

# Noritaka Nakamichi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93  
papers

2,134  
citations

24  
h-index

40  
g-index

101  
ext. papers

2,412  
ext. citations

4.4  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
93	RAGE-mediated signaling contributes to intraneuronal transport of amyloid-beta and neuronal dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 20021-6	11.5	218
92	Dopamine D1 receptors regulate protein synthesis-dependent long-term recognition memory via extracellular signal-regulated kinase 1/2 in the prefrontal cortex. <i>Learning and Memory</i> , <b>2007</b> , 14, 117-25 <sup>2.8</sup>		143
91	Chronic vitamin D3 treatment protects against neurotoxicity by glutamate in association with upregulation of vitamin D receptor mRNA expression in cultured rat cortical neurons. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 83, 1179-89	4.4	107
90	The rewards of nicotine: regulation by tissue plasminogen activator-plasmin system through protease activated receptor-1. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 12374-83	6.6	57
89	Blockade by ferrous iron of Ca <sup>2+</sup> influx through N-methyl-D-aspartate receptor channels in immature cultured rat cortical neurons. <i>Journal of Neurochemistry</i> , <b>2002</b> , 83, 1-11	6	51
88	Involvement of carnitine/organic cation transporter OCTN1/SLC22A4 in gastrointestinal absorption of metformin. <i>Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 102, 3407-17	3.9	49
87	Possible protection by notoginsenoside R1 against glutamate neurotoxicity mediated by N-methyl-D-aspartate receptors composed of an NR1/NR2B subunit assembly. <i>Journal of Neuroscience Research</i> , <b>2009</b> , 87, 2145-56	4.4	48
86	An increase in intracellular free calcium ions by nicotinic acetylcholine receptors in a single cultured rat cortical astrocyte. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 79, 535-44	4.4	48
85	Functional expression of carnitine/organic cation transporter OCTN1/SLC22A4 in mouse small intestine and liver. <i>Drug Metabolism and Disposition</i> , <b>2010</b> , 38, 1665-72	4	46
84	Neurogenesis mediated by gamma-aminobutyric acid and glutamate signaling. <i>Journal of Pharmacological Sciences</i> , <b>2009</b> , 110, 133-49	3.7	45
83	Food-derived hydrophilic antioxidant ergothioneine is distributed to the brain and exerts antidepressant effect in mice. <i>Brain and Behavior</i> , <b>2016</b> , 6, e00477	3.4	42
82	Direct inhibition and down-regulation by uremic plasma components of hepatic uptake transporter for SN-38, an active metabolite of irinotecan, in humans. <i>Pharmaceutical Research</i> , <b>2014</b> , 31, 204-15	4.5	41
81	Functional expression of carnitine/organic cation transporter OCTN1 in mouse brain neurons: possible involvement in neuronal differentiation. <i>Neurochemistry International</i> , <b>2012</b> , 61, 1121-32	4.4	41
80	Modulation of cellular proliferation and differentiation through GABA(B) receptors expressed by undifferentiated neural progenitor cells isolated from fetal mouse brain. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 216, 507-19	7	39
79	Protection by exogenous pyruvate through a mechanism related to monocarboxylate transporters against cell death induced by hydrogen peroxide in cultured rat cortical neurons. <i>Journal of Neurochemistry</i> , <b>2005</b> , 93, 84-93	6	39
78	PDZK1 regulates breast cancer resistance protein in small intestine. <i>Drug Metabolism and Disposition</i> , <b>2011</b> , 39, 2148-54	4	38
77	Glutamate inhibits chondral mineralization through apoptotic cell death mediated by retrograde operation of the cystine/glutamate antiporter. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 24553-65	5.4	37

