Tsang-Wei Tu

List of Publications by Year
in descending order

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Version: 2024-02-01

19 papers	787 citations	687363 13 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	1555 citing authors

#	Article	IF	Citations
1	Comparison of in vivo and in situ detection of hippocampal metabolites in mouse brain using ¹Hâ€MRS. NMR in Biomedicine, 2021, 34, e4451.	2.8	9
2	A Baboon Brain Atlas for Magnetic Resonance Imaging and Positron Emission Tomography Image Analysis. Frontiers in Neuroanatomy, 2021, 15, 778769.	1.7	3
3	MRâ€guided pulsed focused ultrasound improves mesenchymal stromal cell homing to the myocardium. Journal of Cellular and Molecular Medicine, 2020, 24, 13278-13288.	3.6	7
4	In vivo imaging of sterile microglial activation in rat brain after disrupting the blood-brain barrier with pulsed focused ultrasound: [18F]DPA-714 PET study. Journal of Neuroinflammation, 2019, 16, 155.	7.2	40
5	Focused ultrasound activates voltage-gated calcium channels through depolarizing TRPC1 sodium currents in kidney and skeletal muscle. Theranostics, 2019, 9, 5517-5531.	10.0	51
6	On the detection of cerebral metabolic depression in experimental traumatic brain injury using Chemical Exchange Saturation Transfer (CEST)-weighted MRI. Scientific Reports, 2018, 8, 669.	3.3	13
7	MRI and histological evaluation of pulsed focused ultrasound and microbubbles treatment effects in the brain. Theranostics, 2018, 8, 4837-4855.	10.0	53
8	Abnormal Injury Response in Spontaneous Mild Ventriculomegaly Wistar Rat Brains: A Pathological Correlation Study of Diffusion Tensor and Magnetization Transfer Imaging in Mild Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 248-256.	3.4	22
9	Molecular and histological effects of MR-guided pulsed focused ultrasound to the rat heart. Journal of Translational Medicine, 2017, 15, 252.	4.4	14
10	18F-NaF PET/CT in Extensive Melorheostosis of the Axial and Appendicular Skeleton With Soft-Tissue Involvement. Clinical Nuclear Medicine, 2017, 42, 537-539.	1.3	11
11	Radiologicalâ€“pathological correlation of diffusion tensor and magnetization transfer imaging in a closed head traumatic brain injury model. Annals of Neurology, 2016, 79, 907-920.	5.3	79
12	Imaging of Spontaneous Ventriculomegaly and Vascular Malformations in Wistar Rats: Implications for Preclinical Research. Journal of Neuropathology and Experimental Neurology, 2014, 73, 1152-1165.	1.7	21
13	Phase-aligned multiple spin-echo averaging: a simple way to improve signal-to-noise ratio of in vivo mouse spinal cord diffusion tensor image. Magnetic Resonance Imaging, 2014, 32, 1335-1343.	1.8	10
14	Simultaneous and noninvasive imaging of cerebral oxygen metabolic rate, blood flow and oxygen extraction fraction in stroke mice. NeuroImage, 2013, 64, 437-447.	4.2	54
15	Diffusion tensor imaging detects treatment effects of FTY720 in experimental autoimmune encephalomyelitis mice. NMR in Biomedicine, 2013, 26, 1742-1750.	2.8	22
16	The impact of myelination on axon sparing and locomotor function recovery in spinal cord injury assessed using diffusion tensor imaging. NMR in Biomedicine, 2013, 26, 1484-1495.	2.8	18
17	Quantification of increased cellularity during inflammatory demyelination. Brain, 2011, 134, 3590-3601.	7.6	317
18	Full Tensor Diffusion Imaging Is Not Required To Assess the White-Matter Integrity in Mouse Contusion Spinal Cord Injury. Journal of Neurotrauma, 2010, 27, 253-262.	3.4	26

#	Article	IF	Citations
19	Impact speed does not determine severity of spinal cord injury in mice with fixed impact displacement. Journal of Neurotrauma, 2009, 26, 110306202455053.	3.4	17