# Masamichi Shinoda

List of Publications by Year
in descending order

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| 110 | 2,776 | 147801 | 233421 |
|---|---|---|---|
| papers | citations | 31 h-index | 45 g-index |

| 115 | 115 | 115 | 2318 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pannexin 1 role in the trigeminal ganglion in infraorbital nerve injuryâ€induced mechanical allodynia. Oral Diseases, 2023, 29, 1770-1781. | 3.0 | 9 |
| 2 | IL-33 induces orofacial neuropathic pain through Fyn-dependent phosphorylation of GluN2B in the trigeminal spinal subnucleus caudalis. Brain, Behavior, and Immunity, 2022, 99, 266-280. | 4.1 | 10 |
| 3 | Periodontal acidification contributes to tooth pain hypersensitivity during orthodontic tooth movement. Neuroscience Research, 2022, 177, 103-110. | 1.9 | 6 |
| 4 | Plastic changes in nociceptive pathways contributing to persistent orofacial pain. Journal of Oral Biosciences, 2022, 64, 263-270. | 2.2 | 6 |
| 5 | P2X3 receptor upregulation in trigeminal ganglion neurons through TNFÎ± production in macrophages contributes to trigeminal neuropathic pain in rats. Journal of Headache and Pain, 2021, 22, 31. | 6.0 | 12 |
| 6 | Effect of lowâ€intensity pulsed ultrasound on orofacial sensory disturbance following inferior alveolar nerve injury: Role of neurotrophinâ€3 signaling. European Journal of Oral Sciences, 2021, 129, e12810. | 1.5 | 3 |
| 7 | Orofacial Neuropathic Pain-Basic Research and Their Clinical Relevancies. Frontiers in Molecular Neuroscience, 2021, 14, 691396. | 2.9 | 13 |
| 8 | Rapamycin Accelerates Axon Regeneration Through Schwann Cell-mediated Autophagy Following Inferior Alveolar Nerve Transection in Rats. Neuroscience, 2021, 468, 43-52. | 2.3 | 5 |
| 9 | Pannexin 1-Mediated ATP Signaling in the Trigeminal Spinal Subnucleus Caudalis Is Involved in Tongue Cancer Pain. International Journal of Molecular Sciences, 2021, 22, 11404. | 4.1 | 5 |
| 10 | Involvement of TNFÎ± in the enhancement of hypersensitivity in the adulthood-injured face associated with facial injury in infancy. Neuroscience Research, 2020, 161, 18-23. | 1.9 | 4 |
| 11 | Microgliaâ€“Astrocyte Communication via C1q Contributes to Orofacial Neuropathic Pain Associated with Infraorbital Nerve Injury. International Journal of Molecular Sciences, 2020, 21, 6834. | 4.1 | 25 |
| 12 | Role of macrophage-mediated Toll-like receptor 4â€“interleukin-1R signaling in ectopic tongue pain associated with tooth pulp inflammation. Journal of Neuroinflammation, 2020, 17, 312. | 7.2 | 11 |
| 13 | Oxytocin-Dependent Regulation of TRPs Expression in Trigeminal Ganglion Neurons Attenuates Orofacial Neuropathic Pain following Infraorbital Nerve Injury in Rats. International Journal of Molecular Sciences, 2020, 21, 9173. | 4.1 | 13 |
| 14 | Aging-Related Phenotypic Conversion of Medullary Microglia Enhances Intraoral Incisional Pain Sensitivity. International Journal of Molecular Sciences, 2020, 21, 7871. | 4.1 | 6 |
| 15 | A perspective from experimental studies of burning mouth syndrome. Journal of Oral Science, 2020, 62, 165-169. | 1.7 | 7 |
| 16 | Pathophysiological mechanisms of persistent orofacial pain. Journal of Oral Science, 2020, 62, 131-135. | 1.7 | 17 |
