Noritaka Nakamichi

List of Publications by Year
in descending order

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Version: 2024-02-01

95	2,625	201385	233125
papers	citations	27 h-index	45 g-index

101	101	101	3399
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RAGE-mediated signaling contributes to intraneuronal transport of amyloid-Î² and neuronal dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20021-20026.	3.3	251
2	Dopamine D1 receptors regulate protein synthesis-dependent long-term recognition memory via extracellular signal-regulated kinase 1/2 in the prefrontal cortex. Learning and Memory, 2007, 14, 117-125.	0.5	166
3	Chronic vitamin D3 treatment protects against neurotoxicity by glutamate in association with upregulation of vitamin D receptor mRNA expression in cultured rat cortical neurons. Journal of Neuroscience Research, 2006, 83, 1179-1189.	1.3	126
4	Foodâ€derived hydrophilic antioxidant ergothioneine is distributed to the brain and exerts antidepressant effect in mice. Brain and Behavior, 2016, 6, e00477.	1.0	63
5	The Rewards of Nicotine: Regulation by Tissue Plasminogen Activator-Plasmin System through Protease Activated Receptor-1. Journal of Neuroscience, 2006, 26, 12374-12383.	1.7	60
6	Involvement of Carnitine/Organic Cation Transporter OCTN1/SLC22A4 in Gastrointestinal Absorption of Metformin. Journal of Pharmaceutical Sciences, 2013, 102, 3407-3417.	1.6	60
7	Neurogenesis Mediated by Î³-Aminobutyric Acid and Glutamate Signaling. Journal of Pharmacological Sciences, 2009, 110, 133-149.	1.1	59
8	Functional Expression of Carnitine/Organic Cation Transporter OCTN1/SLC22A4 in Mouse Small Intestine and Liver. Drug Metabolism and Disposition, 2010, 38, 1665-1672.	1.7	58
9	Functional expression of carnitine/organic cation transporter OCTN1 in mouse brain neurons: Possible involvement in neuronal differentiation. Neurochemistry International, 2012, 61, 1121-1132.	1.9	57
10	Possible protection by notoginsenoside R1 against glutamate neurotoxicity mediated by Nâ€methylâ€<scp>D</scp>â€aspartate receptors composed of an NR1/NR2B subunit assembly. Journal of Neuroscience Research, 2009, 87, 2145-2156.	1.3	55
11	Blockade by ferrous iron of Ca2+ influx through N-methyl-d-aspartate receptor channels in immature cultured rat cortical neurons. Journal of Neurochemistry, 2002, 83, 1-11.	2.1	53
12	An increase in intracellular free calcium ions by nicotinic acetylcholine receptors in a single cultured rat cortical astrocyte. Journal of Neuroscience Research, 2005, 79, 535-544.	1.3	53
13	Protection by exogenous pyruvate through a mechanism related to monocarboxylate transporters against cell death induced by hydrogen peroxide in cultured rat cortical neurons. Journal of Neurochemistry, 2005, 93, 84-93.	2.1	50
14	Modulation of cellular proliferation and differentiation through GABA_B receptors expressed by undifferentiated neural progenitor cells isolated from fetal mouse brain. Journal of Cellular Physiology, 2008, 216, 507-519.	2.0	49
15	Direct Inhibition and Down-regulation by Uremic Plasma Components of Hepatic Uptake Transporter for SN-38, an Active Metabolite of Irinotecan, in Humans. Pharmaceutical Research, 2014, 31, 204-215.	1.7	48
16	Glutamate Inhibits Chondral Mineralization through Apoptotic Cell Death Mediated by Retrograde Operation of the Cystine/Glutamate Antiporter. Journal of Biological Chemistry, 2006, 281, 24553-24565.	1.6	43
17	PDZK1 Regulates Breast Cancer Resistance Protein in Small Intestine. Drug Metabolism and Disposition, 2011, 39, 2148-2154.	1.7	42
18	Organic Cation Transporter-Mediated Ergothioneine Uptake in Mouse Neural Progenitor Cells Suppresses Proliferation and Promotes Differentiation into Neurons. PLoS ONE, 2014, 9, e89434.	1.1	42

