

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	Quantification of increased cellularity during inflammatory demyelination. <i>Brain</i> , 2011, 134, 3590-3601.	7.6	317
2	Radiologicalâ€“pathological correlation of diffusion tensor and magnetization transfer imaging in a closed head traumatic brain injury model. <i>Annals of Neurology</i> , 2016, 79, 907-920.	5.3	79
3	Simultaneous and noninvasive imaging of cerebral oxygen metabolic rate, blood flow and oxygen extraction fraction in stroke mice. <i>NeuroImage</i> , 2013, 64, 437-447.	4.2	54
4	MRI and histological evaluation of pulsed focused ultrasound and microbubbles treatment effects in the brain. <i>Theranostics</i> , 2018, 8, 4837-4855.	10.0	53
5	Focused ultrasound activates voltage-gated calcium channels through depolarizing TRPC1 sodium currents in kidney and skeletal muscle. <i>Theranostics</i> , 2019, 9, 5517-5531.	10.0	51
6	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. <i>Journal of Neuroinflammation</i> , 2019, 16, 155.	7.2	40
7	Full Tensor Diffusion Imaging Is Not Required To Assess the White-Matter Integrity in Mouse Contusion Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2010, 27, 253-262.	3.4	26
8	Diffusion tensor imaging detects treatment effects of FTY720 in experimental autoimmune encephalomyelitis mice. <i>NMR in Biomedicine</i> , 2013, 26, 1742-1750.	2.8	22
9	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. <i>Journal of Neurotrauma</i> , 2017, 34, 248-256.	3.4	22
10	Imaging of Spontaneous Ventriculomegaly and Vascular Malformations in Wistar Rats: Implications for Preclinical Research. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 1152-1165.	1.7	21
11	The impact of myelination on axon sparing and locomotor function recovery in spinal cord injury assessed using diffusion tensor imaging. <i>NMR in Biomedicine</i> , 2013, 26, 1484-1495.	2.8	18
12	Impact speed does not determine severity of spinal cord injury in mice with fixed impact displacement. <i>Journal of Neurotrauma</i> , 2009, 26, 110306202455053.	3.4	17
13	Molecular and histological effects of MR-guided pulsed focused ultrasound to the rat heart. <i>Journal of Translational Medicine</i> , 2017, 15, 252.	4.4	14
14	On the detection of cerebral metabolic depression in experimental traumatic brain injury using Chemical Exchange Saturation Transfer (CEST)-weighted MRI. <i>Scientific Reports</i> , 2018, 8, 669.	3.3	13
15	¹⁸ F-NaF PET/CT in Extensive Melorheostosis of the Axial and Appendicular Skeleton With Soft-Tissue Involvement. <i>Clinical Nuclear Medicine</i> , 2017, 42, 537-539.	1.3	11
16	Phase-aligned multiple spin-echo averaging: a simple way to improve signal-to-noise ratio of in vivo mouse spinal cord diffusion tensor image. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1335-1343.	1.8	10
17	Comparison of in vivo and in situ detection of hippocampal metabolites in mouse brain using ¹ Hâ€“MRS. <i>NMR in Biomedicine</i> , 2021, 34, e4451.	2.8	9
18	MRâ€“guided pulsed focused ultrasound improves mesenchymal stromal cell homing to the myocardium. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 13278-13288.	3.6	7

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19	A Baboon Brain Atlas for Magnetic Resonance Imaging and Positron Emission Tomography Image Analysis. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 778769.	1.7	3