Norimitsu Morioka

List of Publications by Year
in descending order

78	2,028	186265 28	289244 40
papers	citations	h-index	g-index

84	84	84	2418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spinal Antiallodynia Action of Glycine Transporter Inhibitors in Neuropathic Pain Models in Mice. Journal of Pharmacology and Experimental Therapeutics, 2008, 326, 633-645.	2.5	114
2	Glycine transporter inhibitors as a novel drug discovery strategy for neuropathic pain. , 2009, 123, 54-79.		98
3	Neuropathic Pain in Rats with a Partial Sciatic Nerve Ligation Is Alleviated by Intravenous Injection of Monoclonal Antibody to High Mobility Group Box-1. PLoS ONE, 2013, 8, e73640.	2.5	76
4	Antidepressant Acts on Astrocytes Leading to an Increase in the Expression of Neurotrophic/Growth Factors: Differential Regulation of FGF-2 by Noradrenaline. PLoS ONE, 2012, 7, e51197.	2.5	69
5	Amitriptyline upâ€regulates connexin43â€gap junction in rat cultured cortical astrocytes via activation of the <scp>p</scp>38 and <scp>c</scp>â€<scp>Fos</scp>/<scp>AP</scp>â€1 signalling pathway. British Journal of Pharmacology, 2014, 171, 2854-2867.	5.4	60
6	Tumor necrosis factor-mediated downregulation of spinal astrocytic connexin43 leads to increased glutamatergic neurotransmission and neuropathic pain in mice. Brain, Behavior, and Immunity, 2015, 49, 293-310.	4.1	59
7	Development of tactile allodynia and thermal hyperalgesia by intrathecally administered platelet-activating factor in mice. Pain, 2004, 111, 351-359.	4.2	56
8	Tricyclic Antidepressant Amitriptyline Activates Fibroblast Growth Factor Receptor Signaling in Glial Cells. Journal of Biological Chemistry, 2011, 286, 21118-21128.	3.4	55
9	Interleukin-1beta-induced substance P release from rat cultured primary afferent neurons driven by two phospholipase A2 enzymes: secretory type IIA and cytosolic type IV. Journal of Neurochemistry, 2002, 80, 989-997.	3.9	54
10	Proinflammatory cytokines downregulate connexin 43-gap junctions via the ubiquitin-proteasome system in rat spinal astrocytes. Biochemical and Biophysical Research Communications, 2015, 464, 1202-1208.	2.1	53
11	Amitriptyline induces brain-derived neurotrophic factor (BDNF) mRNA expression through ERK-dependent modulation of multiple BDNF mRNA variants in primary cultured rat cortical astrocytes and microglia. Brain Research, 2016, 1634, 57-67.	2.2	53
12	History of the G Proteinâ€“Coupled Receptor (GPCR) Assays From Traditional to a State-of-the-Art Biosensor Assay. Journal of Pharmacological Sciences, 2014, 126, 302-309.	2.5	48
13	Noradrenaline reduces the ATP-stimulated phosphorylation of p38 MAP kinase via Î²-adrenergic receptorsâ€“cAMPâ€“protein kinase A-dependent mechanism in cultured rat spinal microglia. Neurochemistry International, 2009, 55, 226-234.	3.8	45
14	Activation of the neurokinin-1 receptor in rat spinal astrocytes induces Ca2+ release from IP3-sensitive Ca2+ stores and extracellular Ca2+ influx through TRPC3. Neurochemistry International, 2010, 57, 923-934.	3.8	45
15	Spinal astrocytes stimulated by tumor necrosis factorâ€Î± and/or interferonâ€Î³ attenuate connexin 43â€gap junction via câ€jun terminal kinase activity. Journal of Neuroscience Research, 2013, 91, 745-756.	2.9	45
16	Perineural expression of highâ€mobility group boxâ€1 contributes to longâ€lasting mechanical hypersensitivity via matrix metalloproteaseâ€9 upâ€regulation in mice with painful peripheral neuropathy. Journal of Neurochemistry, 2016, 136, 837-850.	3.9	43
17	The activation of P2Y6 receptor in cultured spinal microglia induces the production of CCL2 through the MAP kinases-NF-ÎºB pathway. Neuropharmacology, 2013, 75, 116-125.	4.1	41
18	High-mobility group box 1-mediated microglial activation induces anxiodepressive-like behaviors in mice with neuropathic pain. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 92, 347-362.	4.8	41