| 17 | Involvement of Satellite Cell Activation via Nitric Oxide Signaling in Ectopic Orofacial Hypersensitivity. International Journal of Molecular Sciences, 2020, 21, 1252. | 4.1 | 4 |
| 18 | Suppression of Superficial Microglial Activation by Spinal Cord Stimulation Attenuates Neuropathic Pain Following Sciatic Nerve Injury in Rats. International Journal of Molecular Sciences, 2020, 21, 2390. | 4.1 | 10 |

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|---|---|---|---|
| 19 | Involvement of TRPV4 ionotropic channel in tongue mechanical hypersensitivity in dry-tongue rats. Journal of Oral Science, 2020, 62, 13-17. | 1.7 | 7 |
| 20 | Topically injected adrenocorticotropic hormone induces mechanical hypersensitivity on a fullâ€thickness cutaneous wound model in rats. Experimental Dermatology, 2019, 28, 1010-1016. | 2.9 | 2 |
| 21 | Neurophysiology of Orofacial Pain. , 2019, , 1749-1771. | | 0 |
| 22 | Involvement of inflammasome activation via elevation of uric acid level in nociception in a mouse model of muscle pain. Molecular Pain, 2019, 15, 174480691985879. | 2.1 | 6 |
| 23 | Role of neuron and non-neuronal cell communication in persistent orofacial pain. Journal of Dental Anesthesia and Pain Medicine, 2019, 19, 77. | 1.0 | 9 |
| 24 | Peripheral and Central Mechanisms of Persistent Orofacial Pain. Frontiers in Neuroscience, 2019, 13, 1227. | 2.8 | 58 |
| 25 | Increase in IGF-1 Expression in the Injured Infraorbital Nerve and Possible Implications for Orofacial Neuropathic Pain. International Journal of Molecular Sciences, 2019, 20, 6360. | 4.1 | 20 |
| 26 | Endothelin Signaling Contributes to Modulation of Nociception in Early-stage Tongue Cancer in Rats. Anesthesiology, 2018, 128, 1207-1219. | 2.5 | 9 |
| 27 | Involvement of neutrophils and interleukin-18 in nociception in a mouse model of muscle pain. Molecular Pain, 2018, 14, 174480691875728. | 2.1 | 21 |
| 28 | Involvement of transient receptor potential vanilloid 2 in intraâ€oral incisional pain. Oral Diseases, 2018, 24, 1093-1100. | 3.0 | 7 |
| 29 | Role of medullary astroglial glutamine synthesis in tooth pulp hypersensitivity associated with frequent masseter muscle contraction. Molecular Pain, 2018, 14, 174480691876327. | 2.1 | 2 |
| 30 | Role of Neuron-Glial Interaction Mediated by IL-1Î² in Ectopic Tooth Pain. Journal of Dental Research, 2018, 97, 467-475. | 5.2 | 22 |
| 31 | Connexin 43 expression in satellite glial cells contributes to ectopic tooth-pulp pain. Journal of Oral Science, 2018, 60, 493-499. | 1.7 | 30 |
| 32 | Tumor Necrosis Factor Alpha Signaling in Trigeminal Ganglion Contributes to Mechanical Hypersensitivity in Masseter Muscle During Temporomandibular Joint Inflammation. Journal of Oral and Facial Pain and Headache, 2018, 32, 75-83. | 1.4 | 11 |
| 33 | Peripheral Glial Cell Lineâ€"Derived Neurotrophic Factor Facilitates the Functional Recovery of Mechanical Nociception Following Inferior Alveolar Nerve Transection in Rats. Journal of Oral and Facial Pain and Headache, 2018, 32, 229-237. | 1.4 | 3 |
| 34 | A Report on the Positive Response to an Outdoor Nature Challenge of a Snow Camp for Young Liver Transplant Patients. Transplantation Proceedings, 2017, 49, 115-120. | 0.6 | 1 |
