

Noritaka Nakamichi

List of Publications by Year in Descending Order

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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 | Oral Administration of the Food-Derived Hydrophilic Antioxidant Ergothioneine Enhances Object Recognition Memory in Mice. <i>Current Molecular Pharmacology</i> , 2021 , 14, 220-233 | 3.7 | 10 |
| 92 | High-Speed SICM for the Visualization of Nanoscale Dynamic Structural Changes in Hippocampal Neurons. <i>Analytical Chemistry</i> , 2020 , 92, 2159-2167 | 7.8 | 24 |
| 91 | Homostachydrine is a Xenobiotic Substrate of OCTN1/SLC22A4 and Potentially Sensitizes Pentylentetrazole-Induced Seizures in Mice. <i>Neurochemical Research</i> , 2020 , 45, 2664-2678 | 4.6 | 4 |
| 90 | Maturational Characterization of Mouse Cortical Neurons Three-Dimensionally Cultured in Functional Polymer FP001-Containing Medium. <i>Biological and Pharmaceutical Bulletin</i> , 2019 , 42, 1545-1553 | 2.3 | 2 |
| 89 | 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> , 2019 , 36, 158 | 4.5 | 3 |
| 88 | 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> , 2019 , 22, 408-415 | 2.8 | 4 |
| 87 | 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> , 2019 , 108, 2173-2179 | 3.9 | 3 |
| 86 | 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> , 2019 , 108, 3130-3137 | 3.9 | 4 |
| 85 | 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> , 2019 , 53, 269-280 | 4.9 | 8 |
| 84 | Carnitine/Organic Cation Transporter OCTN1 Negatively Regulates Activation in Murine Cultured Microglial Cells. <i>Neurochemical Research</i> , 2018 , 43, 116-128 | 4.6 | 10 |
| 83 | Hydrophilic antioxidant ergothioneine promotes neuronal differentiation through activation of mTORC1 and NT5/TrkB signaling in neural stem cells. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-1-55 | 0 | |
| 82 | Organic Cation Transporter 1 Is Responsible for Hepatocellular Uptake of the Tyrosine Kinase Inhibitor Pazopanib. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 33-40 | 4 | 16 |
| 81 | Combination Metabolomics Approach for Identifying Endogenous Substrates of Carnitine/Organic Cation Transporter OCTN1. <i>Pharmaceutical Research</i> , 2018 , 35, 224 | 4.5 | 8 |
| 80 | P-Glycoprotein in skin contributes to transdermal absorption of topical corticosteroids. <i>International Journal of Pharmaceutics</i> , 2017 , 521, 365-373 | 6.5 | 12 |
| 79 | 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> , 2017 , 106, 2632-2641 | 3.9 | 13 |
| 78 | Utilization of Liver Microsomes to Estimate Hepatic Intrinsic Clearance of Monoamine Oxidase Substrate Drugs in Humans. <i>Pharmaceutical Research</i> , 2017 , 34, 1233-1243 | 4.5 | 6 |
| 77 | Usefulness of kidney slices for functional analysis of apical reabsorptive transporters. <i>Scientific Reports</i> , 2017 , 7, 12814 | 4.9 | 7 |

