

# Chan Young Shin

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

2,757  
citations

218662

26  
h-index

206102

48  
g-index

102  
all docs

102  
docs citations

102  
times ranked

3916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomics profiling of valproic acid-induced symptoms resembling autism spectrum disorders using 1H NMR spectral analysis in rat model. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2022, 85, 1-13.	2.3	7
2	Design, Synthesis, and Functional Evaluation of 1, 5-Disubstituted Tetrazoles as Monoamine Neurotransmitter Reuptake Inhibitors. <i>Biomolecules and Therapeutics</i> , 2022, 30, 191-202.	2.4	2
3	Role of extracellular signal-regulated kinase in rubrofusarin-enhanced cognitive functions and neurite outgrowth. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112663.	5.6	2
4	Behavioral Deficits in Adolescent Mice after Sub-Chronic Administration of NMDA during Early Stage of Postnatal Development. <i>Biomolecules and Therapeutics</i> , 2022, , .	2.4	2
5	Decreased in vivo glutamate/GABA ratio correlates with the social behavior deficit in a mouse model of autism spectrum disorder. <i>Molecular Brain</i> , 2022, 15, 19.	2.6	10
6	Eugenitol ameliorates memory impairments in 5XFAD mice by reducing A $\beta$ 2 plaques and neuroinflammation. <i>Biomedicine and Pharmacotherapy</i> , 2022, 148, 112763.	5.6	4
7	Late Passage Cultivation Induces Aged Astrocyte Phenotypes in Rat Primary Cultured Cells. <i>Biomolecules and Therapeutics</i> , 2021, 29, 144-153.	2.4	12
8	Deciphering the role of T-type calcium channels in regulating adult hippocampal neurogenesis. <i>Acta Physiologica</i> , 2021, 232, e13643.	3.8	2
9	Thirteen-week subcutaneous repeated dose toxicity study of butylparaben and its toxicokinetics in rats. <i>Archives of Toxicology</i> , 2021, 95, 2037-2050.	4.2	2
10	Synergistic efficacy and diminished adverse effect profile of composite treatment of several ADHD medications. <i>Neuropharmacology</i> , 2021, 187, 108494.	4.1	2
11	Alpha-Synuclein Inclusion Formation in Human Oligodendrocytes. <i>Biomolecules and Therapeutics</i> , 2021, 29, 83-89.	2.4	5
12	Autism-Like Behavioral Phenotypes in Mice Treated with Systemic N-Methyl-D-Aspartate. <i>Biomolecules and Therapeutics</i> , 2021, , .	2.4	1
13	Modelling monogenic autism spectrum disorder using mouse cortical organoids. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 164-171.	2.1	8
14	Astaxanthin Suppresses PM2.5-Induced Neuroinflammation by Regulating Akt Phosphorylation in BV-2 Microglial Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7227.	4.1	45
15	Roles of GABAA receptor $\alpha$ 5 subunit on locomotion and working memory in transient forebrain ischemia in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 102, 109962.	4.8	6
16	Epigenetically Upregulated T-Type Calcium Channels Contribute to Abnormal Proliferation of Embryonic Neural Progenitor Cells Exposed to Valproic Acid. <i>Biomolecules and Therapeutics</i> , 2020, 28, 389-396.	2.4	7
17	Robust and Reproducible Generation of Induced Neural Stem Cells from Human Somatic Cells by Defined Factors. <i>International Journal of Stem Cells</i> , 2020, 13, 80-92.	1.8	2
18	Pharmacological modulation of AMPA receptor rescues social impairments in animal models of autism. <i>Neuropsychopharmacology</i> , 2019, 44, 314-323.	5.4	73

