

Takanobu Nakazawa

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95
papers

3,443
citations

32
h-index

57
g-index

101
ext. papers

3,971
ext. citations

6.2
avg, IF

4.52
L-index

#	Paper	IF	Citations
95	microRNA modulation of circadian-clock period and entrainment. <i>Neuron</i> , 2007 , 54, 813-29	13.9	472
94	Characterization of Fyn-mediated tyrosine phosphorylation sites on GluR epsilon 2 (NR2B) subunit of the N-methyl-D-aspartate receptor. <i>Journal of Biological Chemistry</i> , 2001 , 276, 693-9	5.4	381
93	Lithium protection against glutamate excitotoxicity in rat cerebral cortical neurons: involvement of NMDA receptor inhibition possibly by decreasing NR2B tyrosine phosphorylation. <i>Journal of Neurochemistry</i> , 2002 , 80, 589-97	6	262
92	Fyn kinase-mediated phosphorylation of NMDA receptor NR2B subunit at Tyr1472 is essential for maintenance of neuropathic pain. <i>European Journal of Neuroscience</i> , 2005 , 22, 1445-54	3.5	143
91	NR2B tyrosine phosphorylation modulates fear learning as well as amygdaloid synaptic plasticity. <i>EMBO Journal</i> , 2006 , 25, 2867-77	13	125
90	Retrograde semaphorin signaling regulates synapse elimination in the developing mouse brain. <i>Science</i> , 2014 , 344, 1020-3	33.3	91
89	p250GAP, a novel brain-enriched GTPase-activating protein for Rho family GTPases, is involved in the N-methyl-d-aspartate receptor signaling. <i>Molecular Biology of the Cell</i> , 2003 , 14, 2921-34	3.5	83
88	Brain-derived neurotrophic factor rapidly increases NMDA receptor channel activity through Fyn-mediated phosphorylation. <i>Brain Research</i> , 2006 , 1121, 22-34	3.7	82
87	Involvement of NMDAR2A tyrosine phosphorylation in depression-related behaviour. <i>EMBO Journal</i> , 2009 , 28, 3717-29	13	73
86	Retrograde BDNF to TrkB signaling promotes synapse elimination in the developing cerebellum. <i>Nature Communications</i> , 2017 , 8, 195	17.4	66
85	High-Speed and Scalable Whole-Brain Imaging in Rodents and Primates. <i>Neuron</i> , 2017 , 94, 1085-1100. e6	13.9	65
84	Metaplasticity gated through differential regulation of GluN2A versus GluN2B receptors by Src family kinases. <i>EMBO Journal</i> , 2012 , 31, 805-16	13	63
83	Leptin induces hippocampal synaptogenesis via CREB-regulated microRNA-132 suppression of p250GAP. <i>Molecular Endocrinology</i> , 2014 , 28, 1073-87		61
82	Involvement of spinal phosphorylation cascade of Tyr1472-NR2B, Thr286-CaMKII, and Ser831-GluR1 in neuropathic pain. <i>Neuropharmacology</i> , 2011 , 60, 609-16	5.5	57
81	Tyrosine dephosphorylation and ethanol inhibition of N-Methyl-D-aspartate receptor function. <i>Journal of Biological Chemistry</i> , 2003 , 278, 11020-5	5.4	57
80	Whole-exome sequencing and neurite outgrowth analysis in autism spectrum disorder. <i>Journal of Human Genetics</i> , 2016 , 61, 199-206	4.3	52
79	Protocadherin 17 regulates presynaptic assembly in topographic corticobasal Ganglia circuits. <i>Neuron</i> , 2013 , 78, 839-54	13.9	52

