

# Akiyoshi Saitoh

## List of Publications by Year in descending order

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53  
papers

1,229  
citations

430874

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Potential Anxiolytic and Antidepressant-Like Activities of SNC80, a Selective $\mu$ -Opioid Agonist, in Behavioral Models in Rodents. <i>Journal of Pharmacological Sciences</i> , 2004, 95, 374-380.	2.5	166
2	The novel $\mu$ opioid receptor agonist KNT-127 produces antidepressant-like and antinociceptive effects in mice without producing convulsions. <i>Behavioural Brain Research</i> , 2011, 223, 271-279.	2.2	82
3	Role of $\mu$ -opioid receptor subtypes in anxiety-related behaviors in the elevated plus-maze in rats. <i>Psychopharmacology</i> , 2005, 182, 327-334.	3.1	76
4	Antinociceptive effects of the selective non-peptidic $\mu$ -opioid receptor agonist TAN-67 in diabetic mice. <i>European Journal of Pharmacology</i> , 1995, 276, 131-135.	3.5	58
5	Activation of the prelimbic medial prefrontal cortex induces anxiety-like behaviors via NMDA receptor-mediated glutamatergic neurotransmission in mice. <i>Journal of Neuroscience Research</i> , 2014, 92, 1044-1053.	2.9	52
6	The infralimbic and prelimbic medial prefrontal cortices have differential functions in the expression of anxiety-like behaviors in mice. <i>Behavioural Brain Research</i> , 2016, 304, 120-124.	2.2	48
7	Changes in Emotional Behavior of Mice in the Hole-Board Test After Olfactory Bulbectomy. <i>Journal of Pharmacological Sciences</i> , 2006, 102, 377-386.	2.5	40
8	Antidepressant-like Effects of $\delta$ Opioid Receptor Agonists in Animal Models. <i>Current Neuropharmacology</i> , 2012, 10, 231-238.	2.9	40
9	Antidepressant-like effects of the delta-opioid receptor agonist SNC80 ((+)-4-[(alphaR)-alpha-[(2S,5R)-2,5-dimethyl-4-(2-propenyl)-1-piperazinyl]-(3-methoxyphenyl)methyl]-N,N-diethylbenzamide) 37 in an olfactory bulbectomized rat model. <i>Brain Research</i> , 2008, 1208, 160-169.	2.2	37
10	The novel $\mu$ opioid receptor agonist KNT-127 produces distinct anxiolytic-like effects in rats without producing the adverse effects associated with benzodiazepines. <i>Neuropharmacology</i> , 2013, 67, 485-493.	4.1	37
11	Effects of milnacipran and fluvoxamine on hyperemotional behaviors and the loss of tryptophan hydroxylase-positive cells in olfactory bulbectomized rats. <i>Psychopharmacology</i> , 2007, 191, 857-865.	3.1	36
12	Riluzole rapidly attenuates hyperemotional responses in olfactory bulbectomized rats, an animal model of depression. <i>Behavioural Brain Research</i> , 2011, 216, 46-52.	2.2	36
13	Riluzole produces distinct anxiolytic-like effects in rats without the adverse effects associated with benzodiazepines. <i>Neuropharmacology</i> , 2012, 62, 2489-2498.	4.1	36
14	ROCK inhibition produces anxiety-related behaviors in mice. <i>Psychopharmacology</i> , 2006, 188, 1-11.	3.1	33
15	Oxytocin reverses $A\beta$ -induced impairment of hippocampal synaptic plasticity in mice. <i>Biochemical and Biophysical Research Communications</i> , 2020, 528, 174-178.	2.1	27
16	Tyrosol Reduces Amyloid- $\beta$ Oligomer Neurotoxicity and Alleviates Synaptic, Oxidative, and Cognitive Disturbances in Alzheimer's Disease Model Mice. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 937-952.	2.6	25
17	Research and development of $\mu$ opioid receptor agonists and $\delta$ opioid receptor agonists. , 2020, 205, 107427.		24
18	Glucagon-like peptide-2-induced memory improvement and anxiolytic effects in mice. <i>Neuropeptides</i> , 2015, 49, 7-14.	2.2	20

