

Xiaoming Hu

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

8,891
citations

57758

44
h-index

85541

71
g-index

71
all docs

71
docs citations

71
times ranked

9951
citing authors

#	ARTICLE	IF	CITATIONS
1	Hepatokine ERAP1 Disturbs Skeletal Muscle Insulin Sensitivity Via Inhibiting USP33-Mediated ADRB2 Deubiquitination. <i>Diabetes</i> , 2022, 71, 921-933.	0.6	5
2	IL-33/ST2 Axis Protects Against Traumatic Brain Injury Through Enhancing the Function of Regulatory T Cells. <i>Frontiers in Immunology</i> , 2022, 13, 860772.	4.8	16
3	InterCellDB: A User-Defined Database for Inferring Intercellular Networks. <i>Advanced Science</i> , 2022, 9, .	11.2	5
4	Phagocytic microglia and macrophages in brain injury and repair. <i>CNS Neuroscience and Therapeutics</i> , 2022, 28, 1279-1293.	3.9	38
5	Interleukin-4 improves white matter integrity and functional recovery after murine traumatic brain injury via oligodendroglial PPAR γ . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 511-529.	4.3	37
6	Microglial Responses to Brain Injury and Disease: Functional Diversity and New Opportunities. <i>Translational Stroke Research</i> , 2021, 12, 474-495.	4.2	36
7	Microglial/Macrophage polarization and function in brain injury and repair after stroke. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 515-527.	3.9	91
8	IL33 (Interleukin 33)/ST2 (Interleukin 1 Receptor-Like 1) Axis Drives Protective Microglial Responses and Promotes White Matter Integrity After Stroke. <i>Stroke</i> , 2021, 52, 2150-2161.	2.0	28
9	Intranasal delivery of interleukin-4 attenuates chronic cognitive deficits via beneficial microglial responses in experimental traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2870-2886.	4.3	21
10	Treg cell-derived osteopontin promotes microglia-mediated white matter repair after ischemic stroke. <i>Immunity</i> , 2021, 54, 1527-1542.e8.	14.3	163
11	Heat Shock Protein 70 as a Sex-Skewed Regulator of α -Synucleinopathy. <i>Neurotherapeutics</i> , 2021, 18, 2541-2564.	4.4	5
12	Adiponectin ameliorates hypoperfusive cognitive deficits by boosting a neuroprotective microglial response. <i>Progress in Neurobiology</i> , 2021, 205, 102125.	5.7	20
13	TGF β preserves oligodendrocyte lineage cells and improves white matter integrity after cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 639-655.	4.3	67
14	Functional Dynamics of Neutrophils After Ischemic Stroke. <i>Translational Stroke Research</i> , 2020, 11, 108-121.	4.2	108
15	RNA sequencing reveals novel macrophage transcriptome favoring neurovascular plasticity after ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 720-738.	4.3	33
16	Microglia/macrophage polarization: Fantasy or evidence of functional diversity?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, S134-S136.	4.3	25
17	IL-4/STAT6 signaling facilitates innate hematoma resolution and neurological recovery after hemorrhagic stroke in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32679-32690.	7.1	93
18	Transcriptomic and functional studies reveal undermined chemotactic and angiostimulatory properties of aged microglia during stroke recovery. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, S81-S97.	4.3	29

