Takanobu Nakazawa

List of Publications by Year
in descending order

95	4,407	109264 35	114418 63
papers	citations	h-index	g-index

101	101	101	6575
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	microRNA Modulation of Circadian-Clock Period and Entrainment. Neuron, 2007, 54, 813-829.	3.8	520
2	Characterization of Fyn-mediated Tyrosine Phosphorylation Sites on GluRÎµ2 (NR2B) Subunit of the N-Methyl-d-aspartate Receptor. Journal of Biological Chemistry, 2001, 276, 693-699.	1.6	427
3	Lithium protection against glutamate excitotoxicity in rat cerebral cortical neurons: involvement of NMDA receptor inhibition possibly by decreasing NR2B tyrosine phosphorylation. Journal of Neurochemistry, 2002, 80, 589-597.	2.1	299
4	Fyn kinase-mediated phosphorylation of NMDA receptor NR2B subunit at Tyr1472 is essential for maintenance of neuropathic pain. European Journal of Neuroscience, 2005, 22, 1445-1454.	1.2	158
5	NR2B tyrosine phosphorylation modulates fear learning as well as amygdaloid synaptic plasticity. EMBO Journal, 2006, 25, 2867-2877.	3.5	138
6	Retrograde semaphorin signaling regulates synapse elimination in the developing mouse brain. Science, 2014, 344, 1020-1023.	6.0	115
7	High-Speed and Scalable Whole-Brain Imaging in Rodents and Primates. Neuron, 2017, 94, 1085-1100.e6.	3.8	108
8	Brain-derived neurotrophic factor rapidly increases NMDA receptor channel activity through Fyn-mediated phosphorylation. Brain Research, 2006, 1121, 22-34.	1.1	95
9	p250GAP, a Novel Brain-enriched GTPase-activating Protein for Rho Family GTPases, Is Involved in theN-Methyl-d-aspartate Receptor Signaling. Molecular Biology of the Cell, 2003, 14, 2921-2934.	0.9	92
10	Whole-exome sequencing and neurite outgrowth analysis in autism spectrum disorder. Journal of Human Genetics, 2016, 61, 199-206.	1.1	91
11	Retrograde BDNF to TrkB signaling promotes synapse elimination in the developing cerebellum. Nature Communications, 2017, 8, 195.	5.8	91
12	Involvement of NMDAR2A tyrosine phosphorylation in depression-related behaviour. EMBO Journal, 2009, 28, 3717-3729.	3.5	86
13	Leptin Induces Hippocampal Synaptogenesis via CREB-Regulated MicroRNA-132 Suppression of p250GAP. Molecular Endocrinology, 2014, 28, 1073-1087.	3.7	74
14	Metaplasticity gated through differential regulation of GluN2A versus GluN2B receptors by Src family kinases. EMBO Journal, 2012, 31, 805-816.	3.5	73
15	Protocadherin 17 Regulates Presynaptic Assembly in Topographic Corticobasal Ganglia Circuits. Neuron, 2013, 78, 839-854.	3.8	67
16	Environmental enrichment attenuates behavioral abnormalities in valproic acid-exposed autism model mice. Behavioural Brain Research, 2017, 333, 67-73.	1.2	67
17	NYAP: a phosphoprotein family that links PI3K to WAVE1 signalling in neurons. EMBO Journal, 2011, 30, 4739-4754.	3.5	66
18	Involvement of spinal phosphorylation cascade of Tyr1472-NR2B, Thr286-CaMKII, and Ser831-GluR1 in neuropathic pain. Neuropharmacology, 2011, 60, 609-616.	2.0	63

