## Jong Hoon Ryu

List of Publications by Year in descending order

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117 papers	2,996 citations	30 h-index	233338 45 g-index
119	119	119	4187
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Gomisin A improves scopolamine-induced memory impairment in mice. European Journal of Pharmacology, 2006, 542, 129-135.	1.7	111
2	Hwangryun-Hae-Dok-tang (Huanglian-Jie-Du-Tang) extract and its constituents reduce ischemia-reperfusion brain injury and neutrophil infiltration in rats. Life Sciences, 2002, 71, 2105-2117.	2.0	99
3	Activation of Glucagon-Like Peptide-1 Receptor Promotes Neuroprotection in Experimental Autoimmune Encephalomyelitis by Reducing Neuroinflammatory Responses. Molecular Neurobiology, 2018, 55, 3007-3020.	1.9	73
4	Toll-like receptor-2 deficiency induces schizophrenia-like behaviors in mice. Scientific Reports, 2015, 5, 8502.	1.6	72
5	Effect of the flavonoid, oroxylin A, on transient cerebral hypoperfusion-induced memory impairment in mice. Pharmacology Biochemistry and Behavior, 2006, 85, 658-668.	1.3	71
6	The effects of acute and repeated oroxylin A treatments on Aβ25–35-induced memory impairment in mice. Neuropharmacology, 2008, 55, 639-647.	2.0	67
7	Direct pharmacological Akt activation rescues Alzheimer's disease like memory impairments and aberrant synaptic plasticity. Neuropharmacology, 2018, 128, 282-292.	2.0	66
8	The neuroprotective effects of the seeds of Cassia obtusifolia on transient cerebral global ischemia in mice. Food and Chemical Toxicology, 2009, 47, 1473-1479.	1.8	62
9	Ameliorating effect of spinosin, a C-glycoside flavonoid, on scopolamine-induced memory impairment in mice. Pharmacology Biochemistry and Behavior, 2014, 120, 88-94.	1.3	62
10	Tanshinone I enhances learning and memory, and ameliorates memory impairment in mice via the extracellular signalâ€regulated kinase signalling pathway. British Journal of Pharmacology, 2009, 158, 1131-1142.	2.7	59
11	The memory ameliorating effects of INM-176, an ethanolic extract of Angelica gigas, against scopolamine- or Aβ1–42-induced cognitive dysfunction in mice. Journal of Ethnopharmacology, 2012, 143, 611-620.	2.0	56
12	Eupatilin exerts neuroprotective effects in mice with transient focal cerebral ischemia by reducing microglial activation. PLoS ONE, 2017, 12, e0171479.	1.1	56
13	Oleanolic acid attenuates MK-801-induced schizophrenia-like behaviors in mice. Neuropharmacology, 2014, 86, 49-56.	2.0	55
14	Spinosin, a C-glycoside flavonoid, enhances cognitive performance and adult hippocampal neurogenesis in mice. Pharmacology Biochemistry and Behavior, 2016, 145, 9-16.	1.3	55
15	Depletion of intracellular glutathione mediates zinc-induced cell death in rat primary astrocytes. Experimental Brain Research, 2002, 143, 257-263.	0.7	52
16	Effects of allantoin on cognitive function and hippocampal neurogenesis. Food and Chemical Toxicology, 2014, 64, 210-216.	1.8	50
17	MeCP2 Modulates Sex Differences in the Postsynaptic Development of the Valproate Animal Model of Autism. Molecular Neurobiology, 2016, 53, 40-56.	1.9	49
18	Neuroprotective effect of forsythiaside against transient cerebral global ischemia in gerbil. European Journal of Pharmacology, 2011, 660, 326-333.	1.7	47

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19	Anxiolytic effects of the aqueous extract of Uncaria rhynchophylla. Journal of Ethnopharmacology, 2006, 108, 193-197.	2.0	46