76	Critical evaluation and methodological positioning of the transdermal microdialysis technique. A review. <i>Journal of Controlled Release</i> , <b>2016</b> , 233, 147-61	11.7	33
75	Organic cation transporter-mediated ergothioneine uptake in mouse neural progenitor cells suppresses proliferation and promotes differentiation into neurons. <i>PLoS ONE</i> , <b>2014</b> , 9, e89434	3.7	30
74	Role of organic cation/carnitine transporter 1 in uptake of phenformin and inhibitory effect on complex I respiration in mitochondria. <i>Toxicological Sciences</i> , <b>2013</b> , 132, 32-42	4.4	29
73	Activator protein-1 complex expressed by magnetism in cultured rat hippocampal neurons. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 292, 200-7	3.4	29
72	Pharmacokinetics and hepatic uptake of eltrombopag, a novel platelet-increasing agent. <i>Drug Metabolism and Disposition</i> , <b>2011</b> , 39, 1088-96	4	27
71	Dual mechanisms of Ca(2+) increases elicited by N-methyl-D-aspartate in immature and mature cultured cortical neurons. <i>Journal of Neuroscience Research</i> , <b>2002</b> , 67, 275-83	4.4	26
70	Possible neuroprotective property of nicotinic acetylcholine receptors in association with predominant upregulation of glial cell line-derived neurotrophic factor in astrocytes. <i>Journal of Neuroscience Research</i> , <b>2012</b> , 90, 2074-85	4.4	25
69	Inhibition by 2-methoxy-4-ethylphenol of Ca2+ influx through acquired and native N-methyl-D-aspartate-receptor channels. <i>Journal of Pharmacological Sciences</i> , <b>2010</b> , 112, 273-81	3.7	24
68	Activation of GABA(A) receptors facilitates astroglial differentiation induced by ciliary neurotrophic factor in neural progenitors isolated from fetal rat brain. <i>Journal of Neurochemistry</i> , <b>2007</b> , 100, 1667-79	6	24
67	High-Speed SICM for the Visualization of Nanoscale Dynamic Structural Changes in Hippocampal Neurons. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2159-2167	7.8	24
66	ATP binding cassette transporters in two distinct compartments of the skin contribute to transdermal absorption of a typical substrate. <i>Journal of Controlled Release</i> , <b>2013</b> , 165, 54-61	11.7	23
65	Group III metabotropic glutamate receptor activation suppresses self-replication of undifferentiated neocortical progenitor cells. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 1996-2012	6	23
64	Transient suppression of progenitor cell proliferation through NMDA receptors in hippocampal dentate gyrus of mice with traumatic stress experience. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 1642-55	6	22
63	Insensitivity to glutamate neurotoxicity mediated by NMDA receptors in association with delayed mitochondrial membrane potential disruption in cultured rat cortical neurons. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 1886-900	6	22
62	Promoted neuronal differentiation after activation of alpha4/beta2 nicotinic acetylcholine receptors in undifferentiated neural progenitors. <i>PLoS ONE</i> , <b>2012</b> , 7, e46177	3.7	22
61	Promotion of both proliferation and neuronal differentiation in pluripotent P19 cells with stable overexpression of the glutamine transporter slc38a1. <i>PLoS ONE</i> , <b>2012</b> , 7, e48270	3.7	22
60	Interaction of novel platelet-increasing agent eltrombopag with rosuvastatin via breast cancer resistance protein in humans. <i>Drug Metabolism and Disposition</i> , <b>2014</b> , 42, 726-34	4	21
59	PDZK1 regulates organic anion transporting polypeptide Oatp1a in mouse small intestine. <i>Drug Metabolism and Pharmacokinetics</i> , <b>2010</b> , 25, 588-98	2.2	21

