

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	Recovery of supraspinal control of stepping via indirect propriospinal relay connections after spinal cord injury. <i>Nature Medicine</i> , 2008, 14, 69-74.	30.7	690
2	Transformation of nonfunctional spinal circuits into functional states after the loss of brain input. <i>Nature Neuroscience</i> , 2009, 12, 1333-1342.	14.8	620
3	Step Training Reinforces Specific Spinal Locomotor Circuitry in Adult Spinal Rats. <i>Journal of Neuroscience</i> , 2008, 28, 7370-7375.	3.6	157
4	Pronounced species divergence in corticospinal tract reorganization and functional recovery after lateralized spinal cord injury favors primates. <i>Science Translational Medicine</i> , 2015, 7, 302ra134.	12.4	148
5	Epidural Stimulation Induced Modulation of Spinal Locomotor Networks in Adult Spinal Rats. <i>Journal of Neuroscience</i> , 2008, 28, 6022-6029.	3.6	147
6	Facilitation of Stepping with Epidural Stimulation in Spinal Rats: Role of Sensory Input. <i>Journal of Neuroscience</i> , 2008, 28, 7774-7780.	3.6	144
7	Non-Invasive Activation of Cervical Spinal Networks after Severe Paralysis. <i>Journal of Neurotrauma</i> , 2018, 35, 2145-2158.	3.4	138
8	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. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2013, 10, 2.	4.6	94
9	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
10	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
11	Sub-threshold spinal cord stimulation facilitates spontaneous motor activity in spinal rats. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2013, 10, 108.	4.6	60
12	Non-invasive Neuromodulation of Spinal Cord Restores Lower Urinary Tract Function After Paralysis. <i>Frontiers in Neuroscience</i> , 2018, 12, 432.	2.8	58
13	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
14	Evaluation of optimal electrode configurations for epidural spinal cord stimulation in cervical spinal cord injured rats. <i>Journal of Neuroscience Methods</i> , 2015, 247, 50-57.	2.5	35
15	Neuromodulation of the neural circuits controlling the lower urinary tract. <i>Experimental Neurology</i> , 2016, 285, 182-189.	4.1	34
16	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
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	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

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19	Redundancy and multifunctionality among spinal locomotor networks. <i>Journal of Neurophysiology</i> , 2020, 124, 1469-1479.	1.8	13
20	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
21	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
22	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
23	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
24	Electrophysiological mapping of rat sensorimotor lumbosacral spinal networks after complete paralysis. <i>Progress in Brain Research</i> , 2015, 218, 199-212.	1.4	4
25	Serotonergic Facilitation of Forelimb Functional Recovery in Rats with Cervical Spinal Cord Injury. <i>Neurotherapeutics</i> , 2021, 18, 1226-1243.	4.4	4
26	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
27	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
28	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
29	Enhanced spontaneous cage activity induced by continuous low intensity spinal cord epidural stimulation in complete spinal cord transected adult rats. <i>FASEB Journal</i> , 2013, 27, 1132.29.	0.5	0