Ying Zhang

List of Publications by Year
in descending order

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24 papers	2,009 citations	430874 18 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1892 citing authors

#	Article	IF	Citations
1	The role of V3 neurons in speed-dependent interlimb coordination during locomotion in mice. ELife, 2022, 11, .	6.0	18
2	Organized cannabinoid receptor distribution in neurons revealed by super-resolution fluorescence imaging. Nature Communications, 2020, 11, 5699.	12.8	18
3	A dynamic role for dopamine receptors in the control of mammalian spinal networks. Scientific Reports, 2020, 10, 16429.	3.3	12
4	The Temporal Neurogenesis Patterning of Spinal p3â€“V3 Interneurons into Divergent Subpopulation Assemblies. Journal of Neuroscience, 2020, 40, 1440-1452.	3.6	27
5	Critical role of spectrin in hearing development and deafness. Science Advances, 2019, 5, eaav7803.	10.3	113
6	The functional diversity of spinal interneurons and locomotor control. Current Opinion in Physiology, 2019, 8, 99-108.	1.8	18
7	Spinal V3 Interneurons and Leftâ€“Right Coordination in Mammalian Locomotion. Frontiers in Cellular Neuroscience, 2019, 13, 516.	3.7	47
8	Locomotor-related V3 interneurons initiate and coordinate muscles spasms after spinal cord injury. Journal of Neurophysiology, 2019, 121, 1352-1367.	1.8	41
9	Loss of Dcc in the spinal cord is sufficient to cause a deficit in lateralized motor control and the switch to a hopping gait. Developmental Dynamics, 2018, 247, 620-629.	1.8	9
10	Sub-populations of Spinal V3 Interneurons Form Focal Modules of Layered Pre-motor Microcircuits. Cell Reports, 2018, 25, 146-156.e3.	6.4	72
11	Delineating the Diversity of Spinal Interneurons in Locomotor Circuits. Journal of Neuroscience, 2017, 37, 10835-10841.	3.6	92
12	<scp>S</scp>im1 is required for the migration and axonal projections of V3 interneurons in the developing mouse spinal cord. Developmental Neurobiology, 2015, 75, 1003-1017.	3.0	43
13	Motoneurons Derived from Induced Pluripotent Stem Cells Develop Mature Phenotypes Typical of Endogenous Spinal Motoneurons. Journal of Neuroscience, 2015, 35, 1291-1306.	3.6	44
14	V3 interneuron subpopulations in the mouse spinal cord undergo distinctive postnatal maturation processes. Neuroscience, 2015, 295, 221-228.	2.3	34
15	Direct optical activation of skeletal muscle fibres efficiently controls muscle contraction and attenuates denervation atrophy. Nature Communications, 2015, 6, 8506.	12.8	47
16	A Stem-Cell Based Bioassay to Critically Assess the Pathology of Dysfunctional Neuromuscular Junctions. PLoS ONE, 2014, 9, e91643.	2.5	29
17	V1 and V2b Interneurons Secure the Alternating Flexor-Extensor Motor Activity Mice Require for Limbed Locomotion. Neuron, 2014, 82, 138-150.	8.1	172
18	Examination of Daytime Sleepiness and Cognitive Performance Testing in Patients with Primary Insomnia. PLoS ONE, 2014, 9, e100965.	2.5	35

#	Article	IF	Citations
19	Functional Subpopulations of V3 Interneurons in the Mature Mouse Spinal Cord. Journal of Neuroscience, 2013, 33, 18553-18565.	3.6	102
20	V3 Spinal Neurons Establish a Robust and Balanced Locomotor Rhythm during Walking. Neuron, 2008, 60, 84-96.	8.1	293
21	V1 spinal neurons regulate the speed of vertebrate locomotor outputs. Nature, 2006, 440, 215-219.	27.8	348
22	Activity-Independent Coregulation of IA and Ih in Rhythmically Active Neurons. Journal of Neurophysiology, 2005, 94, 3601-3617.	1.8	127
23	Activity-Independent Homeostasis in Rhythmically Active Neurons. Neuron, 2003, 37, 109-120.	8.1	255
24	KChIP1 and Frequenin Modify shal-Evoked Potassium Currents in Pyloric Neurons in the Lobster Stomatogastric Ganglion. Journal of Neurophysiology, 2003, 89, 1902-1909.	1.8	13