58	Promotion of neuronal differentiation through activation of N-methyl-D-aspartate receptors transiently expressed by undifferentiated neural progenitor cells in fetal rat neocortex. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 2392-402	4.4	21
57	A mutation in SLC22A4 encoding an organic cation transporter expressed in the cochlea stria endothelium causes human recessive non-syndromic hearing loss DFNB60. <i>Human Genetics</i> , <b>2016</b> , 135, 513-524	6.3	21
56	Organic cation transporter Octn1-mediated uptake of food-derived antioxidant ergothioneine into infiltrating macrophages during intestinal inflammation in mice. <i>Drug Metabolism and Pharmacokinetics</i> , <b>2015</b> , 30, 231-9	2.2	20
55	Differential in vitro degradation of particular Fos family members expressed by kainic acid in nuclear and cytosolic fractions of murine hippocampus. <i>Journal of Neuroscience Research</i> , <b>2001</b> , 64, 34-42	4.4	20
54	L503F variant of carnitine/organic cation transporter 1 efficiently transports metformin and other biguanides. <i>Journal of Pharmacy and Pharmacology</i> , <b>2016</b> , 68, 1160-9	4.8	19
53	Exacerbated vulnerability to oxidative stress in astrocytic C6 glioma cells with stable overexpression of the glutamine transporter slc38a1. <i>Neurochemistry International</i> , <b>2011</b> , 58, 504-11	4.4	19
52	Involvement of tissue plasminogen activator-plasmin system in depolarization-evoked dopamine release in the nucleus accumbens of mice. <i>Molecular Pharmacology</i> , <b>2006</b> , 70, 1720-5	4.3	19
51	A protein-protein interaction of stress-responsive myosin VI endowed to inhibit neural progenitor self-replication with RNA binding protein, TLS, in murine hippocampus. <i>Journal of Neurochemistry</i> , <b>2009</b> , 110, 1457-68	6	18
50	Functional expression of A glutamine transporter responsive to down-regulation by lipopolysaccharide through reduced promoter activity in cultured rat neocortical astrocytes. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 83, 1447-60	4.4	18
49	Nuclear transcription factors in the hippocampus. <i>Progress in Neurobiology</i> , <b>2002</b> , 68, 145-65	10.9	18
48	Relevant modulation by ferrous ions of N-methyl-D-aspartate receptors in ischemic brain injuries. <i>Current Neurovascular Research</i> , <b>2004</b> , 1, 429-40	1.8	18
47	A possible pivotal role of mitochondrial free calcium in neurotoxicity mediated by N-methyl-d-aspartate receptors in cultured rat hippocampal neurons. <i>Neurochemistry International</i> , <b>2011</b> , 59, 10-20	4.4	17
46	Possible promotion of neuronal differentiation in fetal rat brain neural progenitor cells after sustained exposure to static magnetism. <i>Journal of Neuroscience Research</i> , <b>2009</b> , 87, 2406-17	4.4	17
45	Localization of Xenobiotic Transporter OCTN1/SLC22A4 in Hepatic Stellate Cells and Its Protective Role in Liver Fibrosis. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 1779-1789	3.9	17
44	Organic Cation Transporter 1 Is Responsible for Hepatocellular Uptake of the Tyrosine Kinase Inhibitor Pazopanib. <i>Drug Metabolism and Disposition</i> , <b>2018</b> , 46, 33-40	4	16
43	Upregulation of the glutamine transporter through transactivation mediated by cAMP/protein kinase A signals toward exacerbation of vulnerability to oxidative stress in rat neocortical astrocytes. <i>Journal of Cellular Physiology</i> , <b>2007</b> , 212, 375-85	7	15
42	Involvement of the Transporters P-Glycoprotein and Breast Cancer Resistance Protein in Dermal Distribution of the Multikinase Inhibitor Regorafenib and Its Active Metabolites. <i>Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 106, 2632-2641	3.9	13
41	Transferrin receptor-1 suppresses neurite outgrowth in neuroblastoma Neuro2A cells. <i>Neurochemistry International</i> , <b>2012</b> , 60, 448-57	4.4	13