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19	Gene-environment interaction counterbalances social impairment in mouse models of autism. <i>Scientific Reports</i> , 2019, 9, 11490.	3.3	8
20	Risk Assessment of Triclosan, a Cosmetic Preservative. <i>Toxicological Research</i> , 2019, 35, 137-154.	2.1	48
21	Social Interaction Test in Home Cage as a Novel and Ethological Measure of Social Behavior in Mice. <i>Experimental Neurobiology</i> , 2019, 28, 247-260.	1.6	28
22	Risk Assessment of Drometrizole, a Cosmetic Ingredient used as an Ultraviolet Light Absorber. <i>Toxicological Research</i> , 2019, 35, 119-129.	2.1	12
23	Tenovin-1 Induces Senescence and Decreases Wound-Healing Activity in Cultured Rat Primary Astrocytes. <i>Biomolecules and Therapeutics</i> , 2019, 27, 283-289.	2.4	11
24	Comparative Behavioral Correlation of High and Low-Performing Mice in the Forced Swim Test. <i>Biomolecules and Therapeutics</i> , 2019, 27, 349-356.	2.4	8
25	Effects of Intraperitoneal N-methyl-D-aspartate (NMDA) Administration on Nociceptive/Repetitive Behaviors in Juvenile Mice. <i>Biomolecules and Therapeutics</i> , 2019, 27, 168-177.	2.4	3
26	Etoposide Induces Mitochondrial Dysfunction and Cellular Senescence in Primary Cultured Rat Astrocytes. <i>Biomolecules and Therapeutics</i> , 2019, 27, 530-539.	2.4	24
27	Recapitulation of Neuropsychiatric Behavioral Features in Mice Using Acute Low-dose MK-801 Administration. <i>Experimental Neurobiology</i> , 2019, 28, 697-708.	1.6	9
28	Molecular depth profiling on rat brain tissue sections prepared using different sampling methods. <i>Biointerphases</i> , 2018, 13, 03B411.	1.6	10
29	Tyrosine kinase Fyn regulates iNOS expression in LPS-stimulated astrocytes via modulation of ERK phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1214-1220.	2.1	15
30	Dual mechanisms for the regulation of brain-derived neurotrophic factor by valproic acid in neural progenitor cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 679.	1.2	4
31	Sex-specific Behavioral Features of Rodent Models of Autism Spectrum Disorder. <i>Experimental Neurobiology</i> , 2018, 27, 321-343.	1.6	34
32	Social support rescues acute stress-induced cognitive impairments by modulating ERK1/2 phosphorylation in adolescent mice. <i>Scientific Reports</i> , 2018, 8, 12003.	3.3	25
33	Impaired Hippocampal Synaptic Plasticity and Enhanced Excitatory Transmission in a Novel Animal Model of Autism Spectrum Disorders with Telomerase Reverse Transcriptase Overexpression. <i>Molecules and Cells</i> , 2018, 41, 486-494.	2.6	13
34	Effects of Several Cosmetic Preservatives on ROS-Dependent Apoptosis of Rat Neural Progenitor Cells. <i>Biomolecules and Therapeutics</i> , 2018, 26, 608-615.	2.4	14
35	T-Type Calcium Channels Are Required to Maintain Viability of Neural Progenitor Cells. <i>Biomolecules and Therapeutics</i> , 2018, 26, 439-445.	2.4	15
36	AMPA receptor-control essential for modulation of social behaviors. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-1-57.	0.0	0

