# Takahiro Masuda

List of Publications by Year
in descending order



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|---|---|---|---|
| 40 papers | 4,926 citations | 159585<br>30 h-index | 276875<br>41 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 5823 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A spinal microglia population involved in remitting and relapsing neuropathic pain. Science, 2022, 376, 86-90. | 12.6 | 98 |
| 2 | Specification of CNS macrophage subsets occurs postnatally in defined niches. Nature, 2022, 604, 740-748. | 27.8 | 107 |
| 3 | Mapping the origin and fate of myeloid cells in distinct compartments of the eye by singleâ€cell profiling. EMBO Journal, 2021, 40, e105123. | 7.8 | 60 |
| 4 | Diet-dependent regulation of TGFÎ² impairs reparative innate immune responses after demyelination. Nature Metabolism, 2021, 3, 211-227. | 11.9 | 41 |
| 5 | Microglia and Central Nervous Systemâ€"Associated Macrophagesâ€"From Origin to Disease Modulation. Annual Review of Immunology, 2021, 39, 251-277. | 21.8 | 228 |
| 6 | Comparative analysis of CreER transgenic mice for the study of brain macrophages: A case study. European Journal of Immunology, 2020, 50, 353-362. | 2.9 | 53 |
| 7 | Novel Hexb-based tools for studying microglia in the CNS. Nature Immunology, 2020, 21, 802-815. | 14.5 | 186 |
| 8 | Microglia Heterogeneity in the Single-Cell Era. Cell Reports, 2020, 30, 1271-1281. | 6.4 | 421 |
| 9 | Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. Nature Neuroscience, 2020, 23, 676-689. | 14.8 | 148 |
| 10 | Macrophages at CNS interfaces: ontogeny and function in health andÂdisease. Nature Reviews Neuroscience, 2019, 20, 547-562. | 10.2 | 250 |
| 11 | A Subset of Skin Macrophages Contributes to the Surveillance and Regeneration of Local Nerves. Immunity, 2019, 50, 1482-1497.e7. | 14.3 | 141 |
| 12 | Macrophage centripetal migration drives spontaneous healing process after spinal cord injury. Science Advances, 2019, 5, eaav5086. | 10.3 | 60 |
| 13 | Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution. Nature, 2019, 566, 388-392. | 27.8 | 853 |
| 14 | Mapping microglia states in the human brain through the integration of high-dimensional techniques. Nature Neuroscience, 2019, 22, 2098-2110. | 14.8 | 296 |
| 15 | Transcription factor MafB contributes to the activation of spinal microglia underlying neuropathic pain development. Glia, 2019, 67, 729-740. | 4.9 | 37 |
| 16 | Silencing of TGFÎ² signalling in microglia results in impaired homeostasis. Nature Communications, 2018, 9, 4011. | 12.8 | 125 |
| 17 | Peripheral Nerve Injury: a Mouse Model of Neuropathic Pain. Bio-protocol, 2017, 7, e2252. | 0.4 | 2 |
| 18 | Dorsal horn neurons release extracellular ATP in a VNUT-dependent manner that underlies neuropathic pain. Nature Communications, 2016, 7, 12529. | 12.8 | 142 |

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|---|---|---|---|
| 19 | Glucocorticoid regulation of ATP release from spinal astrocytes underlies diurnal exacerbation of neuropathic mechanical allodynia. Nature Communications, 2016, 7, 13102. | 12.8 | 105 |
| 20 | A novel P2X4 receptor-selective antagonist produces anti-allodynic effect in a mouse model of herpetic pain. Scientific Reports, 2016, 6, 32461. | 3.3 | 95 |
| 21 | Microglia: A Unique Versatile Cell in the Central Nervous System. ACS Chemical Neuroscience, 2016, 7, 428-434. | 3.5 | 39 |
| 22 | Transcriptional regulation in microglia and neuropathic pain. Pain Management, 2016, 6, 91-94. | 1.5 | 5 |
| 23 | Transcription factor IRF1 is responsible for IRF8-mediated IL-1Î² expression in reactive microglia. Journal of Pharmacological Sciences, 2015, 128, 216-220. | 2.5 | 38 |
| 24 | Transcription factor IRF5 drives P2X4R+-reactive microglia gating neuropathic pain. Nature Communications, 2014, 5, 3771. | 12.8 | 155 |
| 25 | IRF8 is a transcriptional determinant for microglial motility. Purinergic Signalling, 2014, 10, 515-521. | 2.2 | 27 |
| 26 | Interferon Regulatory Factor 8 Expressed in Microglia Contributes to Tactile Allodynia Induced by Repeated Cold Stress in Rodents. Journal of Pharmacological Sciences, 2014, 126, 172-176. | 2.5 | 22 |
| 27 | Chemokine (C-C motif) Receptor 5 Is an Important Pathological Regulator in the Development and Maintenance of Neuropathic Pain. Anesthesiology, 2014, 120, 1491-1503. | 2.5 | 61 |
| 28 | Spinal Cord is the Primary Site of Action of the Cannabinoid CB2 Receptor Agonist JWH133 that Suppresses Neuropathic Pain: Possible Involvement of Microglia. Open Pain Journal, 2014, 7, 1-8. | 0.4 | 2 |
| 29 | Microglial Regulation of Neuropathic Pain. Journal of Pharmacological Sciences, 2013, 121, 89-94. | 2.5 | 102 |
| 30 | P2X4 receptors and neuropathic pain. Frontiers in Cellular Neuroscience, 2013, 7, 191. | 3.7 | 106 |
| 31 | Intrathecal Infusion of Microglia Cells. Methods in Molecular Biology, 2013, 1041, 291-294. | 0.9 | 1 |
| 32 | Lentiviral Transduction of Cultured Microglia. Methods in Molecular Biology, 2013, 1041, 63-67. | 0.9 | 10 |
| 33 | IRF8 Is a Critical Transcription Factor for Transforming Microglia into a Reactive Phenotype. Cell Reports, 2012, 1, 334-340. | 6.4 | 249 |
| 34 | Neuronal CCL21 up-regulates microglia P2X4 expression and initiates neuropathic pain development. EMBO Journal, 2011, 30, 1864-1873. | 7.8 | 146 |
| 35 | Interferon regulatory factor-8 is a transcription factor inducing expression of genes encoding pain-related molecules in spinal microglia. Neuroscience Research, 2010, 68, e80. | 1.9 | 0 |
| 36 | IFN-Î³ receptor signaling mediates spinal microglia activation driving neuropathic pain. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8032-8037. | 7.1 | 245 |

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| 37 | Lyn tyrosine kinase is required for P2X<sub>4</sub> receptor upregulation and neuropathic pain after peripheral nerve injury. Glia, 2008, 56, 50-58. | 4.9 | 99 |
| 38 | Fibronectin/integrin system is involved in P2X<sub>4</sub> receptor upregulation in the spinal cord and neuropathic pain after nerve injury. Glia, 2008, 56, 579-585. | 4.9 | 105 |
| 39 | Reduced pain behaviors and extracellular signalâ€related protein kinase activation in primary sensory neurons by peripheral tissue injury in mice lacking plateletâ€activating factor receptor. Journal of Neurochemistry, 2007, 102, 1658-1668. | 3.9 | 29 |
| 40 | Intramuscular hemodynamics in bilateral erector spinae muscles in symmetrical and asymmetrical postures with and without loading. Clinical Biomechanics, 2006, 21, 245-253. | 1.2 | 5 |