| 35 | Involvement of microglia and astroglia in modulation of the orofacial motor functions in rats with neuropathic pain. Journal of Oral Biosciences, 2017, 59, 17-22. | 2.2 | 7 |
| 36 | Sensitization of TRPV1 and TRPA1 via peripheral mGluR5 signaling contributes to thermal and mechanical hypersensitivity. Pain, 2017, 158, 1754-1764. | 4.2 | 28 |

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| 37 | CXCR4 signaling in macrophages contributes to periodontal mechanical hypersensitivity inPorphyromonas gingivalis-induced periodontitis in mice. Molecular Pain, 2017, 13, 174480691668926. | 2.1 | 18 |
| 38 | Enhancement of ERK phosphorylation and photic responses in Vc/C1 neurons of a migraine model. Neuroscience Letters, 2017, 647, 14-19. | 2.1 | 2 |
| 39 | Oxytocin alleviates orofacial mechanical hypersensitivity associated with infraorbital nerve injury through vasopressin-1A receptors of the rat trigeminal ganglia. Pain, 2017, 158, 649-659. | 4.2 | 65 |
| 40 | Feeding catheter gastrostomy with the round ligament of the liver prevents mechanical bowel obstruction after esophagectomy. Ecological Management and Restoration, 2017, 30, 1-8. | 0.4 | 16 |
| 41 | Phosphorylation of p38 in Trigeminal Ganglion Neurons Contributes to Tongue Heat Hypersensitivity in Mice. Journal of Oral and Facial Pain and Headache, 2017, 31, 372-380. | 1.4 | 6 |
| 42 | Neuron-glia interaction is a key mechanism underlying persistent orofacial pain. Journal of Oral Science, 2017, 59, 173-175. | 1.7 | 31 |
| 43 | CXCR4 signaling contributes to alveolar bone resorption in <i>Porphyromonas</i> <i>gingivalis</i>-induced periodontitis in mice. Journal of Oral Science, 2017, 59, 571-577. | 1.7 | 13 |
| 44 | Macrophages in trigeminal ganglion contribute to ectopic mechanical hypersensitivity following inferior alveolar nerve injury in rats. Journal of Neuroinflammation, 2017, 14, 249. | 7.2 | 49 |
| 45 | Neurophysiology of Orofacial Pain. , 2017, , 1-23. | | 7 |
| 46 | Neurophysiology of Orofacial Pain. , 2017, , 1-23. | | 5 |
| 47 | Neurophysiology of Orofacial Pain. , 2017, , 1-23. | | 0 |
| 48 | Connexin 43 contributes to ectopic orofacial pain following inferior alveolar nerve injury. Molecular Pain, 2016, 12, 174480691663370. | 2.1 | 58 |
| 49 | Lowâ€intensity pulsed ultrasound accelerates nerve regeneration following inferior alveolar nerve transection in rats. European Journal of Oral Sciences, 2016, 124, 246-250. | 1.5 | 20 |
| 50 | ERK-GluR1 phosphorylation in trigeminal spinal subnucleus caudalis neurons is involved in pain associated with dry tongue. Molecular Pain, 2016, 12, 174480691664168. | 2.1 | 13 |
| 51 | Recent advances in basic research on the trigeminal ganglion. Journal of Physiological Sciences, 2016, 66, 381-386. | 2.1 | 38 |
| 52 | Involvement of Microglial P2Y<sub>12</sub> Signaling in Tongue Cancer Pain. Journal of Dental Research, 2016, 95, 1176-1182. | 5.2 | 32 |
| 53 | Maternal Separation Induces Orofacial Mechanical Allodynia in Adulthood. Journal of Dental Research, 2016, 95, 1191-1197. | 5.2 | 15 |
| 54 | Regulation of transient receptor potential vanilloid 1 expression in trigeminal ganglion neurons via methyl-CpG binding protein 2 signaling contributes tongue heat sensitivity and inflammatory hyperalgesia in mice. Molecular Pain, 2016, 12, 174480691663320. | 2.1 | 14 |