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19	(R)-Ketamine Induces a Greater Increase in Prefrontal 5-HT Release Than (S)-Ketamine and Ketamine Metabolites via an AMPA Receptor-Independent Mechanism. International Journal of Neuropsychopharmacology, 2019, 22, 665-674.	1.0	62
20	Tyrosine Dephosphorylation and Ethanol Inhibition of N-Methyl-d-aspartate Receptor Function. Journal of Biological Chemistry, 2003, 278, 11020-11025.	1.6	61
21	Pathogenic POGZ mutation causes impaired cortical development and reversible autism-like phenotypes. Nature Communications, 2020, 11, 859.	5.8	59
22	Regulation of dendritic spine morphology by an NMDA receptorâ€associated Rho GTPaseâ€activating protein, p250GAP. Journal of Neurochemistry, 2008, 105, 1384-1393.	2.1	58
23	Impairment of CaMKII activation and attenuation of neuropathic pain in mice lacking NR2B phosphorylated at Tyr1472. European Journal of Neuroscience, 2010, 32, 798-810.	1.2	57
24	Involvement of BREK, a serine/threonine kinase enriched in brain, in NGF signalling. Genes To Cells, 2004, 9, 219-232.	0.5	52
25	Loss of Fyn tyrosine kinase on the C57BL/6 genetic background causes hydrocephalus with defects in oligodendrocyte development. Molecular and Cellular Neurosciences, 2008, 38, 203-212.	1.0	49
26	Oxytocin attenuates deficits in social interaction but not recognition memory in a prenatal valproic acid-induced mouse model of autism. Hormones and Behavior, 2017, 96, 130-136.	1.0	49
27	Effect of Clozapine on DNA Methylation in Peripheral Leukocytes from Patients with Treatment-Resistant Schizophrenia. International Journal of Molecular Sciences, 2017, 18, 632.	1.8	49
28	Differential gene expression profiles in neurons generated from lymphoblastoid B-cell line-derived iPS cells from monozygotic twin cases with treatment-resistant schizophrenia and discordant responses to clozapine. Schizophrenia Research, 2017, 181, 75-82.	1.1	47
29	PACAP Enhances Axon Outgrowth in Cultured Hippocampal Neurons to a Comparable Extent as BDNF. PLoS ONE, 2015, 10, e0120526.	1.1	45
30	Activation of Fyn tyrosine kinase in the mouse dorsal hippocampus is essential for contextual fear conditioning. European Journal of Neuroscience, 2008, 28, 973-981.	1.2	44
31	Azoospermia in mice with targeted disruption of the Brek/Lmtk2 (brain-enriched kinase/lemur tyrosine) Tj ETQq1 1 0.784314 rgBT /Ov 103, 19344-19349.	3.3	42
32	Emerging roles of ARHGAP33 in intracellular trafficking of TrkB and pathophysiology of neuropsychiatric disorders. Nature Communications, 2016, 7, 10594.	5.8	42
33	Isolation and Characterization of EPD1 , an Essential Gene for Pseudohyphal Growth of a Dimorphic Yeast, Candida maltosa. Journal of Bacteriology, 1998, 180, 2079-2086.	1.0	41
34	p250GAP, a neural RhoGAP protein, is associated with and phosphorylated by Fyn. Biochemical and Biophysical Research Communications, 2003, 306, 151-155.	1.0	39
35	Whole-brain block-face serial microscopy tomography at subcellular resolution using FAST. Nature Protocols, 2019, 14, 1509-1529.	5.5	39
36	(S)-norketamine and (2S,6S)-hydroxynorketamine exert potent antidepressant-like effects in a chronic corticosterone-induced mouse model of depression. Pharmacology Biochemistry and Behavior, 2020, 191, 172876.	1.3	39

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37	Distinct expression patterns of the subunits of the CCR4â€“NOT deadenylase complex during neural development. Biochemical and Biophysical Research Communications, 2011, 411, 360-364.	1.0	37
38	NR2B Phosphorylation at Tyrosine 1472 Contributes to Brain Injury in a Rodent Model of Neonatal Hypoxia-Ischemia. Stroke, 2014, 45, 3040-3047.	1.0	37
39	Differential effects of hypoxia-ischemia on subunit expression and tyrosine phosphorylation of the NMDA receptor in 7- and 21-day-old rats. Journal of Neurochemistry, 2002, 82, 848-856.	2.1	35
40	Neurotensin type 2 receptor is involved in fear memory in mice. Journal of Neurochemistry, 2007, 102, 1669-1676.	2.1	35
41	NMDAR2B tyrosine phosphorylation regulates anxiety-like behavior and CRF expression in the amygdala. Molecular Brain, 2010, 3, 37.	1.3	35
42	Trends in big data analyses by multicenter collaborative translational research in psychiatry. Psychiatry and Clinical Neurosciences, 2022, 76, 1-14.	1.0	34
43	Risperidone and aripiprazole alleviate prenatal valproic acid-induced abnormalities in behaviors and dendritic spine density in mice. Psychopharmacology, 2017, 234, 3217-3228.	1.5	33
44	Toward recovery in schizophrenia: Current concepts, findings, and future research directions. Psychiatry and Clinical Neurosciences, 2022, 76, 282-291.	1.0	33
45	Psychiatric-disorder-related behavioral phenotypes and cortical hyperactivity in a mouse model of 3q29 deletion syndrome. Neuropsychopharmacology, 2019, 44, 2125-2135.	2.8	32
46	Receptor tyrosine phosphatase sigma (RPTPÏ*f*) regulates, p250GAP, a novel substrate that attenuates Rac signaling. Cellular Signalling, 2010, 22, 1626-1633.	1.7	29
47	De novo POGZ mutations in sporadic autism disrupt the DNA-binding activity of POGZ. Journal of Molecular Psychiatry, 2016, 4, 1.	2.0	28
48	CRTH2, a prostaglandin D2 receptor, mediates depression-related behavior in mice. Behavioural Brain Research, 2015, 284, 131-137.	1.2	27
49	Claustrum mediates bidirectional and reversible control of stress-induced anxiety responses. Science Advances, 2022, 8, eabi6375.	4.7	27
50	Physical and Functional Interaction of Fyn Tyrosine Kinase with a Brain-enriched Rho GTPase-activating Protein TCGAP. Journal of Biological Chemistry, 2006, 281, 23611-23619.	1.6	26
51	Involvement of Tyr1472 Phosphorylation of NMDA Receptor NR2B Subunit in Postherpetic Neuralgia in Model Mice. Molecular Pain, 2012, 8, 1744-8069-8-59.	1.0	25
52	Prenatal exposure to valproic acid increases miR-132 levels in the mouse embryonic brain. Molecular Autism, 2017, 8, 33.	2.6	22
53	Î²-Arrestin1 and 2 differentially regulate PACAP-induced PAC1 receptor signaling and trafficking. PLoS ONE, 2018, 13, e0196946.	1.1	21
54	p250GAP Is a Novel Player in the Cdh1-APC/Smurf1 Pathway of Axon Growth Regulation. PLoS ONE, 2012, 7, e50735.	1.1	21

