Xiaoming Hu

List of Publications by Year
in descending order

70 papers	8,891 citations	66250 44 h-index	97045 71 g-index
71 all docs	71 docs citations	71 times ranked	10670 citing authors

#	Article	IF	Citations
1	Hepatokine ERAP1 Disturbs Skeletal Muscle Insulin Sensitivity Via Inhibiting USP33-Mediated ADRB2 Deubiquitination. Diabetes, 2022, 71, 921-933.	0.3	5
2	IL-33/ST2 Axis Protects Against Traumatic Brain Injury Through Enhancing the Function of Regulatory T Cells. Frontiers in Immunology, 2022, 13, 860772.	2.2	16
3	InterCellDB: A Userâ€Defined Database for Inferring Intercellular Networks. Advanced Science, 2022, 9, .	5.6	5
4	Phagocytic microglia and macrophages in brain injury and repair. CNS Neuroscience and Therapeutics, 2022, 28, 1279-1293.	1.9	38
5	Interleukin-4 improves white matter integrity and functional recovery after murine traumatic brain injury via oligodendroglial PPARÎ³. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 511-529.	2.4	37
6	Microglial Responses to Brain Injury and Disease: Functional Diversity and New Opportunities. Translational Stroke Research, 2021, 12, 474-495.	2.3	36
7	Microglial/Macrophage polarization and function in brain injury and repair after stroke. CNS Neuroscience and Therapeutics, 2021, 27, 515-527.	1.9	91
8	IL33 (Interleukin 33)/ST2 (Interleukin 1 Receptor-Like 1) Axis Drives Protective Microglial Responses and Promotes White Matter Integrity After Stroke. Stroke, 2021, 52, 2150-2161.	1.0	28
9	Intranasal delivery of interleukin-4 attenuates chronic cognitive deficits via beneficial microglial responses in experimental traumatic brain injury. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2870-2886.	2.4	21
10	Treg cell-derived osteopontin promotes microglia-mediated white matter repair after ischemic stroke. Immunity, 2021, 54, 1527-1542.e8.	6.6	163
11	Heat Shock Protein 70 as a Sex-Skewed Regulator of Î±-Synucleinopathy. Neurotherapeutics, 2021, 18, 2541-2564.	2.1	5
12	Adiponectin ameliorates hypoperfusive cognitive deficits by boosting a neuroprotective microglial response. Progress in Neurobiology, 2021, 205, 102125.	2.8	20
13	TGFÎ± preserves oligodendrocyte lineage cells and improves white matter integrity after cerebral ischemia. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 639-655.	2.4	67
14	Functional Dynamics of Neutrophils After Ischemic Stroke. Translational Stroke Research, 2020, 11, 108-121.	2.3	108
15	RNA sequencing reveals novel macrophage transcriptome favoring neurovascular plasticity after ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 720-738.	2.4	33
16	Microglia/macrophage polarization: Fantasy or evidence of functional diversity?. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S134-S136.	2.4	25
17	IL-4/STAT6 signaling facilitates innate hematoma resolution and neurological recovery after hemorrhagic stroke in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32679-32690.	3.3	93
18	Transcriptomic and functional studies reveal undermined chemotactic and angiostimulatory properties of aged microglia during stroke recovery. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S81-S97.	2.4	29

