

Wai Hang Cheng

List of Publications by Year in descending order

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623734

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#	ARTICLE	IF	CITATIONS
1	Merging pathology with biomechanics using CHIMERA (Closed-Head Impact Model of Engineered) Tj ETQq1 1 0.784314 rgBT /Overlook Neurodegeneration, 2014, 9, 55.	10.8	148
2	Towards clinical management of traumatic brain injury: a review of models and mechanisms from a biomechanical perspective. DMM Disease Models and Mechanisms, 2013, 6, 1325-38.	2.4	84
3	Reconstituted high-density lipoproteins acutely reduce soluble brain A β levels in symptomatic APP/PS1 mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1027-1036.	3.8	62
4	Defining the biomechanical and biological threshold of murine mild traumatic brain injury using CHIMERA (Closed Head Impact Model of Engineered Rotational Acceleration). Experimental Neurology, 2017, 292, 80-91.	4.1	61
5	CHIMERA repetitive mild traumatic brain injury induces chronic behavioural and neuropathological phenotypes in wild-type and APP/PS1 mice. Alzheimer's Research and Therapy, 2019, 11, 6.	6.2	50
6	Age at injury and genotype modify acute inflammatory and neurofilament-light responses to mild CHIMERA traumatic brain injury in wild-type and APP/PS1 mice. Experimental Neurology, 2018, 301, 26-38.	4.1	37
7	High-density lipoproteins suppress A β -induced PBMC adhesion to human endothelial cells in bioengineered vessels and in monoculture. Molecular Neurodegeneration, 2017, 12, 60.	10.8	35
8	FE65 interacts with ADP-ribosylation factor 6 to promote neurite outgrowth. FASEB Journal, 2014, 28, 337-349.	0.5	34
9	Effect of graft tensioning on mechanical restoration in a rat model of anterior cruciate ligament reconstruction using free tendon graft. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 1226-1233.	4.2	33
10	Defining an Analytic Framework to Evaluate Quantitative MRI Markers of Traumatic Axonal Injury: Preliminary Results in a Mouse Closed Head Injury Model. ENeuro, 2017, 4, ENEURO.0164-17.2017.	1.9	32
11	Chronic Exposure to Androgenic-Anabolic Steroids Exacerbates Axonal Injury and Microgliosis in the CHIMERA Mouse Model of Repetitive Concussion. PLoS ONE, 2016, 11, e0146540.	2.5	31
12	Increased severity of the CHIMERA model induces acute vascular injury, sub-acute deficits in memory recall, and chronic white matter gliosis. Experimental Neurology, 2020, 324, 113116.	4.1	30
13	Repetitive closed-head impact model of engineered rotational acceleration (CHIMERA) injury in rats increases impulsivity, decreases dopaminergic innervation in the olfactory tubercle and generates white matter inflammation, tau phosphorylation and degeneration. Experimental Neurology, 2019, 317, 87-99.	4.1	19
14	An End-to-end System for Automatic Characterization of Iba1 Immunopositive Microglia in Whole Slide Imaging. Neuroinformatics, 2019, 17, 373-389.	2.8	19
15	Development of vitamin C irrigation saline to promote graft healing in anterior cruciate ligament reconstruction. Journal of Orthopaedic Translation, 2013, 1, 67-77.	3.9	15
16	Development of a novel, sensitive translational immunoassay to detect plasma glial fibrillary acidic protein (GFAP) after murine traumatic brain injury. Alzheimer's Research and Therapy, 2021, 13, 58.	6.2	9
17	High-density lipoproteins at the interface between central nervous system and plasma lipoprotein metabolism. Clinical Lipidology, 2015, 10, 69-81.	0.4	2