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19	Clock gene Per1 regulates the production of CCL2 and interleukin-6 through p38, JNK1 and NF-ÎºB activation in spinal astrocytes. Molecular and Cellular Neurosciences, 2014, 59, 37-46.	2.2	40
20	Tricyclic Antidepressant Amitriptyline-induced Glial Cell Line-derived Neurotrophic Factor Production Involves Pertussis Toxin-sensitive GÎ±i/o Activation in Astroglial Cells. Journal of Biological Chemistry, 2015, 290, 13678-13691.	3.4	38
21	Analgesic action of nicotine on tibial nerve transection (TNT)-induced mechanical allodynia through enhancement of the glycinergic inhibitory system in spinal cord. Life Sciences, 2006, 80, 9-16.	4.3	35
22	Paclitaxel and vinorelbine, evoked the release of substance P from cultured rat dorsal root ganglion cells through different PKC isoform-sensitive ion channels. Neuropharmacology, 2009, 57, 25-32.	4.1	34
23	Activation of transient receptor potential ankyrin 1 evokes nociception through substance P release from primary sensory neurons. Journal of Neurochemistry, 2012, 120, 1036-1047.	3.9	34
24	Primary cultures of rat cortical microglia treated with nicotine increases in the expression of excitatory amino acid transporter 1 (GLAST) via the activation of the Î±7 nicotinic acetylcholine receptor. Neuroscience, 2014, 258, 374-384.	2.3	34
25	P2X₇ receptor stimulation in primary cultures of rat spinal microglia induces downregulation of the activity for glutamate transport. Glia, 2008, 56, 528-538.	4.9	32
26	Noradrenaline Induces Clock Gene Per1 mRNA Expression in C6 Glioma Cells Through Î²2-Adrenergic Receptor Coupled With Protein Kinase A â€“ cAMP Response Element Binding Protein (PKAâ€“CREB) and Src-Tyrosine Kinase â€“ Glycogen Synthase Kinase-3Î² (Srcâ€“GSK-3Î²). Journal of Pharmacological Sciences, 2010, 113, 234-245.	2.5	32
27	Glycinergic mediation of tactile allodynia induced by platelet-activating factor (PAF) through glutamateâ€“NOâ€“cyclic GMP signalling in spinal cord in mice. Pain, 2008, 138, 525-536.	4.2	29
28	A Î²1/2 Adrenergic Receptorâ€Sensitive Intracellular Signaling Pathway Modulates CCL2 Production in Cultured Spinal Astrocytes. Journal of Cellular Physiology, 2014, 229, 323-332.	4.1	29
29	Lycopene ameliorates neuropathic pain by upregulating spinal astrocytic connexin 43 expression. Life Sciences, 2016, 155, 116-122.	4.3	28
30	Downregulation of spinal astrocytic connexin43 leads to upregulation of interleukinâ€6 and cyclooxygenaseâ€2 and mechanical hypersensitivity in mice. Glia, 2018, 66, 428-444.	4.9	27
31	Spinal highâ€mobility group boxâ€1 induces longâ€lasting mechanical hypersensitivity through the tollâ€like receptor 4 and upregulation of interleukinâ€1Î² in activated astrocytes. Journal of Neurochemistry, 2019, 150, 738-758.	3.9	27
32	Noradrenergic regulation of period1 expression in spinal astrocytes is involved in protein kinase A, c-Jun N-terminal kinase and extracellular signal-regulated kinase activation mediated by Î±1- and Î²2-adrenoceptors. Neuroscience, 2011, 185, 1-13.	2.3	26
33	Downregulation of the spinal dorsal horn clock gene Per1 expression leads to mechanical hypersensitivity via c-jun N-terminal kinase and CCL2 production in mice. Molecular and Cellular Neurosciences, 2016, 72, 72-83.	2.2	26
34	Stimulation of nuclear receptor REV-ERBs regulates tumor necrosis factor-induced expression of proinflammatory molecules in C6 astroglial cells. Biochemical and Biophysical Research Communications, 2016, 469, 151-157.	2.1	25
35	Stimulation of nuclear receptor REV-ERBs suppresses production of pronociceptive molecules in cultured spinal astrocytes and ameliorates mechanical hypersensitivity of inflammatory and neuropathic pain of mice. Brain, Behavior, and Immunity, 2019, 78, 116-130.	4.1	25
36	Spinal astrocytes contribute to the circadian oscillation of glutamine synthase, cyclooxygenase-1 and clock genes in the lumbar spinal cord of mice. Neurochemistry International, 2012, 60, 817-826.	3.8	24