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19	High-Speed SICM for the Visualization of Nanoscale Dynamic Structural Changes in Hippocampal Neurons. Analytical Chemistry, 2020, 92, 2159-2167.	3.2	42
20	Critical evaluation and methodological positioning of the transdermal microdialysis technique. A review. Journal of Controlled Release, 2016, 233, 147-161.	4.8	41
21	Role of Organic Cation/Carnitine Transporter 1 in Uptake of Phenformin and Inhibitory Effect on Complex I Respiration in Mitochondria. Toxicological Sciences, 2013, 132, 32-42.	1.4	37
22	Activator Protein-1 Complex Expressed by Magnetism in Cultured Rat Hippocampal Neurons. Biochemical and Biophysical Research Communications, 2002, 292, 200-207.	1.0	36
23	Activation of GABAAreceptors facilitates astroglial differentiation induced by ciliary neurotrophic factor in neural progenitors isolated from fetal rat brain. Journal of Neurochemistry, 2007, 100, 070209222715063-???.	2.1	30
24	Possible neuroprotective property of nicotinic acetylcholine receptors in association with predominant upregulation of glial cell lineâ€derived neurotrophic factor in astrocytes. Journal of Neuroscience Research, 2012, 90, 2074-2085.	1.3	30
25	Localization of Xenobiotic Transporter OCTN1/SLC22A4 in Hepatic Stellate Cells and Its Protective Role in Liver Fibrosis. Journal of Pharmaceutical Sciences, 2016, 105, 1779-1789.	1.6	30
26	Transient suppression of progenitor cell proliferation through NMDA receptors in hippocampal dentate gyrus of mice with traumatic stress experience. Journal of Neurochemistry, 2008, 105, 1642-1655.	2.1	29
27	Dual mechanisms of Ca2+ increases elicited byN-methyl-D-aspartate in immature and mature cultured cortical neurons. Journal of Neuroscience Research, 2002, 67, 275-283.	1.3	28
28	Group III metabotropic glutamate receptor activation suppresses selfâ€replication of undifferentiated neocortical progenitor cells. Journal of Neurochemistry, 2008, 105, 1996-2012.	2.1	28
29	Pharmacokinetics and Hepatic Uptake of Eltrombopag, a Novel Platelet-Increasing Agent. Drug Metabolism and Disposition, 2011, 39, 1088-1096.	1.7	28
30	Organic cation transporter Octn1-mediated uptake of food-derived antioxidant ergothioneine into infiltrating macrophages during intestinal inflammation in mice. Drug Metabolism and Pharmacokinetics, 2015, 30, 231-239.	1.1	28
31	Insensitivity to glutamate neurotoxicity mediated by NMDA receptors in association with delayed mitochondrial membrane potential disruption in cultured rat cortical neurons. Journal of Neurochemistry, 2008, 105, 1886-1900.	2.1	26
32	Inhibition by 2-Methoxy-4-ethylphenol of Ca2+ Influx Through Acquired and Native N-Methyl-D-aspartateâ€“Receptor Channels. Journal of Pharmacological Sciences, 2010, 112, 273-281.	1.1	26
33	ATP binding cassette transporters in two distinct compartments of the skin contribute to transdermal absorption of a typical substrate. Journal of Controlled Release, 2013, 165, 54-61.	4.8	26
34	A mutation in SLC22A4 encoding an organic cation transporter expressed in the cochlea strial endothelium causes human recessive non-syndromic hearing loss DFNB60. Human Genetics, 2016, 135, 513-524.	1.8	26
35	Promoted Neuronal Differentiation after Activation of Alpha4/Beta2 Nicotinic Acetylcholine Receptors in Undifferentiated Neural Progenitors. PLoS ONE, 2012, 7, e46177.	1.1	26
36	Possible promotion of neuronal differentiation in fetal rat brain neural progenitor cells after sustained exposure to static magnetism. Journal of Neuroscience Research, 2009, 87, 2406-2417.	1.3	24