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37	Emerging therapeutic targets against ASD based on E/I imbalance hypothesis. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY37-1.	0.0	0
38	Methylphenidate and Atomoxetine-Responsive Prefrontal Cortical Genetic Overlaps in "Impulsive" SHR/NCrl and Wistar Rats. Behavior Genetics, 2017, 47, 564-580.	2.1	16
39	Agmatine rescues autistic behaviors in the valproic acid-induced animal model of autism. Neuropharmacology, 2017, 113, 71-81.	4.1	70
40	Valproic Acid Induces Telomerase Reverse Transcriptase Expression during Cortical Development. Experimental Neurobiology, 2017, 26, 252-265.	1.6	8
41	Sex Differences in Autism-Like Behavioral Phenotypes and Postsynaptic Receptors Expression in the Prefrontal Cortex of TERT Transgenic Mice. Biomolecules and Therapeutics, 2017, 25, 374-382.	2.4	12
42	Supplementation of Korean Red Ginseng improves behavior deviations in animal models of autism. Food and Nutrition Research, 2016, 60, 29245.	2.6	19
43	JQ1, an inhibitor of the epigenetic reader BRD4, suppresses the bidirectional MYC-AP4 axis via multiple mechanisms. Oncology Reports, 2016, 35, 1186-1194.	2.6	20
44	The transgenerational inheritance of autism-like phenotypes in mice exposed to valproic acid during pregnancy. Scientific Reports, 2016, 6, 36250.	3.3	95
45	MeCP2 Modulates Sex Differences in the Postsynaptic Development of the Valproate Animal Model of Autism. Molecular Neurobiology, 2016, 53, 40-56.	4.0	49
46	Overexpression of Telomerase Reverse Transcriptase Induces Autism-like Excitatory Phenotypes in Mice. Molecular Neurobiology, 2016, 53, 7312-7328.	4.0	16
47	Effects of Triclosan on Neural Stem Cell Viability and Survival. Biomolecules and Therapeutics, 2016, 24, 99-107.	2.4	52
48	Clinical and Neurobiological Relevance of Current Animal Models of Autism Spectrum Disorders. Biomolecules and Therapeutics, 2016, 24, 207-243.	2.4	31
49	Safety Evaluation of Polyethylene Glycol (PEG) Compounds for Cosmetic Use. Toxicological Research, 2015, 31, 105-136.	2.1	113
50	Exploring the Validity of Valproic Acid Animal Model of Autism. Experimental Neurobiology, 2015, 24, 285-300.	1.6	165
51	Repeated Neonatal Propofol Administration Induces Sex-Dependent Long-Term Impairments on Spatial and Recognition Memory in Rats. Biomolecules and Therapeutics, 2015, 23, 251-260.	2.4	35
52	High sucrose consumption during pregnancy induced ADHD-like behavioral phenotypes in mice offspring. Journal of Nutritional Biochemistry, 2015, 26, 1520-1526.	4.2	28
53	The Role of TLR4 and Fyn Interaction on Lipopolysaccharide-Stimulated PAI-1 Expression in Astrocytes. Molecular Neurobiology, 2015, 52, 8-25.	4.0	23
54	Propofol treatment modulates neurite extension regulated by immunologically challenged rat primary astrocytes: a possible role of PAI-1. Archives of Pharmacal Research, 2015, 38, 556-565.	6.3	4