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| 76 | Physiological Roles of Carnitine/Organic Cation Transporter OCTN1/SLC22A4 in Neural Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2017 , 40, 1146-1152 | 2.3 | 12 |
| 75 | 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> , 2016 , 41, 5-15 | 4.6 | 9 |
| 74 | Screening to Identify Multidrug Resistance-Associated Protein Inhibitors with Neuroblastoma-Selective Cytotoxicity. <i>Biological and Pharmaceutical Bulletin</i> , 2016 , 39, 1638-1645 | 2.3 | 2 |
| 73 | L503F variant of carnitine/organic cation transporter 1 efficiently transports metformin and other biguanides. <i>Journal of Pharmacy and Pharmacology</i> , 2016 , 68, 1160-9 | 4.8 | 19 |
| 72 | 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> , 2016 , 5, 89-95 | 2.2 | 9 |
| 71 | 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> , 2016 , 105, 2231-9 | 3.9 | 10 |
| 70 | 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> , 2016 , 135, 513-524 | 6.3 | 21 |
| 69 | Localization of Xenobiotic Transporter OCTN1/SLC22A4 in Hepatic Stellate Cells and Its Protective Role in Liver Fibrosis. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 1779-1789 | 3.9 | 17 |
| 68 | Critical evaluation and methodological positioning of the transdermal microdialysis technique. A review. <i>Journal of Controlled Release</i> , 2016 , 233, 147-61 | 11.7 | 33 |
| 67 | Food-derived hydrophilic antioxidant ergothioneine is distributed to the brain and exerts antidepressant effect in mice. <i>Brain and Behavior</i> , 2016 , 6, e00477 | 3.4 | 42 |
| 66 | Gene ablation of carnitine/organic cation transporter 1 reduces gastrointestinal absorption of 5-aminosalicylate in mice. <i>Biological and Pharmaceutical Bulletin</i> , 2015 , 38, 774-80 | 2.3 | 4 |
| 65 | 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> , 2015 , 30, 231-9 | 2.2 | 20 |
| 64 | 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> , 2015 , 127, 292-7 | 3.7 | 10 |
| 63 | Interaction of novel platelet-increasing agent eltrombopag with rosuvastatin via breast cancer resistance protein in humans. <i>Drug Metabolism and Disposition</i> , 2014 , 42, 726-34 | 4 | 21 |
| 62 | Organic cation transporter-mediated ergothioneine uptake in mouse neural progenitor cells suppresses proliferation and promotes differentiation into neurons. <i>PLoS ONE</i> , 2014 , 9, e89434 | 3.7 | 30 |
| 61 | 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> , 2014 , 31, 204-15 | 4.5 | 41 |
| 60 | Pharmacokinetic modeling of hepatocyte growth factor in experimental animals and humans. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 237-49 | 3.9 | 5 |
| 59 | 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> , 2013 , 165, 54-61 | 11.7 | 23 |

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| 58 | Role of organic cation/carnitine transporter 1 in uptake of phenformin and inhibitory effect on complex I respiration in mitochondria. <i>Toxicological Sciences</i> , 2013 , 132, 32-42 | 4.4 | 29 |
| 57 | Involvement of carnitine/organic cation transporter OCTN1/SLC22A4 in gastrointestinal absorption of metformin. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3407-17 | 3.9 | 49 |
| 56 | Myosin VI reduces proliferation, but not differentiation, in pluripotent P19 cells. <i>PLoS ONE</i> , 2013 , 8, e63947 | 3.7 | 5 |
| 55 | Functional expression of carnitine/organic cation transporter OCTN1 in mouse brain neurons: possible involvement in neuronal differentiation. <i>Neurochemistry International</i> , 2012 , 61, 1121-32 | 4.4 | 41 |
| 54 | Transferrin receptor-1 suppresses neurite outgrowth in neuroblastoma Neuro2A cells. <i>Neurochemistry International</i> , 2012 , 60, 448-57 | 4.4 | 13 |
| 53 | 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> , 2012 , 90, 2074-85 | 4.4 | 25 |
| 52 | Delayed mitochondrial membrane potential disruption by ATP in cultured rat hippocampal neurons exposed to N-methyl-D-aspartate. <i>Journal of Pharmacological Sciences</i> , 2012 , 119, 20-9 | 3.7 | 4 |
| 51 | Promoted neuronal differentiation after activation of alpha4/beta2 nicotinic acetylcholine receptors in undifferentiated neural progenitors. <i>PLoS ONE</i> , 2012 , 7, e46177 | 3.7 | 22 |
| 50 | Promotion of both proliferation and neuronal differentiation in pluripotent P19 cells with stable overexpression of the glutamine transporter slc38a1. <i>PLoS ONE</i> , 2012 , 7, e48270 | 3.7 | 22 |
| 49 | Exacerbated vulnerability to oxidative stress in astrocytic C6 glioma cells with stable overexpression of the glutamine transporter slc38a1. <i>Neurochemistry International</i> , 2011 , 58, 504-11 | 4.4 | 19 |
| 48 | 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> , 2011 , 59, 10-20 | 4.4 | 17 |
| 47 | 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> , 2011 , 115, 45-55 | 3.7 | 7 |
| 46 | PDZK1 regulates breast cancer resistance protein in small intestine. <i>Drug Metabolism and Disposition</i> , 2011 , 39, 2148-54 | 4 | 38 |
| 45 | Pharmacokinetics and hepatic uptake of eltrombopag, a novel platelet-increasing agent. <i>Drug Metabolism and Disposition</i> , 2011 , 39, 1088-96 | 4 | 27 |
| 44 | Functional expression of carnitine/organic cation transporter OCTN1/SLC22A4 in mouse small intestine and liver. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 1665-72 | 4 | 46 |
| 43 | Requirement of both NR3A and NR3B subunits for dominant negative properties on Ca ²⁺ mobilization mediated by acquired N-methyl-D-aspartate receptor channels into mitochondria. <i>Neurochemistry International</i> , 2010 , 57, 730-7 | 4.4 | 10 |
| 42 | Inhibition by 2-methoxy-4-ethylphenol of Ca ²⁺ influx through acquired and native N-methyl-D-aspartate-receptor channels. <i>Journal of Pharmacological Sciences</i> , 2010 , 112, 273-81 | 3.7 | 24 |
| 41 | PDZK1 regulates organic anion transporting polypeptide Oatp1a in mouse small intestine. <i>Drug Metabolism and Pharmacokinetics</i> , 2010 , 25, 588-98 | 2.2 | 21 |