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19	Transforming Growth Factor Beta-Activated Kinase 1-Dependent Microglial and Macrophage Responses Aggravate Long-Term Outcomes After Ischemic Stroke. <i>Stroke</i> , 2020, 51, 975-985.	2.0	55
20	Genome-wide transcriptomic analysis of microglia reveals impaired responses in aged mice after cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, S49-S66.	4.3	41
21	The interleukin-4/PPAR γ signaling axis promotes oligodendrocyte differentiation and remyelination after brain injury. <i>PLoS Biology</i> , 2019, 17, e3000330.	5.6	95
22	Microglia/macrophage diversities in central nervous system physiology and pathology. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 1287-1289.	3.9	14
23	Post-stroke administration of omega-3 polyunsaturated fatty acids promotes neurovascular restoration after ischemic stroke in mice: Efficacy declines with aging. <i>Neurobiology of Disease</i> , 2019, 126, 62-75.	4.4	31
24	STAT6/Arg1 promotes microglia/macrophage efferocytosis and inflammation resolution in stroke mice. <i>JCI Insight</i> , 2019, 4, .	5.0	146
25	Peroxisome proliferator-activated receptor γ (PPAR γ): A master gatekeeper in CNS injury and repair. <i>Progress in Neurobiology</i> , 2018, 163-164, 27-58.	5.7	156
26	In Vivo Expansion of Regulatory T Cells with IL-2/IL-2 Antibody Complex Protects against Transient Ischemic Stroke. <i>Journal of Neuroscience</i> , 2018, 38, 10168-10179.	3.6	85
27	Diabetes Mellitus Impairs White Matter Repair and Long-Term Functional Deficits After Cerebral Ischemia. <i>Stroke</i> , 2018, 49, 2453-2463.	2.0	68
28	Cancer Exacerbates Ischemic Brain Injury Via Nrp1 (Neuropilin 1)-Mediated Accumulation of Regulatory T Cells Within the Tumor. <i>Stroke</i> , 2018, 49, 2733-2742.	2.0	16
29	Tissue plasminogen activator promotes white matter integrity and functional recovery in a murine model of traumatic brain injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9230-E9238.	7.1	54
30	Post-stroke DHA Treatment Protects Against Acute Ischemic Brain Injury by Skewing Macrophage Polarity Toward the M2 Phenotype. <i>Translational Stroke Research</i> , 2018, 9, 669-680.	4.2	66
31	Promises and limitations of immune cell-based therapies in neurological disorders. <i>Nature Reviews Neurology</i> , 2018, 14, 559-568.	10.1	34
32	Endothelium-targeted overexpression of heat shock protein 27 ameliorates blood-brain barrier disruption after ischemic brain injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1243-E1252.	7.1	119
33	Cerebral Vascular Disease and Neurovascular Injury in Ischemic Stroke. <i>Circulation Research</i> , 2017, 120, 449-471.	4.5	286
34	Regulatory T cells ameliorate tissue plasminogen activator-induced brain haemorrhage after stroke. <i>Brain</i> , 2017, 140, 1914-1931.	7.6	146
35	ST2/IL-33-Dependent Microglial Response Limits Acute Ischemic Brain Injury. <i>Journal of Neuroscience</i> , 2017, 37, 4692-4704.	3.6	169
36	CXCR5 Chemokine Receptor Type 5 (CCR5)-Mediated Docking of Transferred Tregs Protects Against Early Blood-Brain Barrier Disruption After Stroke. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	65

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37	Pericytes in Brain Injury and Repair After Ischemic Stroke. Translational Stroke Research, 2017, 8, 107-121.	4.2	127
38	Aging of cerebral white matter. Ageing Research Reviews, 2017, 34, 64-76.	10.9	191
39	Dysfunction of the neurovascular unit in ischemic stroke and neurodegenerative diseases: An aging effect. Ageing Research Reviews, 2017, 34, 77-87.	10.9	205
40	A Post-stroke Therapeutic Regimen with Omega-3 Polyunsaturated Fatty Acids that Promotes White Matter Integrity and Beneficial Microglial Responses after Cerebral Ischemia. Translational Stroke Research, 2016, 7, 548-561.	4.2	70
41	Neurotransmitter receptors on microglia. Stroke and Vascular Neurology, 2016, 1, 52-58.	3.3	116
42	Severity-Dependent Long-Term Spatial Learning-Memory Impairment in a Mouse Model of Traumatic Brain Injury. Translational Stroke Research, 2016, 7, 512-520.	4.2	34
43	Regulatory T Cell Therapy for Ischemic Stroke: how far from Clinical Translation?. Translational Stroke Research, 2016, 7, 415-419.	4.2	28
44	APE1/Ref-1 facilitates recovery of gray and white matter and neurological function after mild stroke injury. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3558-67.	7.1	42
45	Rapid endothelial cytoskeletal reorganization enables early blood-brain barrier disruption and long-term ischaemic reperfusion brain injury. Nature Communications, 2016, 7, 10523.	12.8	309
46	Omega-3 polyunsaturated fatty acids mitigate blood-brain barrier disruption after hypoxic-ischemic brain injury. Neurobiology of Disease, 2016, 91, 37-46.	4.4	70
47	Interleukin-4 Is Essential for Microglia/Macrophage M2 Polarization and Long-Term Recovery After Cerebral Ischemia. Stroke, 2016, 47, 498-504.	2.0	300
48	HDAC inhibition prevents white matter injury by modulating microglia/macrophage polarization through the GSK3 β /PTEN/Akt axis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2853-2858.	7.1	303
49	Functional Role of Regulatory Lymphocytes in Stroke. Stroke, 2015, 46, 1422-1430.	2.0	136
50	Dietary supplementation with omega-3 polyunsaturated fatty acids robustly promotes neurovascular restorative dynamics and improves neurological functions after stroke. Experimental Neurology, 2015, 272, 170-180.	4.1	44
51	Demyelination as a rational therapeutic target for ischemic or traumatic brain injury. Experimental Neurology, 2015, 272, 17-25.	4.1	118
52	White matter injury and microglia/macrophage polarization are strongly linked with age-related long-term deficits in neurological function after stroke. Experimental Neurology, 2015, 272, 109-119.	4.1	150
53	α -3 Polyunsaturated Fatty Acids Reduce Neonatal Hypoxic/Ischemic Brain Injury by Promoting Phosphatidylserine Formation and Akt Signaling. Stroke, 2015, 46, 2943-2950.	2.0	58
54	SIRP/CD47 signaling in neurological disorders. Brain Research, 2015, 1623, 74-80.	2.2	51