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37	Promotion of Both Proliferation and Neuronal Differentiation in Pluripotent P19 Cells with Stable Overexpression of the Glutamine Transporter slc38a1. PLoS ONE, 2012, 7, e48270.	1.1	24
38	Promotion of neuronal differentiation through activation of Nâ€•methylâ€Dâ€aspartate receptors transiently expressed by undifferentiated neural progenitor cells in fetal rat neocortex. Journal of Neuroscience Research, 2008, 86, 2392-2402.	1.3	23
39	L503F variant of carnitine/organic cation transporter 1 efficiently transports metformin and other biguanides. Journal of Pharmacy and Pharmacology, 2016, 68, 1160-1169.	1.2	23
40	Oral Administration of the Food-Derived Hydrophilic Antioxidant Ergothioneine Enhances Object Recognition Memory in Mice. Current Molecular Pharmacology, 2020, 14, 220-233.	0.7	23
41	Involvement of Tissue Plasminogen Activator-Plasmin System in Depolarization-Evoked Dopamine Release in the Nucleus Accumbens of Mice. Molecular Pharmacology, 2006, 70, 1720-1725.	1.0	22
42	PDZK1 Regulates Organic Anion Transporting Polypeptide Oatpla in Mouse Small Intestine. Drug Metabolism and Pharmacokinetics, 2010, 25, 588-598.	1.1	22
43	Interaction of Novel Platelet-Increasing Agent Eltrombopag with Rosuvastatin via Breast Cancer Resistance Protein in Humans. Drug Metabolism and Disposition, 2014, 42, 726-734.	1.7	22
44	Organic Cation Transporter 1 Is Responsible for Hepatocellular Uptake of the Tyrosine Kinase Inhibitor Pazopanib. Drug Metabolism and Disposition, 2018, 46, 33-40.	1.7	22
45	A proteinâ€“protein interaction of stressâ€•responsive myosin VI endowed to inhibit neural progenitor selfâ€•replication with RNA binding protein, TLS, in murine hippocampus. Journal of Neurochemistry, 2009, 110, 1457-1468.	2.1	21
46	Exacerbated vulnerability to oxidative stress in astrocytic C6 glioma cells with stable overexpression of the glutamine transporter slc38a1. Neurochemistry International, 2011, 58, 504-511.	1.9	21
47	Carnitine/Organic Cation Transporter OCTN1 Negatively Regulates Activation in Murine Cultured Microglial Cells. Neurochemical Research, 2018, 43, 116-128.	1.6	21
48	Differential in vitro degradation of particular Fos family members expressed by kainic acid in nuclear and cytosolic fractions of murine hippocampus. Journal of Neuroscience Research, 2001, 64, 34-42.	1.3	20
49	Functional expression of A glutamine transporter responsive to down-regulation by lipopolysaccharide through reduced promoter activity in cultured rat neocortical astrocytes. Journal of Neuroscience Research, 2006, 83, 1447-1460.	1.3	20
50	Transferrin receptor-1 suppresses neurite outgrowth in neuroblastoma Neuro2A cells. Neurochemistry International, 2012, 60, 448-457.	1.9	20
51	Involvement of the Transporters P-Glycoprotein and Breast Cancer Resistance Protein in Dermal Distribution of the Multikinase Inhibitor Regorafenib and Its Active Metabolites. Journal of Pharmaceutical Sciences, 2017, 106, 2632-2641.	1.6	20
52	Nuclear transcription factors in the hippocampus. Progress in Neurobiology, 2002, 68, 145-165.	2.8	19
53	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. Journal of Cellular Physiology, 2007, 212, 375-385.	2.0	19
54	A possible pivotal role of mitochondrial free calcium in neurotoxicity mediated by N-methyl-d-aspartate receptors in cultured rat hippocampal neurons. Neurochemistry International, 2011, 59, 10-20.	1.9	18