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55	Positive effects of $\beta$ -amylin on pentobarbital-induced sleep in mice via GABAergic neurotransmitter system. <i>Behavioural Brain Research</i> , 2015, 291, 232-236.	2.2	15
56	Common prefrontal cortical gene expression profiles between adolescent SHR/NCrl and WKY/NCrl rats which showed inattention behavior. <i>Behavioural Brain Research</i> , 2015, 291, 268-276.	2.2	21
57	Cigarette smoke exposure during adolescence enhances sensitivity to the rewarding effects of nicotine in adulthood, even after a long period of abstinence. <i>Neuropharmacology</i> , 2015, 99, 9-14.	4.1	21
58	The Epigenetic Reader BRD2 as a Specific Modulator of PAI-1 Expression in Lipopolysaccharide-Stimulated Mouse Primary Astrocytes. <i>Neurochemical Research</i> , 2015, 40, 2211-2219.	3.3	13
59	Individual differences in novelty-seeking behavior in spontaneously hypertensive rats: Enhanced sensitivity to the reinforcing effect of methylphenidate in the high novelty-preferring subpopulation. <i>Journal of Neuroscience Methods</i> , 2015, 252, 48-54.	2.5	12
60	N-linked Glycosylation on the N-terminus of the dopamine D2 and D3 receptors determines receptor association with specific microdomains in the plasma membrane. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 41-51.	4.1	35
61	Subchronic Treatment of Donepezil Rescues Impaired Social, Hyperactive, and Stereotypic Behavior in Valproic Acid-Induced Animal Model of Autism. <i>PLoS ONE</i> , 2014, 9, e104927.	2.5	76
62	Therapeutic Potential of Induced Neural Stem Cells for Spinal Cord Injury. <i>Journal of Biological Chemistry</i> , 2014, 289, 32512-32525.	3.4	75
63	Pax6-Dependent Cortical Glutamatergic Neuronal Differentiation Regulates Autism-Like Behavior in Prenatally Valproic Acid-Exposed Rat Offspring. <i>Molecular Neurobiology</i> , 2014, 49, 512-528.	4.0	111
64	tPA Regulates Neurite Outgrowth by Phosphorylation of LRP5/6 in Neural Progenitor Cells. <i>Molecular Neurobiology</i> , 2014, 49, 199-215.	4.0	33
65	Chronic exposure to ethanol of male mice before mating produces attention deficit hyperactivity disorder-like phenotype along with epigenetic dysregulation of dopamine transporter expression in mouse offspring. <i>Journal of Neuroscience Research</i> , 2014, 92, 658-670.	2.9	84
66	Translational Regulation of NeuroD1 Expression by FMRP: Involvement in Glutamatergic Neuronal Differentiation of Cultured Rat Primary Neural Progenitor Cells. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 297-305.	3.3	20
67	Oroxilin A enhances memory consolidation through the brain-derived neurotrophic factor in mice. <i>Brain Research Bulletin</i> , 2014, 108, 67-73.	3.0	22
68	The effects of atomoxetine and methylphenidate on the prepulse inhibition of the acoustic startle response in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014, 54, 206-215.	4.8	4
69	Oleanolic acid attenuates MK-801-induced schizophrenia-like behaviors in mice. <i>Neuropharmacology</i> , 2014, 86, 49-56.	4.1	55
70	Effects of Atomoxetine on Hyper-Locomotive Activity of the Prenatally Valproate-Exposed Rat Offspring. <i>Biomolecules and Therapeutics</i> , 2014, 22, 406-413.	2.4	13
71	A Role of CPEB1 in the Modulation of Proliferation and Neuronal Maturation of Rat Primary Neural Progenitor Cells. <i>Neurochemical Research</i> , 2013, 38, 1960-1972.	3.3	6
72	Glucose deprivation reversibly down-regulates tissue plasminogen activator via proteasomal degradation in rat primary astrocytes. <i>Life Sciences</i> , 2013, 92, 929-937.	4.3	4