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55	The p250GAP Gene Is Associated with Risk for Schizophrenia and Schizotypal Personality Traits. PLoS ONE, 2012, 7, e35696.	1.1	20
56	Increased Behavioral and Neuronal Responses to a Hallucinogenic Drug in PACAP Heterozygous Mutant Mice. PLoS ONE, 2014, 9, e89153.	1.1	20
57	Knockdown of the mitochondriaâ€localized protein p13 protects against experimental parkinsonism. EMBO Reports, 2018, 19, .	2.0	19
58	Dopamine-induced tyrosine phosphorylation of NR2B (Tyr1472) is essential for ERK1/2 activation and processing of novel taste information. Frontiers in Molecular Neuroscience, 2014, 7, 66.	1.4	18
59	Central CRTH2, a Second Prostaglandin D₂Receptor, Mediates Emotional Impairment in the Lipopolysaccharide and Tumor-Induced Sickness Behavior Model. Journal of Neuroscience, 2014, 34, 2514-2523.	1.7	17
60	LMTK3 Deficiency Causes Pronounced Locomotor Hyperactivity and Impairs Endocytic Trafficking. Journal of Neuroscience, 2014, 34, 5927-5937.	1.7	17
61	Pituitary Adenylate Cyclase-Activating Polypeptide Modulates Dendritic Spine Maturation and Morphogenesis via MicroRNA-132 Upregulation. Journal of Neuroscience, 2019, 39, 4208-4220.	1.7	17
62	Intranasal oxytocin administration ameliorates social behavioral deficits in a POGZWT/Q1038R mouse model of autism spectrum disorder. Molecular Brain, 2021, 14, 56.	1.3	15
63	Behavioral characterization of mice overexpressing human dysbindin-1. Molecular Brain, 2014, 7, 74.	1.3	12
64	mS-11, a mimetic of the mSin3-binding helix in NRSF, ameliorates social interaction deficits in a prenatal valproic acid-induced autism mouse model. Pharmacology Biochemistry and Behavior, 2019, 176, 1-5.	1.3	12
65	Identification of the role of bone morphogenetic protein (<scp>BMP</scp>) and transforming growth factorâ€Î² (TGFâ€Î²) signaling in the trajectory of serotonergic differentiation in a rapid assay in mouse embryonic stem cells in vitro. Journal of Neurochemistry, 2015, 132, 418-428.	2.1	11
66	Double In situ Hybridization for MicroRNAs and mRNAs in Brain Tissues. Frontiers in Molecular Neuroscience, 2016, 9, 126.	1.4	11
67	Modeling of psychiatric disorders using induced pluripotent stem cell-related technologies. Journal of Pharmacological Sciences, 2019, 140, 321-324.	1.1	11
68	Activation of the VPAC2 Receptor Impairs Axon Outgrowth and Decreases Dendritic Arborization in Mouse Cortical Neurons by a PKA-Dependent Mechanism. Frontiers in Neuroscience, 2020, 14, 521.	1.4	11
69	An Autism-Associated Neuroligin-3 Mutation Affects Developmental Synapse Elimination in the Cerebellum. Frontiers in Neural Circuits, 2021, 15, 676891.	1.4	11
70	Cloning and Characterization ofEPD2, a Gene Required for Efficient Pseudohyphal Formation of a Dimorphic Yeast,Candida maltosa. Bioscience, Biotechnology and Biochemistry, 2000, 64, 369-377.	0.6	10
71	Altered Gene Expression in the Adult Brain of fyn-Deficient Mice. Cellular and Molecular Neurobiology, 2004, 24, 149-159.	1.7	10
72	Simultaneous neuron- and astrocyte-specific fluorescent marking. Biochemical and Biophysical Research Communications, 2015, 459, 81-86.	1.0	10

