

# Ying Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

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	V1 spinal neurons regulate the speed of vertebrate locomotor outputs. <i>Nature</i> , 2006, 440, 215-219.	27.8	348
2	V3 Spinal Neurons Establish a Robust and Balanced Locomotor Rhythm during Walking. <i>Neuron</i> , 2008, 60, 84-96.	8.1	293
3	Activity-Independent Homeostasis in Rhythmically Active Neurons. <i>Neuron</i> , 2003, 37, 109-120.	8.1	255
4	V1 and V2b Interneurons Secure the Alternating Flexor-Extensor Motor Activity Mice Require for Limbed Locomotion. <i>Neuron</i> , 2014, 82, 138-150.	8.1	172
5	Activity-Independent Coregulation of IA and Ih in Rhythmically Active Neurons. <i>Journal of Neurophysiology</i> , 2005, 94, 3601-3617.	1.8	127
6	Critical role of spectrin in hearing development and deafness. <i>Science Advances</i> , 2019, 5, eaav7803.	10.3	113
7	Functional Subpopulations of V3 Interneurons in the Mature Mouse Spinal Cord. <i>Journal of Neuroscience</i> , 2013, 33, 18553-18565.	3.6	102
8	Delineating the Diversity of Spinal Interneurons in Locomotor Circuits. <i>Journal of Neuroscience</i> , 2017, 37, 10835-10841.	3.6	92
9	Sub-populations of Spinal V3 Interneurons Form Focal Modules of Layered Pre-motor Microcircuits. <i>Cell Reports</i> , 2018, 25, 146-156.e3.	6.4	72
10	Direct optical activation of skeletal muscle fibres efficiently controls muscle contraction and attenuates denervation atrophy. <i>Nature Communications</i> , 2015, 6, 8506.	12.8	47
11	Spinal V3 Interneurons and Left-Right Coordination in Mammalian Locomotion. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 516.	3.7	47
12	Motoneurons Derived from Induced Pluripotent Stem Cells Develop Mature Phenotypes Typical of Endogenous Spinal Motoneurons. <i>Journal of Neuroscience</i> , 2015, 35, 1291-1306.	3.6	44
13	<i>Scp1</i> is required for the migration and axonal projections of V3 interneurons in the developing mouse spinal cord. <i>Developmental Neurobiology</i> , 2015, 75, 1003-1017.	3.0	43
14	Locomotor-related V3 interneurons initiate and coordinate muscles spasms after spinal cord injury. <i>Journal of Neurophysiology</i> , 2019, 121, 1352-1367.	1.8	41
15	Examination of Daytime Sleepiness and Cognitive Performance Testing in Patients with Primary Insomnia. <i>PLoS ONE</i> , 2014, 9, e100965.	2.5	35
16	V3 interneuron subpopulations in the mouse spinal cord undergo distinctive postnatal maturation processes. <i>Neuroscience</i> , 2015, 295, 221-228.	2.3	34
17	A Stem-Cell Based Bioassay to Critically Assess the Pathology of Dysfunctional Neuromuscular Junctions. <i>PLoS ONE</i> , 2014, 9, e91643.	2.5	29
18	The Temporal Neurogenesis Patterning of Spinal V3 Interneurons into Divergent Subpopulation Assemblies. <i>Journal of Neuroscience</i> , 2020, 40, 1440-1452.	3.6	27

#	ARTICLE	IF	CITATIONS
19	The functional diversity of spinal interneurons and locomotor control. <i>Current Opinion in Physiology</i> , 2019, 8, 99-108.	1.8	18
20	Organized cannabinoid receptor distribution in neurons revealed by super-resolution fluorescence imaging. <i>Nature Communications</i> , 2020, 11, 5699.	12.8	18
21	The role of V3 neurons in speed-dependent interlimb coordination during locomotion in mice. <i>ELife</i> , 2022, 11, .	6.0	18
22	KChIP1 and Frequenin Modify shal-Evoked Potassium Currents in Pyloric Neurons in the Lobster Stomatogastric Ganglion. <i>Journal of Neurophysiology</i> , 2003, 89, 1902-1909.	1.8	13
23	A dynamic role for dopamine receptors in the control of mammalian spinal networks. <i>Scientific Reports</i> , 2020, 10, 16429.	3.3	12
24	Loss of Dcc in the spinal cord is sufficient to cause a deficit in lateralized motor control and the switch to a hopping gait. <i>Developmental Dynamics</i> , 2018, 247, 620-629.	1.8	9