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55	P-Glycoprotein in skin contributes to transdermal absorption of topical corticosteroids. International Journal of Pharmaceutics, 2017, 521, 365-373.	2.6	18
56	Relevant Modulation by Ferrous Ions of N-Methyl-D-Aspartate Receptors in Ischemic Brain Injuries. Current Neurovascular Research, 2004, 1, 429-440.	0.4	18
57	Ergothioneine-induced neuronal differentiation is mediated through activation of S6K1 and neurotrophin 4/5-TrkB signaling in murine neural stem cells. Cellular Signalling, 2019, 53, 269-280.	1.7	16
58	Upregulation of Myo6 expression after traumatic stress in mouse hippocampus. Neuroscience Letters, 2008, 433, 183-187.	1.0	15
59	Physiological Roles of Carnitine/Organic Cation Transporter OCTN1/SLC22A4 in Neural Cells. Biological and Pharmaceutical Bulletin, 2017, 40, 1146-1152.	0.6	15
60	Effects of intraocular injection of a low concentration of zinc on the rat retina. Neuropharmacology, 2003, 45, 637-648.	2.0	13
61	Induced tolerance to glutamate neurotoxicity through downâ€regulation of NR2 subunits of Nâ€methylâ€Dâ€aspartate receptors in cultured rat striatal neurons. Journal of Neuroscience Research, 2010, 88, 2177-2187.	1.3	13
62	Daily oral intake of theanine prevents the decline of 5-bromo-2â€²-deoxyuridine incorporation in hippocampal dentate gyrus with concomitant alleviation of behavioral abnormalities in adult mice with severe traumatic stress. Journal of Pharmacological Sciences, 2015, 127, 292-297.	1.1	13
63	Activator protein-1 responsive to the group II metabotropic glutamate receptor subtype in association with intracellular calcium in cultured rat cortical neurons. Neurochemistry International, 2007, 51, 467-475.	1.9	12
64	Upâ€regulation of ciliary neurotrophic factor receptor expression by GABA_A receptors in undifferentiated neural progenitors of fetal mouse brain. Journal of Neuroscience Research, 2008, 86, 2615-2623.	1.3	12
65	Requirement of both NR3A and NR3B subunits for dominant negative properties on Ca2+ mobilization mediated by acquired N-methyl-d-aspartate receptor channels into mitochondria. Neurochemistry International, 2010, 57, 730-737.	1.9	12
66	Metabolome Analysis Reveals Dermal Histamine Accumulation in Murine Dermatitis Provoked by Genetic Deletion of P-Glycoprotein and Breast Cancer Resistance Protein. Pharmaceutical Research, 2019, 36, 158.	1.7	12
67	Degradation of c-Fos protein expressed by N-methyl-d-aspartic acid in nuclear fractions of murine hippocampus. Brain Research, 2001, 905, 34-43.	1.1	11
68	Functional Proteins Involved in Regulation of Intracellular Ca2+ for Drug Development: Desensitization of N-Methyl-D-aspartate Receptor Channels. Journal of Pharmacological Sciences, 2005, 97, 348-350.	1.1	11
69	Characterization of Long-Lasting Oatp Inhibition by Typical Inhibitor Cyclosporine A and InÂVitroâ€“InÂVivo Discrepancy in Its Drug Interaction Potential in Rats. Journal of Pharmaceutical Sciences, 2016, 105, 2231-2239.	1.6	11
70	Upregulation of Slc38a1 Gene Along with Promotion of Neurosphere Growth and Subsequent Neuronal Specification in Undifferentiated Neural Progenitor Cells Exposed to Theanine. Neurochemical Research, 2016, 41, 5-15.	1.6	11
71	Usefulness of kidney slices for functional analysis of apical reabsorptive transporters. Scientific Reports, 2017, 7, 12814.	1.6	11
72	Combination Metabolomics Approach for Identifying Endogenous Substrates of Carnitine/Organic Cation Transporter OCTN1. Pharmaceutical Research, 2018, 35, 224.	1.7	11