20	Antidepressant-like activity of the aqueous extract of Allium macrostemon in mice. Journal of Ethnopharmacology, 2010, 131, 386-395.	2.0	46
21	Spinosin, a C-Glucosylflavone, from Zizyphus jujuba var. spinosa Ameliorates Aβ1–42 Oligomer-Induced Memory Impairment in Mice. Biomolecules and Therapeutics, 2015, 23, 156-164.	1.1	44
22	Oriental Medicine Kyung-Ok-Ko Prevents and Alleviates Dehydroepiandrosterone-Induced Polycystic Ovarian Syndrome in Rats. PLoS ONE, 2014, 9, e87623.	1.1	42
23	Anxiolytic-like effects of extracts from Albizzia julibrissin bark in the elevated plus-maze in rats. Life Sciences, 2004, 75, 2787-2795.	2.0	41
24	Exogenous S1P Exposure Potentiates Ischemic Stroke Damage That Is Reduced Possibly by Inhibiting S1P Receptor Signaling. Mediators of Inflammation, 2015, 2015, 1-12.	1.4	40
25	Cassia obtusifolia seed ameliorates amyloid $\hat{l}^2$ -induced synaptic dysfunction through anti-inflammatory and Akt/GSK-3 $\hat{l}^2$ pathways. Journal of Ethnopharmacology, 2016, 178, 50-57.	2.0	40
26	Oleanolic acid ameliorates cognitive dysfunction caused by cholinergic blockade via TrkB-dependent BDNF signaling. Neuropharmacology, 2017, 113, 100-109.	2.0	38
27	Microglial activation and tyrosine hydroxylase immunoreactivity in the substantia nigral region following transient focal ischemia in rats. Neuroscience Letters, 2003, 349, 63-67.	1.0	37
28	The memory-enhancing effect of erucic acid on scopolamine-induced cognitive impairment in mice. Pharmacology Biochemistry and Behavior, 2016, 142, 85-90.	1.3	36
29	Oroxylin A, a Flavonoid, Stimulates Adult Neurogenesis in the Hippocampal Dentate Gyrus Region of Mice. Neurochemical Research, 2010, 35, 1725-1732.	1.6	35
30	tPA Regulates Neurite Outgrowth by Phosphorylation of LRP5/6 in Neural Progenitor Cells. Molecular Neurobiology, 2014, 49, 199-215.	1.9	33
31	Synthesis of aminoalkyl-substituted aurone derivatives as acetylcholinesterase inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 231-240.	1.4	31
32	Sub-chronic administration of rimonabant causes loss of antidepressive activity and decreases doublecortin immunoreactivity in the mouse hippocampus. Neuroscience Letters, 2009, 467, 111-116.	1.0	29
33	Maslinic acid ameliorates NMDA receptor blockade-induced schizophrenia-like behaviors in mice. Neuropharmacology, 2017, 126, 168-178.	2.0	29
34	Distinct roles of the hippocampus and perirhinal cortex in GABAA receptor blockade-induced enhancement of object recognition memory. Brain Research, 2014, 1552, 17-25.	1.1	28
35	Anxiolytic-like effect of danshensu [(3-(3,4-dihydroxyphenyl)-lactic acid)] in mice. Life Sciences, 2014, 101, 73-78.	2.0	28
36	Nodakenin Enhances Cognitive Function and Adult Hippocampal Neurogenesis in Mice. Neurochemical Research, 2015, 40, 1438-1447.	1.6	28

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37	High sucrose consumption during pregnancy induced ADHD-like behavioral phenotypes in mice offspring. Journal of Nutritional Biochemistry, 2015, 26, 1520-1526.	1.9	28
38	The ethanolic extract of the Eclipta prostrata L. ameliorates the cognitive impairment in mice induced by scopolamine. Journal of Ethnopharmacology, 2016, 190, 165-173.	2.0	28
39	Swertisin, a C-glucosylflavone, ameliorates scopolamine-induced memory impairment in mice with its adenosine A1 receptor antagonistic property. Behavioural Brain Research, 2016, 306, 137-145.	1.2	28
40	Matrix Metalloproteinase-8 is a Novel Pathogenetic Factor in Focal Cerebral Ischemia. Molecular Neurobiology, 2016, 53, 231-239.	1.9	28