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| 55 | P38 Phosphorylation in Medullary Microglia Mediates Ectopic Orofacial Inflammatory Pain in Rats. Molecular Pain, 2015, 11, s12990-015-0053. | 2.1 | 22 |
| 56 | Morphological and functional changes in regenerated primary afferent fibres following mental and inferior alveolar nerve transection. European Journal of Pain, 2015, 19, 1258-1266. | 2.8 | 10 |
| 57 | Involvement of peripheral artemin signaling in tongue pain. Pain, 2015, 156, 2528-2537. | 4.2 | 32 |
| 58 | Orthodontic Force Facilitates Cortical Responses to Periodontal Stimulation. Journal of Dental Research, 2015, 94, 1158-1166. | 5.2 | 32 |
| 59 | Basic research and clinical investigations of the neural basis of orofacial pain. Journal of Oral Biosciences, 2015, 57, 27-36. | 2.2 | 1 |
| 60 | Involvement of medullary GABAergic system in extraterritorial neuropathic pain mechanisms associated with inferior alveolar nerve transection. Experimental Neurology, 2015, 267, 42-52. | 4.1 | 34 |
| 61 | Involvement of TRPV1 and TRPA1 in Incisional Intraoral and Extraoral Pain. Journal of Dental Research, 2015, 94, 446-454. | 5.2 | 43 |
| 62 | Involvement of Trigeminal Transition Zone and Laminated Subnucleus Caudalis in Masseter Muscle Hypersensitivity Associated with Tooth Inflammation. PLoS ONE, 2014, 9, e109168. | 2.5 | 7 |
| 63 | Involvement of astroglial glutamateâ€“glutamine shuttle in modulation of the jawâ€opening reflex following infraorbital nerve injury. European Journal of Neuroscience, 2014, 39, 2050-2059. | 2.6 | 17 |
| 64 | <scp>TRPA</scp>1 contributes to capsaicinâ€induced facial cold hyperalgesia in rats. European Journal of Oral Sciences, 2014, 122, 391-396. | 1.5 | 32 |
| 65 | Immune and Endocrine Function in Patients With Burning Mouth Syndrome. Clinical Journal of Pain, 2014, 30, 168-173. | 1.9 | 33 |
| 66 | Neural communication in the trigeminal ganglion contributes to ectopic orofacial pain. Journal of Oral Biosciences, 2013, 55, 165-168. | 2.2 | 10 |
| 67 | Fractalkine Signaling in Microglia Contributes to Ectopic Orofacial Pain following Trapezius Muscle Inflammation. Journal of Neuroscience, 2013, 33, 7667-7680. | 3.6 | 48 |
| 68 | Interaction of IL-1Î² and P2X<sub>3</sub> Receptor in Pathologic Masseter Muscle Pain. Journal of Dental Research, 2013, 92, 456-460. | 5.2 | 18 |
| 69 | Nitric Oxide Signaling Contributes to Ectopic Orofacial Neuropathic Pain. Journal of Dental Research, 2013, 92, 1113-1117. | 5.2 | 30 |
| 70 | Changes in expression of growthâ€associated proteinâ€43 in trigeminal ganglion neurons and of the jaw opening reflex following inferior alveolar nerve transection in rats. European Journal of Oral Sciences, 2013, 121, 86-91. | 1.5 | 6 |
| 71 | Toll-like receptor 4 signaling in trigeminal ganglion neurons contributes tongue-referred pain associated with tooth pulp inflammation. Journal of Neuroinflammation, 2013, 10, 139. | 7.2 | 45 |
| 72 | Group cognitive-behavioral intervention for patients with burning mouth syndrome. Journal of Oral Science, 2013, 55, 17-22. | 1.7 | 43 |

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| 73 | Mechanisms Underlying Ectopic Persistent Tooth-Pulp Pain following Pulpal Inflammation. PLoS ONE, 2013, 8, e52840. | 2.5 | 36 |