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73	Possible activation by the green tea amino acid theanine of mammalian target of rapamycin signaling in undifferentiated neural progenitor cells in vitro. Biochemistry and Biophysics Reports, 2016, 5, 89-95.	0.7	10
74	Ergothioneine and central nervous system diseases. Neurochemical Research, 2022, 47, 2513-2521.	1.6	10
75	The magnetism responsive gene Ntan1 in mouse brain. Neurochemistry International, 2006, 49, 334-341.	1.9	8
76	Utilization of Liver Microsomes to Estimate Hepatic Intrinsic Clearance of Monoamine Oxidase Substrate Drugs in Humans. Pharmaceutical Research, 2017, 34, 1233-1243.	1.7	8
77	Hydrolyzed Salmon Milt Extract Enhances Object Recognition and Location Memory Through an Increase in Hippocampal Cytidine Nucleoside Levels in Normal Mice. Journal of Medicinal Food, 2019, 22, 408-415.	0.8	8
78	Homostachydrine is a Xenobiotic Substrate of OCTN1/SLC22A4 and Potentially Sensitizes Pentylenetetrazole-Induced Seizures in Mice. Neurochemical Research, 2020, 45, 2664-2678.	1.6	8
79	Cytoprotective properties of phenolic antidiarrheic ingredients in cultured astrocytes and neurons of rat brains. European Journal of Pharmacology, 2007, 567, 59-66.	1.7	7
80	Gradual Downregulation of Protein Expression of the Partner GABABR2 Subunit During Postnatal Brain Development in Mice Defective of GABABR1 Subunit. Journal of Pharmacological Sciences, 2011, 115, 45-55.	1.1	7
81	Influx and Efflux Transporters Contribute to the Increased Dermal Exposure to Active Metabolite of Regorafenib After Repeated Oral Administration in Mice. Journal of Pharmaceutical Sciences, 2019, 108, 2173-2179.	1.6	7
82	Maturation-dependent reduced responsiveness of intracellular free Ca2+ ions to repeated stimulation by N-methyl-d-aspartate in cultured rat cortical neurons. Neurochemistry International, 2006, 49, 230-237.	1.9	6
83	Preferential inhibition by antidiarrheic 2â€methoxyâ€4â€methylphenol of Ca²⁺ influx across acquired Nâ€methylâ€Dâ€aspartate receptor channels composed of NR1/NR2B subunit assembly. Journal of Neuroscience Research, 2010, 88, 2483-2493.	1.3	6
84	Pharmacokinetic Modeling of Hepatocyte Growth Factor in Experimental Animals and Humans. Journal of Pharmaceutical Sciences, 2013, 102, 237-249.	1.6	6
85	Myosin VI Reduces Proliferation, but Not Differentiation, in Pluripotent P19 Cells. PLoS ONE, 2013, 8, e63947.	1.1	6
86	Gene Ablation of Carnitine/Organic Cation Transporter 1 Reduces Gastrointestinal Absorption of 5-Aminosalicylate in Mice. Biological and Pharmaceutical Bulletin, 2015, 38, 774-780.	0.6	6
87	Bile Duct Obstruction Leads to Increased Intestinal Expression of Breast Cancer Resistance Protein With Reduced Gastrointestinal Absorption of Imatinib. Journal of Pharmaceutical Sciences, 2019, 108, 3130-3137.	1.6	6
88	Delayed Mitochondrial Membrane Potential Disruption by ATP in Cultured Rat Hippocampal Neurons Exposed to <I>N</I>-Methyl-D-Aspartate. Journal of Pharmacological Sciences, 2012, 119, 20-29.	1.1	5
89	Transcription Factors and Drugs in the Brain. The Japanese Journal of Pharmacology, 2002, 89, 337-348.	1.2	4
90	Maturational Characterization of Mouse Cortical Neurons Three-Dimensionally Cultured in Functional Polymer FP001-Containing Medium. Biological and Pharmaceutical Bulletin, 2019, 42, 1545-1553.	0.6	4

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91	Nuclear degradation of particular Fos family members expressed following injections of NMDA and kainate in murine hippocampus. Neurochemical Research, 2002, 27, 131-138.	1.6	3
92	Nuclear condensation of cyclic adenosine monophosphate responsive element-binding protein in discrete murine brain structures. Journal of Neuroscience Research, 2005, 80, 667-676.	1.3	3
93	Screening to Identify Multidrug Resistance-Associated Protein Inhibitors with Neuroblastoma-Selective Cytotoxicity. Biological and Pharmaceutical Bulletin, 2016, 39, 1638-1645.	0.6	3
94	Glutamatergic Signaling In Neurogenesis. , 2009, , 269-288.		0
95	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.	0.0	0