41	Ursolic acid enhances pentobarbital-induced sleeping behaviors via GABAergic neurotransmission in mice. European Journal of Pharmacology, 2015, 762, 443-448.	1.7	27
42	Infliximab ameliorates AD-associated object recognition memory impairment. Behavioural Brain Research, 2016, 311, 384-391.	1,2	27
43	The effect of fecal microbiota transplantation on autistic-like behaviors in Fmr1 KO mice. Life Sciences, 2020, 262, 118497.	2.0	27
44	GSK- $3\hat{l}^2$ activity in the hippocampus is required for memory retrieval. Neurobiology of Learning and Memory, 2012, 98, 122-129.	1.0	26
45	Effects of ginseol k-g3, an Rg3-enriched fraction, on scopolamine-induced memory impairment and learning deficit in mice. Journal of Ginseng Research, 2014, 38, 1-7.	3.0	26
46	Immunostimulatory effects of polysaccharides isolated from young barley leaves (Hordeum vulgare) Tj ETQq0 0 immunosuppressed mice. International Journal of Biological Macromolecules, 2020, 147, 954-964.	0 rgBT /Ov 3.6	verlock 10 Tf 5 26
47	The effects of daidzin and its aglycon, daidzein, on the scopolamineinduced memory impairment in male mice. Archives of Pharmacal Research, 2010, 33, 1685-1690.	2.7	25
48	Effects of Sun Ginseng on Memory Enhancement and Hippocampal Neurogenesis. Phytotherapy Research, 2013, 27, 1293-1299.	2.8	25
49	Casticin ameliorates scopolamine-induced cognitive dysfunction in mice. Journal of Ethnopharmacology, 2020, 259, 112843.	2.0	25
50	Exogenous insulin-like growth factor 2 administration enhances memory consolidation and persistence in a time-dependent manner. Brain Research, 2015, 1622, 466-473.	1.1	24
51	The n-butanolic extract of Opuntia ficus-indica var. saboten enhances long-term memory in the passive avoidance task in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 1011-1017.	2.5	23
52	Synthesis of aminoalkyl-substituted coumarin derivatives as acetylcholinesterase inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 1262-1267.	1.4	23
53	Cognitive Ameliorating Effect of <i> Acanthopanax koreanum &lt; /i &gt; Against Scopolamine-Induced Memory Impairment in Mice. Phytotherapy Research, 2017, 31, 425-432.</i>	2.8	23
54	Oroxylin A enhances memory consolidation through the brain-derived neurotrophic factor in mice. Brain Research Bulletin, 2014, 108, 67-73.	1.4	22

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55	Cigarette smoke exposure during adolescence enhances sensitivity to the rewarding effects of nicotine in adulthood, even after a long period of abstinence. Neuropharmacology, 2015, 99, 9-14.	2.0	21
56	Green tea extract containing enhanced levels of epimerized catechins attenuates scopolamine-induced memory impairment in mice. Journal of Ethnopharmacology, 2020, 258, 112923.	2.0	21
57	<i>Schizandra chinensis</i> and <i>Scutellaria baicalensis</i> counter stress behaviors in mice. Phytotherapy Research, 2007, 21, 1187-1192.	2.8	20
58	Mismatch between changes in baicalein-induced memory-related biochemical parameters and behavioral consequences in mouse. Brain Research, 2010, 1355, 141-150.	1.1	20
59	The ethanol extract of Zizyphus jujuba var. spinosa seeds ameliorates the memory deficits in Alzheimer's disease model mice. Journal of Ethnopharmacology, 2019, 233, 73-79.	2.0	20
60	Neuroprotective effects of INM-176 against lipopolysaccharide-induced neuronal injury. Pharmacology Biochemistry and Behavior, 2012, 101, 427-433.	1.3	19
