Mujun Sun

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7144844/publications.pdf

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46 papers	1,326 citations	394421 19 h-index	377865 34 g-index
47 all docs	47 docs citations	47 times ranked	1696 citing authors

#	Article	IF	Citations
1	Inflammation in epileptogenesis after traumatic brain injury. Journal of Neuroinflammation, 2017, 14, 10.	7.2	194
2	Progesterone treatment reduces neuroinflammation, oxidative stress and brain damage and improves long-term outcomes in a rat model of repeated mild traumatic brain injury. Journal of Neuroinflammation, 2015, 12, 238.	7.2	112
3	The effect of concomitant peripheral injury on traumatic brain injury pathobiology and outcome. Journal of Neuroinflammation, 2016, 13, 90.	7.2	102
4	Beyond the Brain: Peripheral Interactions after Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 770-781.	3.4	73
5	Tibial Fracture Exacerbates Traumatic Brain Injury Outcomes and Neuroinflammation in a Novel Mouse Model of Multitrauma. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1339-1347.	4.3	64
6	Treatment with an interleukin-1 receptor antagonist mitigates neuroinflammation and brain damage after polytrauma. Brain, Behavior, and Immunity, 2017, 66, 359-371.	4.1	59
7	Intracerebroventricular injection of propionic acid, an enteric metabolite implicated in autism, induces social abnormalities that do not differ between seizure-prone (FAST) and seizure-resistant (SLOW) rats. Behavioural Brain Research, 2015, 278, 542-548.	2.2	56
8	Prolonged elevation of serum neurofilament light after concussion in male Australian football players. Biomarker Research, 2021, 9, 4.	6.8	44
9	Targeting high-mobility group box protein 1 (HMGB1) in pediatric traumatic brain injury: Chronic neuroinflammatory, behavioral, and epileptogenic consequences. Experimental Neurology, 2019, 320, 112979.	4.1	38
10	Closed head experimental traumatic brain injury increases size and bone volume of callus in mice with concomitant tibial fracture. Scientific Reports, 2016, 6, 34491.	3.3	37
11	Ageâ€dependent release of highâ€mobility group box proteinâ€1 and cellular neuroinflammation after traumatic brain injury in mice. Journal of Comparative Neurology, 2019, 527, 1102-1117.	1.6	37
12	Repeated mild traumatic brain injuries induce persistent changes in plasma protein and magnetic resonance imaging biomarkers in the rat. Scientific Reports, 2019, 9, 14626.	3.3	35
13	Aged rats have an altered immune response and worse outcomes after traumatic brain injury. Brain, Behavior, and Immunity, 2019, 80, 536-550.	4.1	35
14	The influence of immunological stressors on traumatic brain injury. Brain, Behavior, and Immunity, 2018, 69, 618-628.	4.1	34
15	The need to incorporate aged animals into the preclinical modeling of neurological conditions. Neuroscience and Biobehavioral Reviews, 2020, 109, 114-128.	6.1	33
16	Oculomotor Cognitive Control Abnormalities in Australian Rules Football Players with a History of Concussion. Journal of Neurotrauma, 2018, 35, 730-738.	3.4	29
17	Behavioral, axonal, and proteomic alterations following repeated mild traumatic brain injury: Novel insights using a clinically relevant rat model. Neurobiology of Disease, 2021, 148, 105151.	4.4	27
18	Experimental Traumatic Brain Injury Induces Bone Loss in Rats. Journal of Neurotrauma, 2016, 33, 2154-2160.	3.4	26

