letters, 2015, 17, 5910-5913.	4.6	10
57	Memory enhancement effect of saponins from <i>Eleutherococcus senticosus</i> leaves and bloodâ€“brain barrier-permeated saponins profiling using a pseudotargeted monitoring strategy. Food and Function, 2022, 13, 3603-3620.	4.6	10
58	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
59	Recovery from spinal cord injury via M2 microglial polarization induced by Polygalae Radix. Phytomedicine, 2021, 82, 153452.	5.3	9
60	Combined Treatment with Two Water Extracts of <i>Eleutherococcus senticosus</i> Leaf and Rhizome of <i>Drynaria fortunei</i> Enhances Cognitive Function: A Placebo-Controlled, Randomized, Double-Blind Study in Healthy Adults. Nutrients, 2020, 12, 303.	4.1	9
61	Porcine placental extract facilitates memory and learning in aged mice. Food Science and Nutrition, 2019, 7, 2995-3005.	3.4	8
62	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
63	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
64	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
65	Human placenta extract ameliorates memory dysfunction and dendritic atrophy in a <i>5XFAD</i> mouse model of Alzheimer's disease. Traditional & Kampo Medicine, 2017, 4, 94-104.	0.6	7
66	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
67	Natural Medicines and Their Underlying Mechanisms of Prevention and Recovery from Amyloid β -Induced Axonal Degeneration in Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 4665.	4.1	5
68	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
69	Extracellular Cytosolic Aspartate Aminotransferase Promotes Axonal Growth and Object Recognition Memory. Neurochemical Research, 2017, 42, 3465-3473.	3.3	4
70	Horse Placental Extract Enhances Neurogenesis in the Presence of Amyloid β . Nutrients, 2021, 13, 1672.	4.1	4
71	Effects of <i>Cistanche tubulosa</i> Wight Extract on Locomotive Syndrome: A Placebo-Controlled, Randomized, Double-Blind Study. Nutrients, 2021, 13, 264.	4.1	3
72	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

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73	Cytosolic aspartate aminotransferase, a direct binding protein of kamikihito, regulates axon growth. <i>Traditional & Kampo Medicine</i> , 2016, 3, 41-49.	0.6	2
74	<i>Cistanche tubulosa</i> (Schenk) Wight Extract Enhances Hindlimb Performance and Attenuates Myosin Heavy Chain IId/IIx Expression in Cast-Immobilized Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-10.	1.2	2
75	GRP78-Mediated Signaling Contributes to Axonal Growth Resulting in Motor Function Recovery in Spinal Cord-Injured Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 789.	3.5	2
76	Shati/Nat8l Overexpression Improves Cognitive Decline by Upregulating Neuronal Trophic Factor in Alzheimer's Disease Model Mice. <i>Neurochemical Research</i> , 2022, 47, 2805-2814.	3.3	2
77	Comprehensive identifying method for localized mRNAs in single neuronal axons. <i>Journal of Proteomics</i> , 2003, 57, 57-63.	2.4	1
78	Acteoside-induced PKM2 secretion from skeletal muscle is associated with functional recovery of chronic spinal cord injury. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO2-1-33.	0.0	0
79	Diosgenin-induced reduction of HSC70 results in axonal regeneration and improvement of memory function in a mouse model of Alzheimer's disease. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-1-37.	0.0	0
80	Intrathecal Infusion of Diosgenin during the Chronic Phase of Spinal Cord Injury Ameliorates Motor Function and Axonal Density. <i>Neurochemical Journal</i> , 2021, 15, 454-461.	0.5	0
81	Effects of sibiricose A5, a constituent of <i>Polygalae Radix</i> , on recovery of memory in the mouse model of Alzheimer's disease. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2022, 95, 2-O-062.	0.0	0