61	The Atxn7-overexpressing mice showed hyperactivity and impulsivity which were ameliorated by atomoxetine treatment: A possible animal model of the hyperactive-impulsive phenotype of ADHD. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 88, 311-319.	2.5	19
62	Danshensu attenuates scopolamine and amyloid- $\hat{l}^2$ -induced cognitive impairments through the activation of PKA-CREB signaling in mice. Neurochemistry International, 2019, 131, 104537.	1.9	19
63	The effect of maslinic acid on cognitive dysfunction induced by cholinergic blockade in mice. British Journal of Pharmacology, 2020, 177, 3197-3209.	2.7	19
64	The effects of a standardized Acanthopanax koreanum extract on stress-induced behavioral alterations in mice. Journal of Ethnopharmacology, 2013, 148, 826-834.	2.0	18
65	Danggui-Jakyak-San enhances hippocampal long-term potentiation through the ERK/CREB/BDNF cascade. Journal of Ethnopharmacology, 2015, 175, 481-489.	2.0	18
66	Evidences of the role of the rodent hippocampus in the non-spatial recognition memory. Behavioural Brain Research, 2016, 297, 141-149.	1.2	18
67	Swertisin ameliorates pre-pulse inhibition deficits and cognitive impairment induced by MK-801 in mice. Journal of Psychopharmacology, 2017, 31, 250-259.	2.0	18
68	Maturational delay and asymmetric information flow of brain connectivity in SHR model of ADHD revealed by topological analysis of metabolic networks. Scientific Reports, 2020, 10, 3197.	1.6	18
69	Quercetin impairs learning and memory in normal mice via suppression of hippocampal phosphorylated cyclic AMP response element-binding protein expression. Toxicology Letters, 2010, 197, 97-105.	0.4	17
70	Kami-ondam-tang, a traditional herbal prescription, attenuates the prepulse inhibition deficits and cognitive impairments induced by MK-801 in mice. Journal of Ethnopharmacology, 2013, 146, 600-607.	2.0	17
71	Early-activated microglia play a role in transient forebrain ischemia-induced neural precursor proliferation in the dentate gyrus of mice. Neuroscience Letters, 2010, 475, 74-79.	1.0	16
72	Spicatoside A enhances memory consolidation through the brain-derived neurotrophic factor in mice. Neuroscience Letters, 2014, 572, 58-62.	1.0	16

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73	Methylphenidate and Atomoxetine-Responsive Prefrontal Cortical Genetic Overlaps in "Impulsive― SHR/NCrl and Wistar Rats. Behavior Genetics, 2017, 47, 564-580.	1.4	16
74	Positive effects of $\hat{l}^2$ -amyrin on pentobarbital-induced sleep in mice via GABAergic neurotransmitter system. Behavioural Brain Research, 2015, 291, 232-236.	1.2	15
75	Danggui-Jakyak-San ameliorates memory impairment and increase neurogenesis induced by transient forebrain ischemia in mice. BMC Complementary and Alternative Medicine, 2013, 13, 324.	3.7	14
76	Fluoxetine Inhibits Natural Decay of Long-Term Memory via Akt/GSK- $3\hat{l}^2$ Signaling. Molecular Neurobiology, 2018, 55, 7453-7462.	1.9	14
77	The effects of pinoresinol on cholinergic dysfunction-induced memory impairments and synaptic plasticity in mice. Food and Chemical Toxicology, 2019, 125, 376-382.	1.8	14
78	Aster glehniExtract Ameliorates Scopolamine-Induced Cognitive Impairment in Mice. Journal of Medicinal Food, 2019, 22, 685-695.	0.8	13
79	The memory-enhancing effects of Kami-ondam-tang in mice. Journal of Ethnopharmacology, 2011, 137, 251-256.	2.0	12
80	4-Methoxycinnamic acid attenuates schizophrenia-like behaviors induced by MK-801 in mice. Journal of Ethnopharmacology, 2022, 285, 114864.	2.0	12