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| 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> , 2010 , 88, 2177-87 | 4.4 | 13 |
| 39 | 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> , 2010 , 88, 2483-93 | 4.4 | 6 |
| 38 | 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> , 2009 , 106, 20021-6 | 11.5 | 218 |
| 37 | 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> , 2009 , 87, 2145-56 | 4.4 | 48 |
| 36 | Possible promotion of neuronal differentiation in fetal rat brain neural progenitor cells after sustained exposure to static magnetism. <i>Journal of Neuroscience Research</i> , 2009 , 87, 2406-17 | 4.4 | 17 |
| 35 | 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> , 2009 , 110, 1457-68 | 6 | 18 |
| 34 | Neurogenesis mediated by gamma-aminobutyric acid and glutamate signaling. <i>Journal of Pharmacological Sciences</i> , 2009 , 110, 133-49 | 3.7 | 45 |
| 33 | Transient suppression of progenitor cell proliferation through NMDA receptors in hippocampal dentate gyrus of mice with traumatic stress experience. <i>Journal of Neurochemistry</i> , 2008 , 105, 1642-55 | 6 | 22 |
| 32 | 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> , 2008 , 105, 1886-900 | 6 | 22 |
| 31 | Group III metabotropic glutamate receptor activation suppresses self-replication of undifferentiated neocortical progenitor cells. <i>Journal of Neurochemistry</i> , 2008 , 105, 1996-2012 | 6 | 23 |
| 30 | Upregulation of Myo6 expression after traumatic stress in mouse hippocampus. <i>Neuroscience Letters</i> , 2008 , 433, 183-7 | 3.3 | 10 |
| 29 | 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> , 2008 , 86, 2392-402 | 4.4 | 21 |
| 28 | Up-regulation of ciliary neurotrophic factor receptor expression by GABAA receptors in undifferentiated neural progenitors of fetal mouse brain. <i>Journal of Neuroscience Research</i> , 2008 , 86, 2615-23 | 4.4 | 9 |
| 27 | 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> , 2008 , 216, 507-19 | 7 | 39 |
| 26 | 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> , 2007 , 212, 375-85 | 7 | 15 |
| 25 | 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> , 2007 , 100, 1667-79 | 6 | 24 |
| 24 | Cytoprotective properties of phenolic antidiarrheic ingredients in cultured astrocytes and neurons of rat brains. <i>European Journal of Pharmacology</i> , 2007 , 567, 59-66 | 5.3 | 7 |
| 23 | 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> , 2007 , 14, 117-25 ^{2.8} | | 143 |