40	Induced tolerance to glutamate neurotoxicity through down-regulation of NR2 subunits of N-methyl-D-aspartate receptors in cultured rat striatal neurons. <i>Journal of Neuroscience Research</i> , <b>2010</b> , 88, 2177-87	4.4	13
39	P-Glycoprotein in skin contributes to transdermal absorption of topical corticosteroids. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 521, 365-373	6.5	12
38	Physiological Roles of Carnitine/Organic Cation Transporter OCTN1/SLC22A4 in Neural Cells. <i>Biological and Pharmaceutical Bulletin</i> , <b>2017</b> , 40, 1146-1152	2.3	12
37	Activator protein-1 responsive to the group II metabotropic glutamate receptor subtype in association with intracellular calcium in cultured rat cortical neurons. <i>Neurochemistry International</i> , <b>2007</b> , 51, 467-75	4.4	11
36	Effects of intraocular injection of a low concentration of zinc on the rat retina. <i>Neuropharmacology</i> , <b>2003</b> , 45, 637-48	5.5	11
35	Degradation of c-Fos protein expressed by N-methyl-D-aspartic acid in nuclear fractions of murine hippocampus. <i>Brain Research</i> , <b>2001</b> , 905, 34-43	3.7	11
34	Carnitine/Organic Cation Transporter OCTN1 Negatively Regulates Activation in Murine Cultured Microglial Cells. <i>Neurochemical Research</i> , <b>2018</b> , 43, 116-128	4.6	10
33	Characterization of Long-Lasting Oatp Inhibition by Typical Inhibitor Cyclosporine A and In Vitro-In Vivo Discrepancy in Its Drug Interaction Potential in Rats. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 2231-9	3.9	10
32	Daily oral intake of theanine prevents the decline of 5-bromo-2-deoxyuridine incorporation in hippocampal dentate gyrus with concomitant alleviation of behavioral abnormalities in adult mice with severe traumatic stress. <i>Journal of Pharmacological Sciences</i> , <b>2015</b> , 127, 292-7	3.7	10
31	Requirement of both NR3A and NR3B subunits for dominant negative properties on Ca <sup>2+</sup> mobilization mediated by acquired N-methyl-D-aspartate receptor channels into mitochondria. <i>Neurochemistry International</i> , <b>2010</b> , 57, 730-7	4.4	10
30	Upregulation of Myo6 expression after traumatic stress in mouse hippocampus. <i>Neuroscience Letters</i> , <b>2008</b> , 433, 183-7	3.3	10
29	Oral Administration of the Food-Derived Hydrophilic Antioxidant Ergothioneine Enhances Object Recognition Memory in Mice. <i>Current Molecular Pharmacology</i> , <b>2021</b> , 14, 220-233	3.7	10
28	Upregulation of Slc38a1 Gene Along with Promotion of Neurosphere Growth and Subsequent Neuronal Specification in Undifferentiated Neural Progenitor Cells Exposed to Theanine. <i>Neurochemical Research</i> , <b>2016</b> , 41, 5-15	4.6	9
27	Possible activation by the green tea amino acid theanine of mammalian target of rapamycin signaling in undifferentiated neural progenitor cells. <i>Biochemistry and Biophysics Reports</i> , <b>2016</b> , 5, 89-95	2.2	9
26	Up-regulation of ciliary neurotrophic factor receptor expression by GABA <sub>A</sub> receptors in undifferentiated neural progenitors of fetal mouse brain. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 2615-23	4.4	9
25	Functional proteins involved in regulation of intracellular Ca <sup>2+</sup> for drug development: desensitization of N-methyl-D-aspartate receptor channels. <i>Journal of Pharmacological Sciences</i> , <b>2005</b> , 97, 348-50	3.7	9
24	Ergothioneine-induced neuronal differentiation is mediated through activation of S6K1 and neurotrophin 4/5-TrkB signaling in murine neural stem cells. <i>Cellular Signalling</i> , <b>2019</b> , 53, 269-280	4.9	8
23	Combination Metabolomics Approach for Identifying Endogenous Substrates of Carnitine/Organic Cation Transporter OCTN1. <i>Pharmaceutical Research</i> , <b>2018</b> , 35, 224	4.5	8