81	Chronic hypoperfusion increases claudin-3 immunoreactivity in rat brain. Neuroscience Letters, 2008, 445, 144-148.	1.0	11
82	Pretreatment with 5-hydroxymethyl-2-furaldehyde blocks scopolamine-induced learning deficit in contextual and spatial memory in male mice. Pharmacology Biochemistry and Behavior, 2015, 134, 57-64.	1.3	11
83	Proteinase 3 Induces Neuronal Cell Death Through Microglial Activation. Neurochemical Research, 2015, 40, 2242-2251.	1.6	11
84	A botanical drug composed of three herbal materials attenuates the sensorimotor gating deficit and cognitive impairment induced by MK-801 in mice. Journal of Pharmacy and Pharmacology, 2019, 72, 149-160.	1.2	11
85	Rubrofusarin Attenuates Chronic Restraint Stress-Induced Depressive Symptoms. International Journal of Molecular Sciences, 2020, 21, 3454.	1.8	11
86	Dracocephalum moldavica attenuates scopolamine-induced cognitive impairment through activation of hippocampal ERK-CREB signaling in mice. Journal of Ethnopharmacology, 2020, 253, 112651.	2.0	11
87	The ameliorating effects of 5,7-dihydroxy-6-methoxy-2(4-phenoxyphenyl)-4H-chromene-4-one, an oroxylin A derivative, against memory impairment and sensorimotor gating deficit in mice. Archives of Pharmacal Research, 2013, 36, 854-863.	2.7	10
88	4-Hydroxybenzyl methyl ether improves learning and memory in mice via the activation of dopamine D1 receptor signaling. Neurobiology of Learning and Memory, 2015, 121, 30-38.	1.0	10
89	The ameliorating effect of 1-palmitoyl-2-linoleoyl-3-acetylglycerol on scopolamine-induced memory impairment via acetylcholinesterase inhibition and LTP activation. Behavioural Brain Research, 2017, 324, 58-65.	1.2	10
90	Activation of the dopamine D1 receptor can extend long-term spatial memory persistence via PKA signaling in mice. Neurobiology of Learning and Memory, 2018, 155, 568-577.	1.0	10

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91	Akt and calcium-permeable AMPA receptor are involved in the effect of pinoresinol on amyloid $\hat{l}^2$ -induced synaptic plasticity and memory deficits. Biochemical Pharmacology, 2021, 184, 114366.	2.0	10
92	<i>Prunella vulgaris</i> Attenuates Prepulse Inhibition Deficit and Attention Disruption induced by MKâ€801 in Mice. Phytotherapy Research, 2013, 27, 1763-1769.	2.8	9
93	Synthesis and Evaluation of Neuroprotective Selenoflavanones. International Journal of Molecular Sciences, 2015, 16, 29574-29582.	1.8	9
94	Ethanol extract of the seed of Zizyphus jujuba var. spinosa potentiates hippocampal synaptic transmission through mitogen-activated protein kinase, adenylyl cyclase, and protein kinase A pathways. Journal of Ethnopharmacology, 2017, 200, 16-21.	2.0	9
95	Rubrofusarin inhibits $A\hat{l}^2$ aggregation and ameliorates memory loss in an $A\hat{l}^2$ -induced Alzheimer's disease-like mouse model. Food and Chemical Toxicology, 2019, 132, 110698.	1.8	9
96	Hydrangeae Dulcis Folium Attenuates Physical Stress by Supressing ACTH-Induced Cortisol in Zebrafish. Chinese Journal of Integrative Medicine, 2020, 26, 130-137.	0.7	9
97	R (â^')-methoxetamine exerts rapid and sustained antidepressant effects and fewer behavioral side effects relative to S (+)-methoxetamine. Neuropharmacology, 2021, 193, 108619.	2.0	9
98	A sensitive LCâ€"MS/MS method for the quantitative determination of biflorin in rat plasma and its application to pharmacokinetic studies. Journal of Pharmaceutical and Biomedical Analysis, 2015, 115, 272-276.	1.4	8