| 74 | Involvement of ERK Phosphorylation of Trigeminal Spinal Subnucleus Caudalis Neurons in Thermal Hypersensitivity in Rats with Infraorbital Nerve Injury. PLoS ONE, 2013, 8, e57278. | 2.5 | 35 |
| 75 | Pain intensity and psychosocial characteristics of patients with burning mouth syndrome and trigeminal neuralgia. Journal of Oral Science, 2012, 54, 321-327. | 1.7 | 29 |
| 76 | P2X3 receptor mediates ectopic mechanical allodynia with inflamed lower lip in mice. Neuroscience Letters, 2012, 528, 67-72. | 2.1 | 29 |
| 77 | Involvement of transient receptor potential vanilloid 1 in ectopic pain following inferior alveolar nerve transection in rats. Neuroscience Letters, 2012, 513, 95-99. | 2.1 | 14 |
| 78 | Metabotropic glutamate receptor 5 contributes to inflammatory tongue pain via extracellular signal-regulated kinase signaling in the trigeminal spinal subnucleus caudalis and upper cervical spinal cord. Journal of Neuroinflammation, 2012, 9, 258. | 7.2 | 19 |
| 79 | New Models of Experimental Parotitis and Parotid Gland Distension in Rats. Methods in Molecular Biology, 2012, 851, 133-148. | 0.9 | 1 |
| 80 | Satellite Glial Cell P2Y<sub>12</sub> Receptor in the Trigeminal Ganglion is Involved in Lingual Neuropathic Pain Mechanisms in Rats. Molecular Pain, 2012, 8, 1744-8069-8-23. | 2.1 | 98 |
| 81 | Organization of hyperactive microglial cells in trigeminal spinal subnucleus caudalis and upper cervical spinal cord associated with orofacial neuropathic pain. Brain Research, 2012, 1451, 74-86. | 2.2 | 57 |
| 82 | Involvement of AMPA Receptor GluR2 and GluR3 Trafficking in Trigeminal Spinal Subnucleus Caudalis and C1/C2 Neurons in Acute-Facial Inflammatory Pain. PLoS ONE, 2012, 7, e44055. | 2.5 | 13 |
| 83 | Peripheral and Central Mechanisms of Trigeminal Neuropathic and Inflammatory Pain. Journal of Oral Biosciences, 2011, 53, 318-329. | 2.2 | 39 |
| 84 | Physiological Mechanisms Of Neuropathic Pain: The Orofacial Region. International Review of Neurobiology, 2011, 97, 227-250. | 2.0 | 69 |
| 85 | Involvement of GluR2 and GluR3 subunit C-termini in the trigeminal spinal subnucleus caudalis and C1â€“C2 neurons in trigeminal neuropathic pain. Neuroscience Letters, 2011, 491, 8-12. | 2.1 | 18 |
| 86 | Ascending multisynaptic pathways from the trigeminal ganglion to the anterior cingulate cortex. Experimental Neurology, 2011, 227, 69-78. | 4.1 | 29 |
| 87 | Organization of pERK-immunoreactive cells in trigeminal spinal nucleus caudalis, upper cervical cord, NTS and Pa5 following capsaicin injection into masticatory and swallowing-related muscles in rats. Brain Research, 2011, 1417, 45-54. | 2.2 | 10 |
| 88 | Mechanisms Involved in Extraterritorial Facial Pain following Cervical Spinal Nerve Injury in Rats. Molecular Pain, 2011, 7, 1744-8069-7-12. | 2.1 | 33 |
| 89 | Involvement of Peripheral Ionotropic Glutamate Receptors in Orofacial Thermal Hyperalgesia in Rats. Molecular Pain, 2011, 7, 1744-8069-7-75. | 2.1 | 19 |
| 90 | Nerve Growth Factor Contribution via Transient Receptor Potential Vanilloid 1 to Ectopic Orofacial Pain. Journal of Neuroscience, 2011, 31, 7145-7155. | 3.6 | 70 |

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|---|---|---|---|