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19	Transforming Growth Factor Beta-Activated Kinase 1â€“Dependent Microglial and Macrophage Responses Aggravate Long-Term Outcomes After Ischemic Stroke. Stroke, 2020, 51, 975-985.	1.0	55
20	Genome-wide transcriptomic analysis of microglia reveals impaired responses in aged mice after cerebral ischemia. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S49-S66.	2.4	41
21	The interleukin-4/PPARÎ³ signaling axis promotes oligodendrocyte differentiation and remyelination after brain injury. PLoS Biology, 2019, 17, e3000330.	2.6	95
22	Microglia/macrophage diversities in central nervous system physiology and pathology. CNS Neuroscience and Therapeutics, 2019, 25, 1287-1289.	1.9	14
23	Post-stroke administration of omega-3 polyunsaturated fatty acids promotes neurovascular restoration after ischemic stroke in mice: Efficacy declines with aging. Neurobiology of Disease, 2019, 126, 62-75.	2.1	31
24	STAT6/Arg1 promotes microglia/macrophage efferocytosis and inflammation resolution in stroke mice. JCI Insight, 2019, 4, .	2.3	146
25	Peroxisome proliferator-activated receptor Î³ (PPARÎ³): A master gatekeeper in CNS injury and repair. Progress in Neurobiology, 2018, 163-164, 27-58.	2.8	156
26	<i>In Vivo</i>Expansion of Regulatory T Cells with IL-2/IL-2 Antibody Complex Protects against Transient Ischemic Stroke. Journal of Neuroscience, 2018, 38, 10168-10179.	1.7	85
27	Diabetes Mellitus Impairs White Matter Repair and Long-Term Functional Deficits After Cerebral Ischemia. Stroke, 2018, 49, 2453-2463.	1.0	68
28	Cancer Exacerbates Ischemic Brain Injury Via Nrp1 (Neuropilin 1)-Mediated Accumulation of Regulatory T Cells Within the Tumor. Stroke, 2018, 49, 2733-2742.	1.0	16
29	Tissue plasminogen activator promotes white matter integrity and functional recovery in a murine model of traumatic brain injury. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9230-E9238.	3.3	54
30	Post-stroke DHA Treatment Protects Against Acute Ischemic Brain Injury by Skewing Macrophage Polarity Toward the M2 Phenotype. Translational Stroke Research, 2018, 9, 669-680.	2.3	66
31	Promises and limitations of immune cell-based therapies in neurological disorders. Nature Reviews Neurology, 2018, 14, 559-568.	4.9	34
32	Endothelium-targeted overexpression of heat shock protein 27 ameliorates bloodâ€“brain barrier disruption after ischemic brain injury. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1243-E1252.	3.3	119
33	Cerebral Vascular Disease and Neurovascular Injury in Ischemic Stroke. Circulation Research, 2017, 120, 449-471.	2.0	286
34	Regulatory T cells ameliorate tissue plasminogen activator-induced brain haemorrhage after stroke. Brain, 2017, 140, 1914-1931.	3.7	146
35	ST2/IL-33-Dependent Microglial Response Limits Acute Ischemic Brain Injury. Journal of Neuroscience, 2017, 37, 4692-4704.	1.7	169
36	Câ€C Chemokine Receptor Type 5 (CCR5)â€Mediated Docking of Transferred Tregs Protects Against Early Bloodâ€Brain Barrier Disruption After Stroke. Journal of the American Heart Association, 2017, 6, .	1.6	65

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37	Pericytes in Brain Injury and Repair After Ischemic Stroke. Translational Stroke Research, 2017, 8, 107-121.	2.3	127
38	Aging of cerebral white matter. Ageing Research Reviews, 2017, 34, 64-76.	5.0	191
39	Dysfunction of the neurovascular unit in ischemic stroke and neurodegenerative diseases: An aging effect. Ageing Research Reviews, 2017, 34, 77-87.	5.0	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.	2.3	70
41	Neurotransmitter receptors on microglia. Stroke and Vascular Neurology, 2016, 1, 52-58.	1.5	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.	2.3	34
43	Regulatory T Cell Therapy for Ischemic Stroke: how far from Clinical Translation?. Translational Stroke Research, 2016, 7, 415-419.	2.3	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.	3.3	42
45	Rapid endothelial cytoskeletal reorganization enables early bloodâ€“brain barrier disruption and long-term ischaemic reperfusion brain injury. Nature Communications, 2016, 7, 10523.	5.8	309
46	Omega-3 polyunsaturated fatty acids mitigate bloodâ€“brain barrier disruption after hypoxicâ€“ischemic brain injury. Neurobiology of Disease, 2016, 91, 37-46.	2.1	70
47	Interleukin-4 Is Essential for Microglia/Macrophage M2 Polarization and Long-Term Recovery After Cerebral Ischemia. Stroke, 2016, 47, 498-504.	1.0	300
48	HDAC inhibition prevents white matter injury by modulating microglia/macrophage polarization through the GSK3Î²/PTEN/Akt axis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2853-2858.	3.3	303
49	Functional Role of Regulatory Lymphocytes in Stroke. Stroke, 2015, 46, 1422-1430.	1.0	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.	2.0	44
51	Demyelination as a rational therapeutic target for ischemic or traumatic brain injury. Experimental Neurology, 2015, 272, 17-25.	2.0	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.	2.0	150
53	<i>n</i> -3 Polyunsaturated Fatty Acids Reduce Neonatal Hypoxic/Ischemic Brain Injury by Promoting Phosphatidylserine Formation and Akt Signaling. Stroke, 2015, 46, 2943-2950.	1.0	58
54	SIRP/CD47 signaling in neurological disorders. Brain Research, 2015, 1623, 74-80.	1.1	51