99	<i>Ginkgo biloba</i> Extract (EGb 761 <sup>Â<math>^{\circ}</math></sup> ) Inhibits Glutamate-induced Up-regulation of Tissue Plasminogen Activator Through Inhibition of c-Fos Translocation in Rat Primary Cortical Neurons. Phytotherapy Research, 2016, 30, 58-65.	2.8	8
100	Valproic Acid Induces Telomerase Reverse Transcriptase Expression during Cortical Development. Experimental Neurobiology, 2017, 26, 252-265.	0.7	8
101	The memory ameliorating effects of DHP1402, an herbal mixture, on cholinergic blockade-induced cognitive dysfunction in mice. Journal of Ethnopharmacology, 2018, 211, 38-46.	2.0	8
102	Eclalbasaponin II Ameliorates the Cognitive Impairment Induced by Cholinergic Blockade in Mice. Neurochemical Research, 2018, 43, 351-362.	1.6	8
103	Neuroprotective effect of the ethanol extract of Artemisia capillaris on transient forebrain ischemia in mice via nicotinic cholinergic receptor. Chinese Journal of Natural Medicines, 2018, 16, 428-435.	0.7	7
104	New Depsides and Neuroactive Phenolic Glucosides from the Flower Buds of Rugosa Rose ( <i>Rosa) Tj ETQq0 0 C</i>	) rgBT /Ov	erlock 10 Tf 5
105	Altered Translational Control of Fragile X Mental Retardation Protein on Myelin Proteins in Neuropsychiatric Disorders. Biomolecules and Therapeutics, 2017, 25, 231-238.	1.1	7
106	Roles of GABAA receptor $\hat{l}\pm 5$ subunit on locomotion and working memory in transient forebrain ischemia in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2020, 102, 109962.	2.5	6
107	Biflorin Ameliorates Memory Impairments Induced by Cholinergic Blockade in Mice. Biomolecules and Therapeutics, 2017, 25, 249-258.	1.1	6
108	Effect of a Traditional Herbal Prescription, Kyung-Ok-Ko, on Male Mouse Spermatogenic Ability after Heat-Induced Damage. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-7.	0.5	5

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109	REDD1 Is Involved in Amyloid $\hat{l}^2$ -Induced Synaptic Dysfunction and Memory Impairment. International Journal of Molecular Sciences, 2020, 21, 9482.	1.8	5
110	The effects of atomoxetine and methylphenidate on the prepulse inhibition of the acoustic startle response in mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2014, 54, 206-215.	2.5	4
111	Standardized <i>Prunella vulgaris</i> var. <i>lilacina</i> Extract Enhances Cognitive Performance in Normal Naive Mice. Phytotherapy Research, 2015, 29, 1814-1821.	2.8	4
112	Early immature neuronal death is partially involved in memory impairment induced by cerebral ischemia. Behavioural Brain Research, 2016, 308, 75-82.	1.2	4
113	The enhancing effect of Aubang Gahl Soo on the hippocampal synaptic plasticity and memory through enhancing cholinergic system in mice. Journal of Ethnopharmacology, 2018, 224, 91-99.	2.0	4
114	Protection Against Electroshock- and Pentylenetetrazol-induced Seizures by the Water Extract of Rehmannia glutinous can be Mediated through GABA Receptor-chloride Channel Complexes. Natural Product Sciences, 2017, 23, 40.	0.2	2
115	Functions of the Signal Transducer and Activator of Transcription 6 in a Behavioral Animal Model of Depression. Pharmacology, 2018, 101, 285-289.	0.9	2
116	Role of extracellular signal-regulated kinase in rubrofusarin-enhanced cognitive functions and neurite outgrowth. Biomedicine and Pharmacotherapy, 2022, 147, 112663.	2.5	2
117	Effects of repetitive training on learning and memory performance of TLR2 KO mice. Behavioural Brain Research, 2022, 426, 113836.	1.2	1