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| 22 | 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> , 2007 , 51, 467-75 | 4.4 | 11 |
| 21 | 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> , 2006 , 83, 1179-89 | 4.4 | 107 |
| 20 | 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> , 2006 , 83, 1447-60 | 4.4 | 18 |
| 19 | Involvement of tissue plasminogen activator-plasmin system in depolarization-evoked dopamine release in the nucleus accumbens of mice. <i>Molecular Pharmacology</i> , 2006 , 70, 1720-5 | 4.3 | 19 |
| 18 | The rewards of nicotine: regulation by tissue plasminogen activator-plasmin system through protease activated receptor-1. <i>Journal of Neuroscience</i> , 2006 , 26, 12374-83 | 6.6 | 57 |
| 17 | Glutamate inhibits chondral mineralization through apoptotic cell death mediated by retrograde operation of the cystine/glutamate antiporter. <i>Journal of Biological Chemistry</i> , 2006 , 281, 24553-65 | 5.4 | 37 |
| 16 | Maturation-dependent reduced responsiveness of intracellular free Ca ²⁺ ions to repeated stimulation by N-methyl-D-aspartate in cultured rat cortical neurons. <i>Neurochemistry International</i> , 2006 , 49, 230-7 | 4.4 | 6 |
| 15 | The magnetism responsive gene Ntan1 in mouse brain. <i>Neurochemistry International</i> , 2006 , 49, 334-41 | 4.4 | 7 |
| 14 | Functional proteins involved in regulation of intracellular Ca(2+) for drug development: desensitization of N-methyl-D-aspartate receptor channels. <i>Journal of Pharmacological Sciences</i> , 2005 , 97, 348-50 | 3.7 | 9 |
| 13 | 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> , 2005 , 93, 84-93 | 6 | 39 |
| 12 | An increase in intracellular free calcium ions by nicotinic acetylcholine receptors in a single cultured rat cortical astrocyte. <i>Journal of Neuroscience Research</i> , 2005 , 79, 535-44 | 4.4 | 48 |
| 11 | Nuclear condensation of cyclic adenosine monophosphate responsive element-binding protein in discrete murine brain structures. <i>Journal of Neuroscience Research</i> , 2005 , 80, 667-76 | 4.4 | 2 |
| 10 | Relevant modulation by ferrous ions of N-methyl-D-aspartate receptors in ischemic brain injuries. <i>Current Neurovascular Research</i> , 2004 , 1, 429-40 | 1.8 | 18 |
| 9 | Effects of intraocular injection of a low concentration of zinc on the rat retina. <i>Neuropharmacology</i> , 2003 , 45, 637-48 | 5.5 | 11 |
| 8 | 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> , 2002 , 67, 275-83 | 4.4 | 26 |
| 7 | Blockade by ferrous iron of Ca ²⁺ influx through N-methyl-D-aspartate receptor channels in immature cultured rat cortical neurons. <i>Journal of Neurochemistry</i> , 2002 , 83, 1-11 | 6 | 51 |
| 6 | Nuclear degradation of particular Fos family members expressed following injections of NMDA and kainate in murine hippocampus. <i>Neurochemical Research</i> , 2002 , 27, 131-8 | 4.6 | 3 |
| 5 | Transcription factors and drugs in the brain. <i>The Japanese Journal of Pharmacology</i> , 2002 , 89, 337-48 | | 3 |

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| 4 | Activator protein-1 complex expressed by magnetism in cultured rat hippocampal neurons. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 292, 200-7 | 3.4 | 29 |
| 3 | Nuclear transcription factors in the hippocampus. <i>Progress in Neurobiology</i> , 2002 , 68, 145-65 | 10.9 | 18 |
| 2 | 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> , 2001 , 64, 34-42 | 4.4 | 20 |
| 1 | Degradation of c-Fos protein expressed by N-methyl-D-aspartic acid in nuclear fractions of murine hippocampus. <i>Brain Research</i> , 2001 , 905, 34-43 | 3.7 | 11 |