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73	Involvement of Brain-Enriched Guanylate Kinase-Associated Protein (BEGAIN) in Chronic Pain after Peripheral Nerve Injury. ENeuro, 2016, 3, ENEURO.0110-16.2016.	0.9	10
74	Postsynaptic structure formation of human iPS cell-derived neurons takes longer than presynaptic formation during neural differentiation in vitro. Molecular Brain, 2021, 14, 149.	1.3	10
75	Phosphorylation at Tyr-694 of Nogo-A by Src-family kinases. Biochemical and Biophysical Research Communications, 2006, 349, 1401-1405.	1.0	8
76	p13 overexpression in pancreatic Î²-cells ameliorates type 2 diabetes inÂhigh-fat-fed mice. Biochemical and Biophysical Research Communications, 2015, 461, 612-617.	1.0	8
77	Critical involvement of the orbitofrontal cortex in hyperlocomotion induced by NMDA receptor blockade in mice. Biochemical and Biophysical Research Communications, 2016, 480, 558-563.	1.0	8
78	Prostaglandin D2 signaling mediated by the CRTH2 receptor is involved in MK-801-induced cognitive dysfunction. Behavioural Brain Research, 2016, 314, 77-86.	1.2	7
79	Phosphorylation of NMDA receptor GluN2B subunit at Tyr1472 is important for trigeminal processing of itch. European Journal of Neuroscience, 2016, 44, 2474-2482.	1.2	7
80	Autism-associated ANK2 regulates embryonic neurodevelopment. Biochemical and Biophysical Research Communications, 2022, 605, 45-50.	1.0	7
81	Multiple alterations in glutamatergic transmission and dopamine D2 receptor splicing in induced pluripotent stem cell-derived neurons from patients with familial schizophrenia. Translational Psychiatry, 2021, 11, 548.	2.4	6
82	Lipocalin-type prostaglandin D synthase regulates light-induced phase advance of the central circadian rhythm in mice. Communications Biology, 2020, 3, 557.	2.0	5
83	Modeling schizophrenia with iPS cell technology and disease mouse models. Neuroscience Research, 2022, 175, 46-52.	1.0	5
84	NMDAR2B tyrosine phosphorylation is involved in thermal nociception. Neuroscience Letters, 2012, 516, 270-273.	1.0	4
85	Methylation Analysis in Monozygotic Twins With Treatment-Resistant Schizophrenia and Discordant Responses to Clozapine. Frontiers in Psychiatry, 2021, 12, 734606.	1.3	4
86	PACAPâ€“PAC1 Signaling Regulates Serotonin 2A Receptor Internalization. Frontiers in Endocrinology, 2021, 12, 732456.	1.5	4
87	Oxytocin ameliorates impaired social behavior in a mouse model of 3q29 deletion syndrome. Molecular Brain, 2022, 15, 26.	1.3	4
88	Autism-associated protein kinase D2 regulates embryonic cortical neuron development. Biochemical and Biophysical Research Communications, 2019, 519, 626-632.	1.0	3
89	Molecular characterization of a novel RhoGAP, RRC-1 of the nematode Caenorhabditis elegans. Biochemical and Biophysical Research Communications, 2007, 357, 377-382.	1.0	2
90	Comparative gene expression profiles in pancreatic islets associated with agouti yellow mutation and PACAP overexpression in mice. Biochemistry and Biophysics Reports, 2015, 2, 179-183.	0.7	1

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91	Unbiased compound screening with a reporter gene assay highlights the role of p13 in the cardiac cellular stress response. Biochemical and Biophysical Research Communications, 2018, 495, 1992-1997.	1.0	1
92	The de novo Q1042R POGZ mutation in sporadic ASD disrupts the neuronal differentiation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-67.	0.0	0
93	Protein kinase D2 (PRKD2) regulates embryonic neural development. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-53.	0.0	0
94	Whole-brain mapping of neuronal activity in mice after social defeat stress. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-36.	0.0	0
95	Effects of intranasal oxytocin on autism-like behavioral abnormalities in valproic acid-induced mouse model of autism. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-77.	0.0	0