| 91 | PKCÎ³ in Vc and C1/C2 is Involved in Trigeminal Neuropathic Pain. Journal of Dental Research, 2011, 90, 777-781. | 5.2 | 27 |
| 92 | Modulation of visceral hypersensitivity by glial cell line-derived neurotrophic factor family receptor Î±-3 in colorectal afferents. American Journal of Physiology - Renal Physiology, 2011, 300, G418-G424. | 3.4 | 26 |
| 93 | Alternation of Gene Expression in Trigeminal Ganglion Neurons Following Complete Freundâ€™s Adjuvant or Capsaicin Injection into the Rat Face. Journal of Molecular Neuroscience, 2010, 42, 200-209. | 2.3 | 21 |
| 94 | Purinergic Receptors are Involved in Tooth-Pulp Evoked Nocifensive Behavior and Brainstem Neuronal Activity. Molecular Pain, 2010, 6, 1744-8069-6-59. | 2.1 | 29 |
| 95 | Alteration of Primary Afferent Activity following Inferior Alveolar Nerve Transection in Rats. Molecular Pain, 2010, 6, 1744-8069-6-9. | 2.1 | 43 |
| 96 | Altered Purinergic Signaling in Colorectal Dorsal Root Ganglion Neurons Contributes to Colorectal Hypersensitivity. Journal of Neurophysiology, 2010, 104, 3113-3123. | 1.8 | 29 |
| 97 | Peripheral and Central P2X3 Receptor Contributions to Colon Mechanosensitivity and Hypersensitivity in the Mouse. Gastroenterology, 2009, 137, 2096-2104. | 1.3 | 61 |
| 98 | Involvement of ATP and its receptors on nociception in rat model of masseter muscle pain. Pain, 2008, 134, 148-157. | 4.2 | 42 |
| 99 | (111) Role of P2X receptors in colon hypersensitivity in the mouse. Journal of Pain, 2008, 9, 3. | 1.4 | 40 |
| 100 | Involvement of TRPV1 in Nociceptive Behavior in a Rat Model of Cancer Pain. Journal of Pain, 2008, 9, 687-699. | 1.4 | 60 |
| 101 | P2X3 Receptor Mediates Heat Hyperalgesia in a Rat Model of Trigeminal Neuropathic Pain. Journal of Pain, 2007, 8, 588-597. | 1.4 | 59 |
| 102 | Mechanical Allodynia and Thermal Hyperalgesia Induced by Experimental Squamous Cell Carcinoma of the Lower Gingiva in Rats. Journal of Pain, 2006, 7, 659-670. | 1.4 | 80 |
| 103 | Changes in P2X3 receptor expression in the trigeminal ganglion following monoarthritis of the temporomandibular joint in rats. Pain, 2005, 116, 42-51. | 4.2 | 73 |
| 104 | Heat and mechanical hyperalgesia in mice model of cancer pain. Pain, 2005, 117, 19-29. | 4.2 | 68 |
| 105 | Nerve terminals extend into the temporomandibular joint of adjuvant arthritic rats. European Journal of Pain, 2003, 7, 493-505. | 2.8 | 25 |
| 106 | Effects of physical training on body composition and organ weights in ovariectomized and hyperestrogenic rats. International Journal of Obesity, 2002, 26, 335-343. | 3.4 | 81 |
| 107 | Biomechanical calculation of human TM joint loading with jaw opening. Journal of Oral Rehabilitation, 2000, 27, 940. | 3.0 | 10 |
| 108 | Cold pressor stimulus temperature and resting masseter muscle haemodynamics in normal humans. Archives of Oral Biology, 1998, 43, 849-859. | 1.8 | 19 |

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| 109 | Viscoelastic Properties of the Pig Temporomandibular Joint Articular Soft Tissues of the Condyle and Disc. Journal of Dental Research, 1997, 76, 1760-1769. | 5.2 | 83 |
| 110 | Effects of physical training on body composition and organ weights in ovariectomized and hyperestrogenic rats. , 0, . | | 1 |