78	Involvement of BREK, a serine/threonine kinase enriched in brain, in NGF signalling. <i>Genes To Cells</i> , 2004 , 9, 219-32	2.3	50
77	Impairment of CaMKII activation and attenuation of neuropathic pain in mice lacking NR2B phosphorylated at Tyr1472. <i>European Journal of Neuroscience</i> , 2010 , 32, 798-810	3.5	49
76	Regulation of dendritic spine morphology by an NMDA receptor-associated Rho GTPase-activating protein, p250GAP. <i>Journal of Neurochemistry</i> , 2008 , 105, 1384-93	6	49
75	Loss of Fyn tyrosine kinase on the C57BL/6 genetic background causes hydrocephalus with defects in oligodendrocyte development. <i>Molecular and Cellular Neurosciences</i> , 2008 , 38, 203-12	4.8	45
74	NYAP: a phosphoprotein family that links PI3K to WAVE1 signalling in neurons. <i>EMBO Journal</i> , 2011 , 30, 4739-54	13	44
73	Environmental enrichment attenuates behavioral abnormalities in valproic acid-exposed autism model mice. <i>Behavioural Brain Research</i> , 2017 , 333, 67-73	3.4	39
72	Activation of Fyn tyrosine kinase in the mouse dorsal hippocampus is essential for contextual fear conditioning. <i>European Journal of Neuroscience</i> , 2008 , 28, 973-81	3.5	39
71	p250GAP, a neural RhoGAP protein, is associated with and phosphorylated by Fyn. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 306, 151-5	3.4	39
70	(R)-Ketamine Induces a Greater Increase in Prefrontal 5-HT Release Than (S)-Ketamine and Ketamine Metabolites via an AMPA Receptor-Independent Mechanism. <i>International Journal of Neuropsychopharmacology</i> , 2019 , 22, 665-674	5.8	38
69	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. <i>Schizophrenia Research</i> , 2017 , 181, 75-82	3.6	36
68	Isolation and characterization of EPD1, an essential gene for pseudohyphal growth of a dimorphic yeast, <i>Candida maltosa</i> . <i>Journal of Bacteriology</i> , 1998 , 180, 2079-86	3.5	35
67	PACAP enhances axon outgrowth in cultured hippocampal neurons to a comparable extent as BDNF. <i>PLoS ONE</i> , 2015 , 10, e0120526	3.7	34
66	Distinct expression patterns of the subunits of the CCR4-NOT deadenylase complex during neural development. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 411, 360-4	3.4	34
65	Azoospermia in mice with targeted disruption of the Brek/Lmtk2 (brain-enriched kinase/lemur tyrosine kinase 2) gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 19344-9	11.5	34
64	Oxytocin attenuates deficits in social interaction but not recognition memory in a prenatal valproic acid-induced mouse model of autism. <i>Hormones and Behavior</i> , 2017 , 96, 130-136	3.7	32
63	NR2B phosphorylation at tyrosine 1472 contributes to brain injury in a rodent model of neonatal hypoxia-ischemia. <i>Stroke</i> , 2014 , 45, 3040-7	6.7	32
62	Differential effects of hypoxia-ischemia on subunit expression and tyrosine phosphorylation of the NMDA receptor in 7- and 21-day-old rats. <i>Journal of Neurochemistry</i> , 2002 , 82, 848-56	6	30
61	Pathogenic POGZ mutation causes impaired cortical development and reversible autism-like phenotypes. <i>Nature Communications</i> , 2020 , 11, 859	17.4	29

60	Effect of Clozapine on DNA Methylation in Peripheral Leukocytes from Patients with Treatment-Resistant Schizophrenia. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	29
59	NMDAR2B tyrosine phosphorylation regulates anxiety-like behavior and CRF expression in the amygdala. <i>Molecular Brain</i> , 2010 , 3, 37	4.5	29
58	Receptor tyrosine phosphatase sigma (RPTP) regulates, p250GAP, a novel substrate that attenuates Rac signaling. <i>Cellular Signalling</i> , 2010 , 22, 1626-33	4.9	27
57	Neurotensin type 2 receptor is involved in fear memory in mice. <i>Journal of Neurochemistry</i> , 2007 , 102, 1669-1676	6	27
56	Emerging roles of ARHGAP33 in intracellular trafficking of TrkB and pathophysiology of neuropsychiatric disorders. <i>Nature Communications</i> , 2016 , 7, 10594	17.4	24
55	Physical and functional interaction of Fyn tyrosine kinase with a brain-enriched Rho GTPase-activating protein TCGAP. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23611-9	5.4	24
54	Involvement of Tyr1472 phosphorylation of NMDA receptor NR2B subunit in postherpetic neuralgia in model mice. <i>Molecular Pain</i> , 2012 , 8, 59	3.4	21
53	Risperidone and aripiprazole alleviate prenatal valproic acid-induced abnormalities in behaviors and dendritic spine density in mice. <i>Psychopharmacology</i> , 2017 , 234, 3217-3228	4.7	20
52	(S)-norketamine and (2S,6S)-hydroxynorketamine exert potent antidepressant-like effects in a chronic corticosterone-induced mouse model of depression. <i>Pharmacology Biochemistry and Behavior</i> , 2020 , 191, 172876	3.9	19
51	p250GAP is a novel player in the Cdh1-APC/Smurf1 pathway of axon growth regulation. <i>PLoS ONE</i> , 2012 , 7, e50735	3.7	19
50	Whole-brain block-face serial microscopy tomography at subcellular resolution using FAST. <i>Nature Protocols</i> , 2019 , 14, 1509-1529	18.8	18
49	De novo POGZ mutations in sporadic autism disrupt the DNA-binding activity of POGZ. <i>Journal of Molecular Psychiatry</i> , 2016 , 4, 1		18
48	CRTH2, a prostaglandin D2 receptor, mediates depression-related behavior in mice. <i>Behavioural Brain Research</i> , 2015 , 284, 131-7	3.4	18
47	Increased behavioral and neuronal responses to a hallucinogenic drug in PACAP heterozygous mutant mice. <i>PLoS ONE</i> , 2014 , 9, e89153	3.7	18
46	The p250GAP gene is associated with risk for schizophrenia and schizotypal personality traits. <i>PLoS ONE</i> , 2012 , 7, e35696	3.7	17
45	Psychiatric-disorder-related behavioral phenotypes and cortical hyperactivity in a mouse model of 3q29 deletion syndrome. <i>Neuropsychopharmacology</i> , 2019 , 44, 2125-2135	8.7	16
44	Prenatal exposure to valproic acid increases miR-132 levels in the mouse embryonic brain. <i>Molecular Autism</i> , 2017 , 8, 33	6.5	16
43	Dopamine-induced tyrosine phosphorylation of NR2B (Tyr1472) is essential for ERK1/2 activation and processing of novel taste information. <i>Frontiers in Molecular Neuroscience</i> , 2014 , 7, 66	6.1	15

