

Hui Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,617
citations

516710

16
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

2223
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of a novel supraspinal-spinal connectome that relearns the same motor task after complete paralysis. <i>Journal of Neurophysiology</i> , 2021, 126, 957-966.	1.8	3
2	Serotonergic Facilitation of Forelimb Functional Recovery in Rats with Cervical Spinal Cord Injury. <i>Neurotherapeutics</i> , 2021, 18, 1226-1243.	4.4	4
3	An epidural stimulating interface unveils the intrinsic modulation of electrically motor evoked potentials in behaving rats. <i>Journal of Neurophysiology</i> , 2021, 126, 1635-1641.	1.8	3
4	Restoration of arm and hand functions via noninvasive cervical cord neuromodulation after traumatic brain injury: a case study. <i>Brain Injury</i> , 2020, 34, 1771-1780.	1.2	7
5	Redundancy and multifunctionality among spinal locomotor networks. <i>Journal of Neurophysiology</i> , 2020, 124, 1469-1479.	1.8	13
6	Ultrasound-driven piezoelectric current activates spinal cord neurocircuits and restores locomotion in rats with spinal cord injury. <i>Bioelectronic Medicine</i> , 2020, 6, 13.	2.3	12
7	Epidural Spinal Cord Stimulation Improves Motor Function in Rats With Chemically Induced Parkinsonism. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 1029-1039.	2.9	8
8	Rostral lumbar segments are the key controllers of hindlimb locomotor rhythmicity in the adult spinal rat. <i>Journal of Neurophysiology</i> , 2019, 122, 585-600.	1.8	13
9	Novel Activity Detection Algorithm to Characterize Spontaneous Stepping During Multimodal Spinal Neuromodulation After Mid-Thoracic Spinal Cord Injury in Rats. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 82.	2.5	2
10	Non-Invasive Activation of Cervical Spinal Networks after Severe Paralysis. <i>Journal of Neurotrauma</i> , 2018, 35, 2145-2158.	3.4	138
11	Non-invasive Neuromodulation of Spinal Cord Restores Lower Urinary Tract Function After Paralysis. <i>Frontiers in Neuroscience</i> , 2018, 12, 432.	2.8	58
12	Biodegradable scaffolds promote tissue remodeling and functional improvement in non-human primates with acute spinal cord injury. <i>Biomaterials</i> , 2017, 123, 63-76.	11.4	75
13	Electrical neuromodulation of the cervical spinal cord facilitates forelimb skilled function recovery in spinal cord injured rats. <i>Experimental Neurology</i> , 2017, 291, 141-150.	4.1	63
14	PPAR γ preserves a high resistance to fatigue in the mouse medial gastrocnemius after spinal cord transection. <i>Muscle and Nerve</i> , 2016, 53, 287-296.	2.2	6
15	Neuromodulation of the neural circuits controlling the lower urinary tract. <i>Experimental Neurology</i> , 2016, 285, 182-189.	4.1	34
16	Unique Spatiotemporal Neuromodulation of the Lumbosacral Circuitry Shapes Locomotor Success after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 1709-1723.	3.4	40
17	Spinal neuronal activation during locomotor-like activity enabled by epidural stimulation and 5-hydroxytryptamine agonists in spinal rats. <i>Journal of Neuroscience Research</i> , 2015, 93, 1229-1239.	2.9	16
18	Electrophysiological biomarkers of neuromodulatory strategies to recover motor function after spinal cord injury. <i>Journal of Neurophysiology</i> , 2015, 113, 3386-3396.	1.8	22

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19	Electrophysiological mapping of rat sensorimotor lumbosacral spinal networks after complete paralysis. Progress in Brain Research, 2015, 218, 199-212.	1.4	4
20	Evaluation of optimal electrode configurations for epidural spinal cord stimulation in cervical spinal cord injured rats. Journal of Neuroscience Methods, 2015, 247, 50-57.	2.5	35
21	Pronounced species divergence in corticospinal tract reorganization and functional recovery after lateralized spinal cord injury favors primates. Science Translational Medicine, 2015, 7, 302ra134.	12.4	148
22	Development of a multi-electrode array for spinal cord epidural stimulation to facilitate stepping and standing after a complete spinal cord injury in adult rats. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 2.	4.6	94
23	Sub-threshold spinal cord stimulation facilitates spontaneous motor activity in spinal rats. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 108.	4.6	60
24	Enhanced spontaneous cage activity induced by continuous low intensity spinal cord epidural stimulation in complete spinal cord transected adult rats. FASEB Journal, 2013, 27, 1132-29.	0.5	0
25	Transformation of nonfunctional spinal circuits into functional states after the loss of brain input. Nature Neuroscience, 2009, 12, 1333-1342.	14.8	620
26	Recovery of supraspinal control of stepping via indirect propriospinal relay connections after spinal cord injury. Nature Medicine, 2008, 14, 69-74.	30.7	690
27	Step Training Reinforces Specific Spinal Locomotor Circuitry in Adult Spinal Rats. Journal of Neuroscience, 2008, 28, 7370-7375.	3.6	157
28	Epidural Stimulation Induced Modulation of Spinal Locomotor Networks in Adult Spinal Rats. Journal of Neuroscience, 2008, 28, 6022-6029.	3.6	147
29	Facilitation of Stepping with Epidural Stimulation in Spinal Rats: Role of Sensory Input. Journal of Neuroscience, 2008, 28, 7774-7780.	3.6	144