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73	Synergistic activation of lipopolysaccharide-stimulated glial cells by propofol. <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 420-426.	2.1	12
74	Effects of Korean red ginseng extracts on neural tube defects and impairment of social interaction induced by prenatal exposure to valproic acid. <i>Food and Chemical Toxicology</i> , 2013, 51, 288-296.	3.6	43
75	Neuroprotective effects of valproic acid against hemin toxicity: Possible involvement of the down-regulation of heme oxygenase-1 by regulating ubiquitin-proteasomal pathway. <i>Neurochemistry International</i> , 2013, 62, 240-250.	3.8	28
76	Male-specific alteration in excitatory postsynaptic development and social interaction in prenatal valproic acid exposure model of autism spectrum disorder. <i>Journal of Neurochemistry</i> , 2013, 124, 832-843.	3.9	164
77	Valproic acid induces astrocyte-dependent neurite outgrowth from cultured rat primary cortical neuron via modulation of tPA/PAI-1 activity. <i>Glia</i> , 2013, 61, 694-709.	4.9	27
78	Effects of Ethanol Exposure During Early Pregnancy in Hyperactive, Inattentive and Impulsive Behaviors and MeCP2 Expression in Rodent Offspring. <i>Neurochemical Research</i> , 2013, 38, 620-631.	3.3	59
79	Transgenerational effects of paternal alcohol exposure in mouse offspring. <i>Animal Cells and Systems</i> , 2013, 17, 429-434.	2.2	15
80	Gastrointestinal Tract Abnormalities Induced by Prenatal Valproic Acid Exposure in Rat Offspring. <i>Toxicological Research</i> , 2013, 29, 173-179.	2.1	21
81	A Simple Behavioral Paradigm to Measure Impulsive Behavior in an Animal Model of Attention Deficit Hyperactivity Disorder (ADHD) of the Spontaneously Hypertensive Rats. <i>Biomolecules and Therapeutics</i> , 2012, 20, 125-131.	2.4	21
82	CPEB1 modulates lipopolysaccharide-mediated iNOS induction in rat primary astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 687-692.	2.1	13
83	Biphasic regulation of tissue plasminogen activator activity in ischemic rat brain and in cultured neural cells: Essential role of astrocyte-derived plasminogen activator inhibitor-1. <i>Neurochemistry International</i> , 2011, 58, 423-433.	3.8	26
84	The critical period of valproate exposure to induce autistic symptoms in Sprague-Dawley rats. <i>Toxicology Letters</i> , 2011, 201, 137-142.	0.8	213
85	Activation of Adenosine A2A Receptor Up-Regulates BDNF Expression in Rat Primary Cortical Neurons. <i>Neurochemical Research</i> , 2011, 36, 2259-2269.	3.3	56
86	Is the anti-stress effect of vitamin C related to adrenal gland function in rat?. <i>Food Science and Biotechnology</i> , 2011, 20, 429-435.	2.6	5
87	Regulation of tissue plasminogen activator/plasminogen activator inhibitor-1 by hydrocortisone in rat primary astrocytes. <i>Journal of Neuroscience Research</i> , 2011, 89, 1059-1069.	2.9	7
88	Vitamin C supplementation alleviates electroshock stress but not restraint stress in ICR mice. <i>Food Science and Biotechnology</i> , 2010, 19, 137-144.	2.6	6
89	ATP induced microglial cell migration through non-transcriptional activation of matrix metalloproteinase-9. <i>Archives of Pharmacal Research</i> , 2010, 33, 257-265.	6.3	22
90	Urokinase-Type Plasminogen Activator Induces BV-2 Microglial Cell Migration Through Activation of Matrix Metalloproteinase-9. <i>Neurochemical Research</i> , 2010, 35, 976-985.	3.3	19

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91	Effects of indirubin derivatives on the FLT3 activity and growth of acute myeloid leukemia cell lines. Drug Development Research, 2010, 71, 221-227.	2.9	10
92	Regulation of matrix metalloproteinase-9 and tissue plasminogen activator activity by alpha-synuclein in rat primary glial cells. Neuroscience Letters, 2010, 469, 352-356.	2.1	28
93	The effects of IL-32 on the inflammatory activation of cultured rat primary astrocytes. Biochemical and Biophysical Research Communications, 2010, 402, 48-53.	2.1	20
94	Differential Regulation of Matrix Metalloproteinase-9 and Tissue Plasminogen Activator Activity by the Cyclic-AMP System in Lipopolysaccharide-stimulated Rat Primary Astrocytes. Neurochemical Research, 2008, 33, 2324-2334.	3.3	27
95	Down-regulation of matrix metalloproteinase-9 expression by nitric oxide in lipopolysaccharide-stimulated rat primary astrocytes. Nitric Oxide - Biology and Chemistry, 2007, 16, 425-432.	2.7	28
96	Developmental changes of the activity of monoamine oxidase in pre- and postnatally lead exposed rats. Environmental Toxicology and Pharmacology, 2007, 24, 5-10.	4.0	4
97	Immunostimulation of rat primary astrocytes decreases intracellular ATP level. Brain Research, 2001, 902, 198-204.	2.2	32