42	Behavioral characterization of mice overexpressing human dysbindin-1. <i>Molecular Brain</i> , 2014 , 7, 74	4.5	12
41	Central CRTH2, a second prostaglandin D2 receptor, mediates emotional impairment in the lipopolysaccharide and tumor-induced sickness behavior model. <i>Journal of Neuroscience</i> , 2014 , 34, 2514-23	6.6	12
40	LMTK3 deficiency causes pronounced locomotor hyperactivity and impairs endocytic trafficking. <i>Journal of Neuroscience</i> , 2014 , 34, 5927-37	6.6	12
39	Pituitary Adenylate Cyclase-Activating Polypeptide Modulates Dendritic Spine Maturation and Morphogenesis via MicroRNA-132 Upregulation. <i>Journal of Neuroscience</i> , 2019 , 39, 4208-4220	6.6	10
38	Knockdown of the mitochondria-localized protein p13 protects against experimental parkinsonism. <i>EMBO Reports</i> , 2018 , 19,	6.5	10
37	Cloning and characterization of EPD2, a gene required for efficient pseudohyphal formation of a dimorphic yeast, <i>Candida maltosa</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2000 , 64, 369-77	2.1	10
36	Arrestin1 and 2 differentially regulate PACAP-induced PAC1 receptor signaling and trafficking. <i>PLoS ONE</i> , 2018 , 13, e0196946	3.7	10
35	Identification of the role of bone morphogenetic protein (BMP) and transforming growth factor- β (TGF- β) signaling in the trajectory of serotonergic differentiation in a rapid assay in mouse embryonic stem cells in vitro. <i>Journal of Neurochemistry</i> , 2015 , 132, 418-28	6	9
34	Altered gene expression in the adult brain of fyn-deficient mice. <i>Cellular and Molecular Neurobiology</i> , 2004 , 24, 149-59	4.6	9
33	Critical involvement of the orbitofrontal cortex in hyperlocomotion induced by NMDA receptor blockade in mice. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 480, 558-563	3.4	8
32	Modeling of psychiatric disorders using induced pluripotent stem cell-related technologies. <i>Journal of Pharmacological Sciences</i> , 2019 , 140, 321-324	3.7	8
31	Simultaneous neuron- and astrocyte-specific fluorescent marking. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 459, 81-6	3.4	7
30	Phosphorylation at Tyr-694 of Nogo-A by Src-family kinases. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 349, 1401-5	3.4	7
29	Double Hybridization for MicroRNAs and mRNAs in Brain Tissues. <i>Frontiers in Molecular Neuroscience</i> , 2016 , 9, 126	6.1	7
28	p13 overexpression in pancreatic β cells ameliorates type 2 diabetes in high-fat-fed mice. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 461, 612-7	3.4	6
27	Prostaglandin D2 signaling mediated by the CRTH2 receptor is involved in MK-801-induced cognitive dysfunction. <i>Behavioural Brain Research</i> , 2016 , 314, 77-86	3.4	5
26	Phosphorylation of NMDA receptor GluN2B subunit at Tyr1472 is important for trigeminal processing of itch. <i>European Journal of Neuroscience</i> , 2016 , 44, 2474-2482	3.5	5
25	Involvement of Brain-Enriched Guanylate Kinase-Associated Protein (BEGAIN) in Chronic Pain after Peripheral Nerve Injury. <i>ENeuro</i> , 2016 , 3,	3.9	5