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55	Rosiglitazone Promotes White Matter Integrity and Long-Term Functional Recovery After Focal Cerebral Ischemia. <i>Stroke</i> , 2015, 46, 2628-2636.	2.0	135
56	Microglial and macrophage polarization—new prospects for brain repair. <i>Nature Reviews Neurology</i> , 2015, 11, 56-64.	10.1	1,093
57	Regulation of Neuroinflammation through Programed Death-1/Programed Death Ligand Signaling in Neurological Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 271.	3.7	38
58	Essential Role of Program Death 1-Ligand 1 in Regulatory T-Cell—Afforded Protection Against Blood—Brain Barrier Damage After Stroke. <i>Stroke</i> , 2014, 45, 857-864.	2.0	106
59	Omega-3 polyunsaturated fatty acids enhance cerebral angiogenesis and provide long-term protection after stroke. <i>Neurobiology of Disease</i> , 2014, 68, 91-103.	4.4	78
60	Preconditioning provides neuroprotection in models of CNS disease: Paradigms and clinical significance. <i>Progress in Neurobiology</i> , 2014, 114, 58-83.	5.7	164
61	Molecular dialogs between the ischemic brain and the peripheral immune system: Dualistic roles in injury and repair. <i>Progress in Neurobiology</i> , 2014, 115, 6-24.	5.7	168
62	Neurobiology of microglial action in CNS injuries: Receptor-mediated signaling mechanisms and functional roles. <i>Progress in Neurobiology</i> , 2014, 119-120, 60-84.	5.7	108
63	n-3 PUFA supplementation benefits microglial responses to myelin pathology. <i>Scientific Reports</i> , 2014, 4, 7458.	3.3	117
64	Adoptive regulatory T—cell therapy protects against cerebral ischemia. <i>Annals of Neurology</i> , 2013, 74, 458-471.	5.3	246
65	Microglia/Macrophage Polarization Dynamics in White Matter after Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1864-1874.	4.3	387
66	PRO: Regulatory T Cells Are Protective in Ischemic Stroke. <i>Stroke</i> , 2013, 44, e85-e86.	2.0	15
67	Delivery of Neurotherapeutics Across the Blood Brain Barrier in Stroke. <i>Current Pharmaceutical Design</i> , 2012, 18, 3704-3720.	1.9	10
68	Microglia/Macrophage Polarization Dynamics Reveal Novel Mechanism of Injury Expansion After Focal Cerebral Ischemia. <i>Stroke</i> , 2012, 43, 3063-3070.	2.0	1,239
69	Focal cerebral ischemia activates neurovascular restorative dynamics in mouse brain. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 1926.	1.8	27
70	Peroxiredoxin-2 Protects against 6-Hydroxydopamine-Induced Dopaminergic Neurodegeneration via Attenuation of the Apoptosis Signal-Regulating Kinase (ASK1) Signaling Cascade. <i>Journal of Neuroscience</i> , 2011, 31, 247-261.	3.6	136