#	Article	IF	Citations
55	Rosiglitazone Promotes White Matter Integrity and Long-Term Functional Recovery After Focal Cerebral Ischemia. Stroke, 2015, 46, 2628-2636.	1.0	135
56	Microglial and macrophage polarizationâ€”new prospects for brain repair. Nature Reviews Neurology, 2015, 11, 56-64.	4.9	1,093
57	Regulation of Neuroinflammation through Programed Death-1/Programed Death Ligand Signaling in Neurological Disorders. Frontiers in Cellular Neuroscience, 2014, 8, 271.	1.8	38
58	Essential Role of Program Death 1-Ligand 1 in Regulatory T-Cellâ€"Afforded Protection Against Bloodâ€"Brain Barrier Damage After Stroke. Stroke, 2014, 45, 857-864.	1.0	106
59	Omega-3 polyunsaturated fatty acids enhance cerebral angiogenesis and provide long-term protection after stroke. Neurobiology of Disease, 2014, 68, 91-103.	2.1	78
60	Preconditioning provides neuroprotection in models of CNS disease: Paradigms and clinical significance. Progress in Neurobiology, 2014, 114, 58-83.	2.8	164
61	Molecular dialogs between the ischemic brain and the peripheral immune system: Dualistic roles in injury and repair. Progress in Neurobiology, 2014, 115, 6-24.	2.8	168
62	Neurobiology of microglial action in CNS injuries: Receptor-mediated signaling mechanisms and functional roles. Progress in Neurobiology, 2014, 119-120, 60-84.	2.8	108
63	n-3 PUFA supplementation benefits microglial responses to myelin pathology. Scientific Reports, 2014, 4, 7458.	1.6	117
64	Adoptive regulatory Tâ€cell therapy protects against cerebral ischemia. Annals of Neurology, 2013, 74, 458-471.	2.8	246
65	Microglia/Macrophage Polarization Dynamics in White Matter after Traumatic Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1864-1874.	2.4	387
66	PRO: Regulatory T Cells Are Protective in Ischemic Stroke. Stroke, 2013, 44, e85-e86.	1.0	15
67	Delivery of Neurotherapeutics Across the Blood Brain Barrier in Stroke. Current Pharmaceutical Design, 2012, 18, 3704-3720.	0.9	10
68	Microglia/Macrophage Polarization Dynamics Reveal Novel Mechanism of Injury Expansion After Focal Cerebral Ischemia. Stroke, 2012, 43, 3063-3070.	1.0	1,239
69	Focal cerebral ischemia activates neurovascular restorative dynamics in mouse brain. Frontiers in Bioscience - Elite, 2012, E4, 1926.	0.9	27
70	Peroxiredoxin-2 Protects against 6-Hydroxydopamine-Induced Dopaminergic Neurodegeneration via Attenuation of the Apoptosis Signal-Regulating Kinase (ASK1) Signaling Cascade. Journal of Neuroscience, 2011, 31, 247-261.	1.7	136