24	Trends in big data analyses by multicenter collaborative translational research in psychiatry. <i>Psychiatry and Clinical Neurosciences</i> , 2021 ,	6.2	5
23	Intranasal oxytocin administration ameliorates social behavioral deficits in a POGZ mouse model of autism spectrum disorder. <i>Molecular Brain</i> , 2021 , 14, 56	4.5	5
22	NMDAR2B tyrosine phosphorylation is involved in thermal nociception. <i>Neuroscience Letters</i> , 2012 , 516, 270-3	3.3	4
21	mS-11, a mimetic of the mSin3-binding helix in NRSF, ameliorates social interaction deficits in a prenatal valproic acid-induced autism mouse model. <i>Pharmacology Biochemistry and Behavior</i> , 2019 , 176, 1-5	3.9	4
20	Activation of the VPAC2 Receptor Impairs Axon Outgrowth and Decreases Dendritic Arborization in Mouse Cortical Neurons by a PKA-Dependent Mechanism. <i>Frontiers in Neuroscience</i> , 2020 , 14, 521	5.1	3
19	Implications of PACAP Signaling in Psychiatric Disorders. <i>Current Topics in Neurotoxicity</i> , 2016 , 757-766		3
18	Lipocalin-type prostaglandin D synthase regulates light-induced phase advance of the central circadian rhythm in mice. <i>Communications Biology</i> , 2020 , 3, 557	6.7	3
17	Autism-associated protein kinase D2 regulates embryonic cortical neuron development. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 519, 626-632	3.4	2
16	Postsynaptic structure formation of human iPS cell-derived neurons takes longer than presynaptic formation during neural differentiation in vitro. <i>Molecular Brain</i> , 2021 , 14, 149	4.5	2
15	Comparative gene expression profiles in pancreatic islets associated with agouti yellow mutation and PACAP overexpression in mice. <i>Biochemistry and Biophysics Reports</i> , 2015 , 2, 179-183	2.2	1
14	Molecular characterization of a novel RhoGAP, RRC-1 of the nematode <i>Caenorhabditis elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007 , 357, 377-82	3.4	1
13	PACAP-PAC1 Signaling Regulates Serotonin 2A Receptor Internalization. <i>Frontiers in Endocrinology</i> , 2021 , 12, 732456	5.7	1
12	Multiple alterations in glutamatergic transmission and dopamine D2 receptor splicing in induced pluripotent stem cell-derived neurons from patients with familial schizophrenia. <i>Translational Psychiatry</i> , 2021 , 11, 548	8.6	1
11	An Autism-Associated Neuroligin-3 Mutation Affects Developmental Synapse Elimination in the Cerebellum. <i>Frontiers in Neural Circuits</i> , 2021 , 15, 676891	3.5	1
10	Unbiased compound screening with a reporter gene assay highlights the role of p13 in the cardiac cellular stress response. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 1992-1997	3.4	1
9	Methylation Analysis in Monozygotic Twins With Treatment-Resistant Schizophrenia and Discordant Responses to Clozapine. <i>Frontiers in Psychiatry</i> , 2021 , 12, 734606	5	1
8	Toward recovery in schizophrenia: current concepts, findings, and future research directions.. <i>Psychiatry and Clinical Neurosciences</i> , 2022 ,	6.2	1
7	Clastrum mediates bidirectional and reversible control of stress-induced anxiety responses.. <i>Science Advances</i> , 2022 , 8, eabi6375	14.3	1

- 6 Molecular brain (micro report) oxytocin ameliorates impaired social behavior in a mouse model of 3q29 deletion syndrome.. *Molecular Brain*, **2022**, 15, 26 4-5 ○
- 5 Autism-associated ANK2 regulates embryonic neurodevelopment.. *Biochemical and Biophysical Research Communications*, **2022**, 605, 45-50 3-4 ○
- 4 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 ○
- 3 Protein kinase D2 (PRKD2) regulates embryonic neural development. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO4-1-53 ○
- 2 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 ○
- 1 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 ○