

Takahiro Masuda

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,926
citations

159585

30
h-index

276875

41
g-index

48
all docs

48
docs citations

48
times ranked

5823
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution. <i>Nature</i> , 2019, 566, 388-392.	27.8	853
2	Microglia Heterogeneity in the Single-Cell Era. <i>Cell Reports</i> , 2020, 30, 1271-1281.	6.4	421
3	Mapping microglia states in the human brain through the integration of high-dimensional techniques. <i>Nature Neuroscience</i> , 2019, 22, 2098-2110.	14.8	296
4	Macrophages at CNS interfaces: ontogeny and function in health and disease. <i>Nature Reviews Neuroscience</i> , 2019, 20, 547-562.	10.2	250
5	IRF8 Is a Critical Transcription Factor for Transforming Microglia into a Reactive Phenotype. <i>Cell Reports</i> , 2012, 1, 334-340.	6.4	249
6	IFN- γ receptor signaling mediates spinal microglia activation driving neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8032-8037.	7.1	245
7	Microglia and Central Nervous System "Associated Macrophages" From Origin to Disease Modulation. <i>Annual Review of Immunology</i> , 2021, 39, 251-277.	21.8	228
8	Novel Hexb-based tools for studying microglia in the CNS. <i>Nature Immunology</i> , 2020, 21, 802-815.	14.5	186
9	Transcription factor IRF5 drives P2X4R+ reactive microglia gating neuropathic pain. <i>Nature Communications</i> , 2014, 5, 3771.	12.8	155
10	Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. <i>Nature Neuroscience</i> , 2020, 23, 676-689.	14.8	148
11	Neuronal CCL21 up-regulates microglia P2X4 expression and initiates neuropathic pain development. <i>EMBO Journal</i> , 2011, 30, 1864-1873.	7.8	146
12	Dorsal horn neurons release extracellular ATP in a VNUT-dependent manner that underlies neuropathic pain. <i>Nature Communications</i> , 2016, 7, 12529.	12.8	142
13	A Subset of Skin Macrophages Contributes to the Surveillance and Regeneration of Local Nerves. <i>Immunity</i> , 2019, 50, 1482-1497.e7.	14.3	141
14	Silencing of TGF β 2 signalling in microglia results in impaired homeostasis. <i>Nature Communications</i> , 2018, 9, 4011.	12.8	125
15	Specification of CNS macrophage subsets occurs postnatally in defined niches. <i>Nature</i> , 2022, 604, 740-748.	27.8	107
16	P2X4 receptors and neuropathic pain. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 191.	3.7	106
17	Fibronectin/integrin system is involved in P2X ₄ receptor upregulation in the spinal cord and neuropathic pain after nerve injury. <i>Glia</i> , 2008, 56, 579-585.	4.9	105
18	Glucocorticoid regulation of ATP release from spinal astrocytes underlies diurnal exacerbation of neuropathic mechanical allodynia. <i>Nature Communications</i> , 2016, 7, 13102.	12.8	105

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19	Microglial Regulation of Neuropathic Pain. <i>Journal of Pharmacological Sciences</i> , 2013, 121, 89-94.	2.5	102
20	Lyn tyrosine kinase is required for P2X ₄ receptor upregulation and neuropathic pain after peripheral nerve injury. <i>Glia</i> , 2008, 56, 50-58.	4.9	99
21	A spinal microglia population involved in remitting and relapsing neuropathic pain. <i>Science</i> , 2022, 376, 86-90.	12.6	98
22	A novel P2X4 receptor-selective antagonist produces anti-allodynic effect in a mouse model of herpetic pain. <i>Scientific Reports</i> , 2016, 6, 32461.	3.3	95
23	Chemokine (C-C motif) Receptor 5 Is an Important Pathological Regulator in the Development and Maintenance of Neuropathic Pain. <i>Anesthesiology</i> , 2014, 120, 1491-1503.	2.5	61
24	Macrophage centripetal migration drives spontaneous healing process after spinal cord injury. <i>Science Advances</i> , 2019, 5, eaav5086.	10.3	60
25	Mapping the origin and fate of myeloid cells in distinct compartments of the eye by single-cell profiling. <i>EMBO Journal</i> , 2021, 40, e105123.	7.8	60
26	Comparative analysis of CreER transgenic mice for the study of brain macrophages: A case study. <i>European Journal of Immunology</i> , 2020, 50, 353-362.	2.9	53
27	Diet-dependent regulation of TGF β 2 impairs reparative innate immune responses after demyelination. <i>Nature Metabolism</i> , 2021, 3, 211-227.	11.9	41
28	Microglia: A Unique Versatile Cell in the Central Nervous System. <i>ACS Chemical Neuroscience</i> , 2016, 7, 428-434.	3.5	39
29	Transcription factor IRF1 is responsible for IRF8-mediated IL-1 β expression in reactive microglia. <i>Journal of Pharmacological Sciences</i> , 2015, 128, 216-220.	2.5	38
30	Transcription factor MafB contributes to the activation of spinal microglia underlying neuropathic pain development. <i>Glia</i> , 2019, 67, 729-740.	4.9	37
31	Reduced pain behaviors and extracellular signal-related protein kinase activation in primary sensory neurons by peripheral tissue injury in mice lacking platelet-activating factor receptor. <i>Journal of Neurochemistry</i> , 2007, 102, 1658-1668.	3.9	29
32	IRF8 is a transcriptional determinant for microglial motility. <i>Purinergic Signalling</i> , 2014, 10, 515-521.	2.2	27
33	Interferon Regulatory Factor 8 Expressed in Microglia Contributes to Tactile Allodynia Induced by Repeated Cold Stress in Rodents. <i>Journal of Pharmacological Sciences</i> , 2014, 126, 172-176.	2.5	22
34	Lentiviral Transduction of Cultured Microglia. <i>Methods in Molecular Biology</i> , 2013, 1041, 63-67.	0.9	10
35	Intramuscular hemodynamics in bilateral erector spinae muscles in symmetrical and asymmetrical postures with and without loading. <i>Clinical Biomechanics</i> , 2006, 21, 245-253.	1.2	5
36	Transcriptional regulation in microglia and neuropathic pain. <i>Pain Management</i> , 2016, 6, 91-94.	1.5	5

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37	Spinal Cord is the Primary Site of Action of the Cannabinoid CB2 Receptor Agonist JWH133 that Suppresses Neuropathic Pain: Possible Involvement of Microglia. <i>Open Pain Journal</i> , 2014, 7, 1-8.	0.4	2
38	Peripheral Nerve Injury: a Mouse Model of Neuropathic Pain. <i>Bio-protocol</i> , 2017, 7, e2252.	0.4	2
39	Intrathecal Infusion of Microglia Cells. <i>Methods in Molecular Biology</i> , 2013, 1041, 291-294.	0.9	1
40	Interferon regulatory factor-8 is a transcription factor inducing expression of genes encoding pain-related molecules in spinal microglia. <i>Neuroscience Research</i> , 2010, 68, e80.	1.9	0