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37	The regulation of exon-specific brain-derived neurotrophic factor mRNA expression by protein kinase C in rat cultured dorsal root ganglion neurons. Brain Research, 2013, 1509, 20-31.	2.2	24
38	Stimulation of spinal dorsal horn Î²2-adrenergic receptor ameliorates neuropathic mechanical hypersensitivity through a reduction of phosphorylation of microglial p38 MAP kinase and astrocytic c-jun N-terminal kinase. Neurochemistry International, 2016, 101, 144-155.	3.8	23
39	Identification of Lysophosphatidic Acid Receptor 1 in Astroglial Cells as a Target for Glial Cell Line-derived Neurotrophic Factor Expression Induced by Antidepressants. Journal of Biological Chemistry, 2016, 291, 27364-27370.	3.4	23
40	Fibroblast growth factor 2 mRNA expression evoked by amitriptyline involves extracellular signalâ€regulated kinaseâ€dependent early growth response 1 production in rat primary cultured astrocytes. Journal of Neurochemistry, 2015, 135, 27-37.	3.9	22
41	Nonsteroidal Anti-Inflammatory Drugs Potentiate 1-Methyl-4-phenylpyridinium (MPP+)-Induced Cell Death by Promoting the Intracellular Accumulation of MPP+in PC12 Cells. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 800-807.	2.5	21
42	TLR4-TAK1-p38 MAPK pathway and HDAC6 regulate the expression of sigma-1 receptors in rat primary cultured microglia. Journal of Pharmacological Sciences, 2020, 144, 23-29.	2.5	20
43	Stimulation of Î±7 nicotinic acetylcholine receptor regulates glutamate transporter GLAST via basic fibroblast growth factor production in cultured cortical microglia. Brain Research, 2015, 1625, 111-120.	2.2	19
44	Downregulation of connexin36 in mouse spinal dorsal horn neurons leads to mechanical allodynia. Journal of Neuroscience Research, 2015, 93, 584-591.	2.9	18
45	Role of Connexins in Chronic Pain and Their Potential as Therapeutic Targets for Next-Generation Analgesics. Biological and Pharmaceutical Bulletin, 2019, 42, 857-866.	1.4	17
46	Volume Transmission of Substance P in Striatum Induced by Intraplantar Formalin Injection Attenuates Nociceptive Responses via Activation of the Neurokinin 1 Receptor. Journal of Pharmacological Sciences, 2013, 121, 257-271.	2.5	16
47	Mirtazapine increases glial cell line-derived neurotrophic factor production through lysophosphatidic acid 1 receptor-mediated extracellular signal-regulated kinase signaling in astrocytes. European Journal of Pharmacology, 2019, 860, 172539.	3.5	16
48	Corticosterone Induces HMGB1 Release in Primary Cultured Rat Cortical Astrocytes: Involvement of Pannexin-1 and P2X7 Receptor-Dependent Mechanisms. Cells, 2020, 9, 1068.	4.1	16
49	The regulation of glycine transporter GLYT1 is mainly mediated by protein kinase CÎ± in C6 glioma cells. Neurochemistry International, 2008, 53, 248-254.	3.8	15
50	The induction of Per1 expression by the combined treatment with glutamate, 5-hydroxytriptamine and dopamine initiates a ripple effect on Bmal1 and Cry1 mRNA expression via the ERK signaling pathway in cultured rat spinal astrocytes. Neurochemistry International, 2015, 90, 9-19.	3.8	15
51	Pretreatment with High Mobility Group Box-1 Monoclonal Antibody Prevents the Onset of Trigeminal Neuropathy in Mice with a Distal Infraorbital Nerve Chronic Constriction Injury. Molecules, 2021, 26, 2035.	3.8	14
52	High-mobility group box 1-mediated hippocampal microglial activation induces cognitive impairment in mice with neuropathic pain. Experimental Neurology, 2022, 355, 114146.	4.1	14
53	Stimulation of toll-like receptor 4 downregulates the expression of Î±7 nicotinic acetylcholine receptors via histone deacetylase in rodent microglia. Neurochemistry International, 2020, 138, 104751.	3.8	13
54	Perineural high-mobility group box 1 induces mechanical hypersensitivity through activation of spinal microglia: Involvement of glutamate-NMDA receptor dependent mechanism in spinal dorsal horn. Biochemical Pharmacology, 2021, 186, 114496.	4.4	13