22	Usefulness of kidney slices for functional analysis of apical reabsorptive transporters. <i>Scientific Reports</i> , <b>2017</b> , 7, 12814	4.9	7
21	Gradual downregulation of protein expression of the partner GABA(B)R2 subunit during postnatal brain development in mice defective of GABA(B)R1 subunit. <i>Journal of Pharmacological Sciences</i> , <b>2011</b> , 115, 45-55	3.7	7
20	Cytoprotective properties of phenolic antidiarrheic ingredients in cultured astrocytes and neurons of rat brains. <i>European Journal of Pharmacology</i> , <b>2007</b> , 567, 59-66	5.3	7
19	The magnetism responsive gene Ntan1 in mouse brain. <i>Neurochemistry International</i> , <b>2006</b> , 49, 334-41	4.4	7
18	Utilization of Liver Microsomes to Estimate Hepatic Intrinsic Clearance of Monoamine Oxidase Substrate Drugs in Humans. <i>Pharmaceutical Research</i> , <b>2017</b> , 34, 1233-1243	4.5	6
17	Preferential inhibition by antidiarrheic 2-methoxy-4-methylphenol of Ca(2+) influx across acquired N-methyl-D-aspartate receptor channels composed of NR1/NR2B subunit assembly. <i>Journal of Neuroscience Research</i> , <b>2010</b> , 88, 2483-93	4.4	6
16	Maturation-dependent reduced responsiveness of intracellular free Ca <sup>2+</sup> ions to repeated stimulation by N-methyl-D-aspartate in cultured rat cortical neurons. <i>Neurochemistry International</i> , <b>2006</b> , 49, 230-7	4.4	6
15	Pharmacokinetic modeling of hepatocyte growth factor in experimental animals and humans. <i>Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 102, 237-49	3.9	5
14	Myosin VI reduces proliferation, but not differentiation, in pluripotent P19 cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e63947	3.7	5
13	Hydrolyzed Salmon Milt Extract Enhances Object Recognition and Location Memory Through an Increase in Hippocampal Cytidine Nucleoside Levels in Normal Mice. <i>Journal of Medicinal Food</i> , <b>2019</b> , 22, 408-415	2.8	4
12	Bile Duct Obstruction Leads to Increased Intestinal Expression of Breast Cancer Resistance Protein With Reduced Gastrointestinal Absorption of Imatinib. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 3130-3137	3.9	4
11	Gene ablation of carnitine/organic cation transporter 1 reduces gastrointestinal absorption of 5-aminosalicylate in mice. <i>Biological and Pharmaceutical Bulletin</i> , <b>2015</b> , 38, 774-80	2.3	4
10	Delayed mitochondrial membrane potential disruption by ATP in cultured rat hippocampal neurons exposed to N-methyl-D-aspartate. <i>Journal of Pharmacological Sciences</i> , <b>2012</b> , 119, 20-9	3.7	4
9	Homostachydrine is a Xenobiotic Substrate of OCTN1/SLC22A4 and Potentially Sensitizes Pentylentetrazole-Induced Seizures in Mice. <i>Neurochemical Research</i> , <b>2020</b> , 45, 2664-2678	4.6	4
8	Metabolome Analysis Reveals Dermal Histamine Accumulation in Murine Dermatitis Provoked by Genetic Deletion of P-Glycoprotein and Breast Cancer Resistance Protein. <i>Pharmaceutical Research</i> , <b>2019</b> , 36, 158	4.5	3
7	Influx and Efflux Transporters Contribute to the Increased Dermal Exposure to Active Metabolite of Regorafenib After Repeated Oral Administration in Mice. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 2173-2179	3.9	3
6	Nuclear degradation of particular Fos family members expressed following injections of NMDA and kainate in murine hippocampus. <i>Neurochemical Research</i> , <b>2002</b> , 27, 131-8	4.6	3
5	Transcription factors and drugs in the brain. <i>The Japanese Journal of Pharmacology</i> , <b>2002</b> , 89, 337-48		3

- 4 Maturational Characterization of Mouse Cortical Neurons Three-Dimensionally Cultured in Functional Polymer FP001-Containing Medium. *Biological and Pharmaceutical Bulletin*, **2019**, 42, 1545-1553<sup>2,3</sup> 2
- 3 Screening to Identify Multidrug Resistance-Associated Protein Inhibitors with Neuroblastoma-Selective Cytotoxicity. *Biological and Pharmaceutical Bulletin*, **2016**, 39, 1638-1645 2,3 2
- 2 Nuclear condensation of cyclic adenosine monophosphate responsive element-binding protein in discrete murine brain structures. *Journal of Neuroscience Research*, **2005**, 80, 667-76 4,4 2
- 1 Hydrophilic antioxidant ergothioneine promotes neuronal differentiation through activation of mTORC1 and NT5/TrkB signaling in neural stem cells. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO4-1-55 0