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19	The function of SARS-CoV-2 spike protein is impaired by disulfide-bond disruption with mutation at cysteine-488 and by thiol-reactive N-acetyl-cysteine and glutathione. <i>Biochemical and Biophysical Research Communications</i> , 2022, 597, 30-36.	2.1	20
20	Effects of Methylphenidate on the Hyperemotional Behavior in Olfactory Bulbectomized Mice by Using the Hole-Board Test. <i>Journal of Pharmacological Sciences</i> , 2007, 103, 175-180.	2.5	19
21	The impairment in spatial learning and hippocampal LTD induced through the PKA pathway in juvenile-onset diabetes rats are rescued by modulating NMDA receptor function. <i>Neuroscience Research</i> , 2014, 81-82, 55-63.	1.9	19
22	Systemic administration of riluzole enhances recognition memory and facilitates extinction of fear memory in rats. <i>Neuropharmacology</i> , 2015, 97, 322-328.	4.1	17
23	Effects of repeated treatment with a delta opioid receptor agonist KNT-127 on hyperemotionality in olfactory-bulbectomized rats. <i>Behavioural Brain Research</i> , 2017, 323, 11-14.	2.2	17
24	The delta opioid receptor agonist KNT-127 in the prelimbic medial prefrontal cortex attenuates veratrine-induced anxiety-like behaviors in mice. <i>Behavioural Brain Research</i> , 2018, 336, 77-84.	2.2	17
25	DOR2-selective but not DOR1-selective antagonist abolishes anxiolytic-like effects of the $\hat{\imath}$ opioid receptor agonist KNT-127. <i>Neuropharmacology</i> , 2014, 79, 314-320.	4.1	16
26	Modulation of glutamatergic synaptic transmission and neuronal excitability in the prelimbic medial prefrontal cortex via delta-opioid receptors in mice. <i>Biochemical and Biophysical Research Communications</i> , 2021, 560, 192-198.	2.1	15
27	Riluzole in the prelimbic medial prefrontal cortex attenuates veratrine-induced anxiety-like behaviors in mice. <i>Psychopharmacology</i> , 2015, 232, 391-398.	3.1	13
28	Delta Opioid Receptor (DOR) Ligands and Pharmacology: Development of Indolo- and Quinolinomorphinan Derivatives Based on the Message-Address Concept. <i>Handbook of Experimental Pharmacology</i> , 2016, 247, 3-19.	1.8	13
29	Gene Expression Profiling Reveals Complex Changes in the Olfactory Bulbectomy Model of Depression After Chronic Treatment With Antidepressants. <i>Journal of Pharmacological Sciences</i> , 2008, 108, 320-334.	2.5	12
30	Post-reexposure administration of d-cycloserine facilitates reconsolidation of contextual conditioned fear memory in rats. <i>Journal of Neural Transmission</i> , 2017, 124, 583-587.	2.8	12
31	Administration of a delta opioid receptor agonist KNT-127 to the basolateral amygdala has robust anxiolytic-like effects in rats. <i>Psychopharmacology</i> , 2018, 235, 2947-2955.	3.1	11
32	Selective agonists of the $\hat{\imath}$ -opioid receptor, KNT-127 and SNC80, act differentially on extinction learning of contextual fear memory in mice. <i>Neuropharmacology</i> , 2019, 160, 107792.	4.1	11
33	Synthesis of new opioid derivatives with a propellane skeleton and their pharmacologies: Part 5, novel pentacyclic propellane derivatives with a 6-amide side chain. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6271-6279.	3.0	10
34	Chronic vicarious social defeat stress attenuates new-born neuronal cell survival in mouse hippocampus. <i>Behavioural Brain Research</i> , 2022, 416, 113536.	2.2	10
35	Induction of c-Fos immunoreactivity in the amygdala of mice expressing anxiety-like behavior after local perfusion of veratrine in the prelimbic medial prefrontal cortex. <i>Journal of Neural Transmission</i> , 2015, 122, 1203-1207.	2.8	9
36	Administration of riluzole to the basolateral amygdala facilitates fear extinction in rats. <i>Behavioural Brain Research</i> , 2018, 336, 8-14.	2.2	9