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19	Transactive Response DNA-Binding Protein 43 Abnormalities after Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 87-99.	3.4	26
20	Serum Protein Biomarker Findings Reflective of Oxidative Stress and Vascular Abnormalities in Male, but Not Female, Collision Sport Athletes. Frontiers in Neurology, 2020, 11, 549624.	2.4	20
21	Diffusion Imaging Reveals Sex Differences in the White Matter Following Sports-Related Concussion. Cerebral Cortex, 2021, 31, 4411-4419.	2.9	20
22	Mild Traumatic Brain Injury in Adolescent Mice Alters Skull Bone Properties to Influence a Subsequent Brain Impact at Adulthood: A Pilot Study. Frontiers in Neurology, 2018, 9, 372.	2.4	18
23	Temporal profile and utility of serum neurofilament light in a rat model of mild traumatic brain injury. Experimental Neurology, 2021, 341, 113698.	4.1	17
24	A novel rat model of heterotopic ossification after polytrauma with traumatic brain injury. Bone, 2020, 133, 115263.	2.9	16
25	Targeting the Cerebrovascular System: Next-Generation Biomarkers and Treatment for Mild Traumatic Brain Injury. Neuroscientist, 2022, 28, 594-612.	3.5	15
26	Gambogic amide, a selective TrkA agonist, does not improve outcomes from traumatic brain injury in mice. Brain Injury, 2018, 32, 257-268.	1.2	14
27	The genetic ablation of tau improves long-term, but not short-term, functional outcomes after experimental traumatic brain injury in mice. Brain Injury, 2020, 34, 131-139.	1.2	14
28	Shortened telomeres and serum protein biomarker abnormalities in collision sport athletes regardless of concussion history and sex. Journal of Concussion, 2020, 4, 205970022097560.	0.6	13
29	The interaction of the circadian and immune system: Desynchrony as a pathological outcome to traumatic brain injury. Neurobiology of Sleep and Circadian Rhythms, 2020, 9, 100058.	2.8	13
30	Elevated Serum Interleukin-1Î² Levels in Male, but not Female, Collision Sport Athletes with a Concussion History. Journal of Neurotrauma, 2021, 38, 1350-1357.	3.4	13
31	Inhibitory neuronal changes following a mixed diffuseâ€focal model of traumatic brain injury. Journal of Comparative Neurology, 2020, 528, 175-198.	1.6	12
32	A systemic immune challenge to model hospital-acquired infections independently regulates immune responses after pediatric traumatic brain injury. Journal of Neuroinflammation, 2021, 18, 72.	7.2	10
33	Serum Neurofilament Light as a Biomarker of Traumatic Brain Injury in the Presence of Concomitant Peripheral Injury. Biomarker Insights, 2021, 16, 117727192110534.	2.5	10
34	A Concomitant Muscle Injury Does Not Worsen Traumatic Brain Injury Outcomes in Mice. Frontiers in Neurology, 2018, 9, 1089.	2.4	9
35	Decrease in Plasma miR-27a and miR-221 After Concussion in Australian Football Players. Biomarker Insights, 2022, 17, 117727192210813.	2.5	9
36	Pain in the Developing Brain: Early Life Factors Alter Nociception and Neurobiological Function in Adolescent Rats. Cerebral Cortex Communications, 2021, 2, tgab014.	1.6	8

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37	White and Gray Matter Abnormalities in Australian Footballers With a History of Sports-Related Concussion: An MRI Study. Cerebral Cortex, 2021, 31, 5331-5338.	2.9	7
38	Contrast enhanced magnetic resonance imaging highlights neurovasculature changes following experimental traumatic brain injury in the rat. Scientific Reports, 2020, 10, 21252.	3.3	5
39	Activation of the Protein Kinase Râ€“Like Endoplasmic Reticulum Kinase (PERK) Pathway of the Unfolded Protein Response after Experimental Traumatic Brain Injury and Treatment with a PERK Inhibitor. Neurotrauma Reports, 2021, 2, 330-342.	1.4	5
40	Bone Health in Rats With Temporal Lobe Epilepsy in the Absence of Anti-Epileptic Drugs. Frontiers in Pharmacology, 2019, 10, 1278.	3.5	4
41	Catastrophic consequences: can the feline parasite Toxoplasma gondii prompt the purrfect neuroinflammatory storm following traumatic brain injury?. Journal of Neuroinflammation, 2020, 17, 222.	7.2	4
42	Serum Protein Biomarkers of Inflammation, Oxidative Stress, and Cerebrovascular and Glial Injury in Concussed Australian Football Players. Journal of Neurotrauma, 2022, 39, 800-808.	3.4	4
43	Experimental traumatic brain injury does not lead to lung infection. Journal of Neuroimmunology, 2020, 343, 577239.	2.3	3
44	Gut microbiome depletion and repetitive mild traumatic brain injury differentially modify bone development in male and female adolescent rats. Bone Reports, 2021, 15, 101123.	0.4	2
45	Cover Image, Volume 527, Issue 5. Journal of Comparative Neurology, 2019, 527, C1.	1.6	0
46	Aging, the immune response, and traumatic brain injury. , 2022, , 149-159.		0