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55	Continuous infusion of substance P into rat striatum alleviates nociceptive behavior via phosphorylation of extracellular signalâ€regulated kinase 1/2. Journal of Neurochemistry, 2014, 131, 755-766.	3.9	10
56	Down-regulation of norepinephrine transporter function induced by chronic administration of desipramine linking to the alteration of sensitivity of local-anesthetics-induced convulsions and the counteraction by co-administration with local anesthetics. Brain Research, 2006, 1096, 97-103.	2.2	8
57	Involvement of Voltage-Gated Sodium Channel NaV1.8 in the Regulation of the Release and Synthesis of Substance P in Adult Mouse Dorsal Root Ganglion Neurons. Journal of Pharmacological Sciences, 2008, 108, 190-197.	2.5	8
58	Regulation by Nicotinic Acetylcholine Receptors of Microglial Glutamate Transporters: Role of Microglia in Neuroprotection. , 2018, , 73-88.		8
59	Cyclic ADP-Ribose Mediates Formyl Methionyl Leucyl Phenylalanine (fMLP)-Induced Intracellular Ca2+ Rise and Migration of Human Neutrophils. Journal of Pharmacological Sciences, 2008, 106, 492-504.	2.5	7
60	Treatment with Histone Deacetylase Inhibitor Attenuates Peripheral Inflammation-Induced Cognitive Dysfunction and Microglial Activation: The Effect of SAHA as a Peripheral HDAC Inhibitor. Neurochemical Research, 2021, 46, 2285-2296.	3.3	7
61	Central high mobility group box-1 induces mechanical hypersensitivity with spinal microglial activation in a mouse model of hemi-Parkinsonâ€™s disease. Biomedicine and Pharmacotherapy, 2022, 145, 112479.	5.6	7
62	Downregulation of connexin 43 potentiates amitriptyline-induced brain-derived neurotrophic factor expression in primary astrocytes through lysophosphatidic acid receptor1/3, Src, and extracellular signal-regulated kinase. European Journal of Pharmacology, 2022, 925, 174986.	3.5	7
63	The expression of glial cell line-derived neurotrophic factor mRNA by antidepressants involves matrix metalloproteinase-9 activation in rat astroglial cells. Biochemical and Biophysical Research Communications, 2016, 479, 907-912.	2.1	6
64	Downregulation of connexin43 potentiates noradrenalineâ€induced expression of brainâ€derived neurotrophic factor in primary cultured cortical astrocytes. Journal of Cellular Physiology, 2021, 236, 6777-6792.	4.1	6
65	p-Nitroterphenyl units for near-infrared two-photon uncaging of calcium ions. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 409, 113154.	3.9	5
66	Pharmacological Activation Gi/o Protein Increases Glial Cell Line-Derived Neurotrophic Factor Production through Fibroblast Growth Factor Receptor and Extracellular Signal-Regulated Kinase Pathway in Primary Cultured Rat Cortical Astrocytes. Biological and Pharmaceutical Bulletin, 2017, 40, 1759-1766.	1.4	4
67	Stimulation of nuclear receptor REV-ERBs suppresses inflammatory responses in spinal microglia. Neurochemistry International, 2021, 151, 105216.	3.8	4
68	Selective blockade of N-methyl-d-aspartate channels in combination with dopamine receptor antagonism induces loss of the righting reflex in mice, but not immobility. Psychopharmacology, 2015, 232, 39-46.	3.1	3
69	The indirect Î³-aminobutyric acid (GABA) receptor agonist gabaculine-induced loss of the righting reflex may inhibit the descending analgesic pathway. Pharmacology Biochemistry and Behavior, 2020, 198, 173034.	2.9	3
70	Lysophosphatidic acid induces thrombospondinâ€1 production in primary cultured rat cortical astrocytes. Journal of Neurochemistry, 2021, 158, 849-864.	3.9	3
71	Continuous infusion of substance P inhibits acute, but not subacute, inflammatory pain induced by complete Freundâ€™s adjuvant. Biochemical and Biophysical Research Communications, 2020, 533, 971-975.	2.1	2
72	Continuous infusion of substance P into rat striatum relieves mechanical hypersensitivity caused by a partial sciatic nerve ligation via activation of striatal muscarinic receptors. Behavioural Brain Research, 2020, 391, 112714.	2.2	2

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73	Decreased connexin43 expression in the hippocampus is related to the antidepressant effect of amitriptyline in neuropathic pain mice. Biochemical and Biophysical Research Communications, 2021, 566, 141-147.	2.1	2
74	Pentobarbital may protect against neurogenic inflammation after surgery via inhibition of substance P release from peripheral nerves of rats. Neuroscience Letters, 2022, 771, 136467.	2.1	2
75	Mirogabalin alleviates nociceptive hypersensitivity without causing sedation in a mouse model of post-traumatic trigeminal neuropathy. Behavioural Brain Research, 2022, 425, 113829.	2.2	2
76	The analysis of anxiety- and depression-related behaviors in neuropathic pain of mice - possible involvement of brain inflammation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-2-15.	0.0	0
77	Effects of histone deacetylase inhibitor on lipopolysaccharide-induced cognitive impairment.. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 3-P-014.	0.0	0
78	The nuclear receptor REV-ERBs suppress the pro-inflammatory responses in cultured microglia. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 3-P-015.	0.0	0