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37	A delta opioid receptor agonist, KNT-127, in the prelimbic medial prefrontal cortex attenuates glial glutamate transporter blocker-induced anxiety-like behavior in mice. <i>Journal of Pharmacological Sciences</i> , 2018, 138, 176-183.	2.5	9
38	Novel Delta Opioid Receptor Agonists with Oxazatricyclodecane Structure. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 368-372.	2.8	8
39	Administration of riluzole into the basolateral amygdala has an anxiolytic-like effect and enhances recognition memory in the rat. <i>Behavioural Brain Research</i> , 2017, 327, 98-102.	2.2	8
40	Effects of the delta opioid receptor agonist KNT-127 on electroencephalographic activity in mice. <i>Pharmacological Reports</i> , 2018, 70, 350-354.	3.3	8
41	Participation of the nucleus accumbens dopaminergic system in the antidepressant-like actions of a diet rich in omega-3 polyunsaturated fatty acids. <i>PLoS ONE</i> , 2020, 15, e0230647.	2.5	8
42	A selective delta opioid receptor agonist SNC80, but not KNT-127, induced tremor-like behaviors via hippocampal glutamatergic system in mice. <i>Brain Research</i> , 2021, 1757, 147297.	2.2	8
43	Juvenile social defeat stress exposure favors in later onset of irritable bowel syndrome-like symptoms in male mice. <i>Scientific Reports</i> , 2021, 11, 16276.	3.3	8
44	The voltage-gated sodium channel activator veratrine induces anxiogenic-like behaviors in rats. <i>Behavioural Brain Research</i> , 2015, 292, 316-322.	2.2	7
45	Involvement of glutamatergic N-methyl-d-aspartate receptors in the expression of increased head-dipping behaviors in the hole-board tests of olfactory bulbectomized mice. <i>Behavioural Brain Research</i> , 2016, 312, 313-320.	2.2	7
46	Post-reexposure administration of riluzole attenuates the reconsolidation of conditioned fear memory in rats. <i>Neuropharmacology</i> , 2018, 131, 1-10.	4.1	6
47	Systemic administration of a delta opioid receptor agonist, KNT-127, facilitates extinction learning of fear memory in rats. <i>Journal of Pharmacological Sciences</i> , 2019, 139, 174-179.	2.5	6
48	Discovery of $\delta$ -opioid receptor full agonists lacking a basic nitrogen atom and their antidepressant-like effects. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127176.	2.2	5
49	Disulfiram Produces Potent Anxiolytic-Like Effects Without Benzodiazepine Anxiolytics-Related Adverse Effects in Mice. <i>Frontiers in Pharmacology</i> , 2022, 13, 826783.	3.5	5
50	Cold-Restraint Stress-Induced Ultrasonic Vocalization as a Novel Tool to Measure Anxiety in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2022, 45, 268-275.	1.4	4
51	Selective $\delta$ -Opioid Receptor Agonist, KNT-127, Facilitates Contextual Fear Extinction via Infralimbic Cortex and Amygdala in Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 808232.	2.0	4
52	Alfaxalone improved in acute stress-induced tactile hypersensitivity and anxiety-like behavior in mice. <i>Neuropsychopharmacology Reports</i> , 2022, , .	2.3	2
53	High-frequency ultrasound exposure improves depressive-like behavior in an olfactory bulbectomized rat model of depression. <i>NeuroReport</i> , 2022, 33, 445-449.	1.2	0