Alexander Slowik

List of Publications by Year
in descending order

29 papers	1,051 citations	394421 19 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	1615 citing authors

#	Article	IF	Citations
1	Estrogen Attenuates Local Inflammasome Expression and Activation after Spinal Cord Injury. Molecular Neurobiology, 2018, 55, 1364-1375.	4.0	98
2	Poststroke Inflammasome Expression and Regulation in the Peri-Infarct Area by Gonadal Steroids after Transient Focal Ischemia in the Rat Brain. Neuroendocrinology, 2016, 103, 460-475.	2.5	96
3	Regulation of Hypoxia-Induced Inflammatory Responses and M1-M2 Phenotype Switch of Primary Rat Microglia by Sex Steroids. Journal of Molecular Neuroscience, 2014, 52, 277-285.	2.3	80
4	Omega-3 polyunsaturated fatty acids ameliorate neuroinflammation and mitigate ischemic stroke damage through interactions with astrocytes and microglia. Journal of Neuroimmunology, 2015, 278, 200-211.	2.3	76
5	Involvement of formyl peptide receptors in receptor for advanced glycation end products (RAGE) - and amyloid beta 1-42-induced signal transduction in glial cells. Molecular Neurodegeneration, 2012, 7, 55.	10.8	74
6	Role of platelet-released growth factors in detoxification of reactive oxygen species in osteoblasts. Bone, 2014, 65, 9-17.	2.9	68
7	Platelets display potent antimicrobial activity and release human beta-defensin 2. Platelets, 2012, 23, 217-223.	2.3	53
8	Î±1-antitrypsin mitigates NLRP3-inflammasome activation in amyloid Î²1â€“42-stimulated murine astrocytes. Journal of Neuroinflammation, 2018, 15, 282.	7.2	53
9	The formyl peptide receptor like-1 and scavenger receptor MARCO are involved in glial cell activation in bacterial meningitis. Journal of Neuroinflammation, 2011, 8, 11.	7.2	42
10	Impact of steroid hormones E2 and P on the NLRP3/ASC/Casp1 axis in primary mouse astroglia and BV-2 cells after in vitro hypoxia. Journal of Steroid Biochemistry and Molecular Biology, 2018, 183, 18-26.	2.5	39
11	Hypoxia-Induced Gene Expression of Aquaporin-4, Cyclooxygenase-2 and Hypoxia-Inducible Factor 1Î± in Rat Cortical Astroglia Is Inhibited by 17Î²-Estradiol and Progesterone. Neuroendocrinology, 2014, 99, 156-167.	2.5	36
12	Impact of 17beta-estradiol and progesterone on inflammatory and apoptotic microRNA expression after ischemia in a rat model. Journal of Steroid Biochemistry and Molecular Biology, 2017, 167, 126-134.	2.5	36
13	Nrf2 deficiency increases oligodendrocyte loss, demyelination, neuroinflammation and axonal damage in an MS animal model. Metabolic Brain Disease, 2020, 35, 353-362.	2.9	33
14	Inflammasomes are neuroprotective targets for sex steroids. Journal of Steroid Biochemistry and Molecular Biology, 2015, 153, 135-143.	2.5	31
15	Microglial-specific depletion of TAK1 is neuroprotective in the acute phase after ischemic stroke. Journal of Molecular Medicine, 2020, 98, 833-847.	3.9	30
16	Gonadal Hormones E2 and P Mitigate Cerebral Ischemia-Induced Upregulation of the AIM2 and NLRC4 Inflammasomes in Rats. International Journal of Molecular Sciences, 2020, 21, 4795.	4.1	29
17	Estrogen serum concentration affects blood immune cell composition and polarization in human females under controlled ovarian stimulation. Journal of Steroid Biochemistry and Molecular Biology, 2018, 178, 340-347.	2.5	28
18	Aggregated Tau-PHF6 (VQIVYK) Potentiates NLRP3 Inflammasome Expression and Autophagy in Human Microglial Cells. Cells, 2021, 10, 1652.	4.1	26

#	Article	IF	Citations
19	EPO regulates neuroprotective Transmembrane BAX Inhibitor-1 Motif-containing (TMBIM) family members GRINA and FAIM2 after cerebral ischemia-reperfusion injury. Experimental Neurology, 2019, 320, 112978.	4.1	22
20	Erythropoietin Abrogates Post-Ischemic Activation of the NLRP3, NLRC4, and AIM2 Inflammasomes in Microglia/Macrophages in a TAK1-Dependent Manner. Translational Stroke Research, 2022, 13, 462-482.	4.2	17
21	Upregulation and phosphorylation of HspB1/Hsp25 and HspB5/Î±B-crystallin after transient middle cerebral artery occlusion in rats. Cell Stress and Chaperones, 2017, 22, 653-663.	2.9	15
22	EPO and TMBIM3/GRINA Promote the Activation of the Adaptive Arm and Counteract the Terminal Arm of the Unfolded Protein Response after Murine Transient Cerebral Ischemia. International Journal of Molecular Sciences, 2019, 20, 5421.	4.1	14
23	NLRP3 Depletion Fails to Mitigate Inflammation but Restores Diminished Phagocytosis in BV-2 Cells After In Vitro Hypoxia. Molecular Neurobiology, 2020, 57, 2588-2599.	4.0	13
24	Impact of Uniaxial Stretching on Both Gliding and Traction Areas of Tendon Explants in a Novel Bioreactor. International Journal of Molecular Sciences, 2020, 21, 2925.	4.1	9
25	Effects of Strontium-Doped Î²-Tricalcium Scaffold on Longitudinal Nuclear Factor-Kappa Beta and Vascular Endothelial Growth Factor Receptor-2 Promoter Activities during Healing in a Murine Critical-Size Bone Defect Model. International Journal of Molecular Sciences, 2020, 21, 3208.	4.1	9
26	Inflammatory Responses of Astrocytes Are Independent from Lipocalin 2. Journal of Molecular Neuroscience, 2021, 71, 933-942.	2.3	7
27	Transient Focal Cerebral Ischemia Leads to miRNA Alterations in Different Brain Regions, Blood Serum, Liver, and Spleen. International Journal of Molecular Sciences, 2022, 23, 161.	4.1	7
28	Alteration of miRNA Biogenesis Regulating Proteins in the Human Microglial Cell Line HMC-3 After Ischemic Stress. Molecular Neurobiology, 2021, 58, 1535-1549.	4.0	6
29	Erythropoietin Enhances Post-ischemic Migration and Phagocytosis and Alleviates the Activation of Inflammasomes in Human Microglial Cells. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	2