Irina N Beloozerova

List of Publications by Year
in descending order

29	980	516710 16	477307 29
papers	citations	h-index	g-index

29	29	29	859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Signals from posterior parietal area 5 to motor cortex during locomotion. Cerebral Cortex, 2023, 33, 1014-1043.	2.9	1
2	Neuronal activity reorganization in motor cortex for successful locomotion after a lesion in the ventrolateral thalamus. Journal of Neurophysiology, 2022, 127, 56-85.	1.8	4
3	When cats need to see to step accurately?. Journal of Physiology, 2021, , .	2.9	4
4	Contribution of the ventrolateral thalamus to the locomotion-related activity of motor cortex. Journal of Neurophysiology, 2020, 124, 1480-1504.	1.8	10
5	Gaze coordination with strides during walking in the cat. Journal of Physiology, 2019, 597, 5195-5229.	2.9	12
6	The role of intersegmental dynamics in coordination of the forelimb joints during unperturbed and perturbed skilled locomotion. Journal of Neurophysiology, 2018, 120, 1547-1557.	1.8	3
7	Strategies for obstacle avoidance during walking in the cat. Journal of Neurophysiology, 2017, 118, 817-831.	1.8	7
8	Head movement during walking in the cat. Neuroscience, 2016, 332, 101-120.	2.3	11
9	Accurate stepping on a narrow path: mechanics, EMG, and motor cortex activity in the cat. Journal of Neurophysiology, 2015, 114, 2682-2702.	1.8	20
10	Known and unexpected constraints evoke different kinematic, muscle, and motor cortical neuron responses during locomotion. European Journal of Neuroscience, 2015, 42, 2666-2677.	2.6	13
11	Activity of Somatosensory-Responsive Neurons in High Subdivisions of SI Cortex during Locomotion. Journal of Neuroscience, 2015, 35, 7763-7776.	3.6	17
12	Contribution of supraspinal systems to generation of automatic postural responses. Frontiers in Integrative Neuroscience, 2014, 8, 76.	2.1	44
13	Stabilization of cat paw trajectory during locomotion. Journal of Neurophysiology, 2014, 112, 1376-1391.	1.8	21
14	Body stability and muscle and motor cortex activity during walking with wide stance. Journal of Neurophysiology, 2014, 112, 504-524.	1.8	38
15	Burst firing of neurons in the thalamic reticular nucleus during locomotion. Journal of Neurophysiology, 2014, 112, 181-192.	1.8	35
16	Effect of light on the activity of motor cortex neurons during locomotion. Behavioural Brain Research, 2013, 250, 238-250.	2.2	13
17	Differential responses of fastâ€•and slowâ€conducting pyramidal tract neurons to changes in accuracy demands during locomotion. Journal of Physiology, 2013, 591, 2647-2666.	2.9	16
18	Distinct Thalamo-Cortical Controls for Shoulder, Elbow, and Wrist during Locomotion. Frontiers in Computational Neuroscience, 2013, 7, 62.	2.1	10

#	Article	IF	Citations
19	Differential Gating of Thalamocortical Signals by Reticular Nucleus of Thalamus during Locomotion. Journal of Neuroscience, 2012, 32, 15823-15836.	3.6	29
20	Pyramidal tract neurons receptive to different forelimb joints act differently during locomotion. Journal of Neurophysiology, 2012, 107, 1890-1903.	1.8	17
21	Signals from the ventrolateral thalamus to the motor cortex during locomotion. Journal of Neurophysiology, 2012, 107, 455-472.	1.8	38
22	Differences in Movement Mechanics, Electromyographic, and Motor Cortex Activity Between Accurate and Nonaccurate Stepping. Journal of Neurophysiology, 2010, 103, 2285-2300.	1.8	60
23	Activity of Red Nucleus Neurons in the Cat during Postural Corrections. Journal of Neuroscience, 2010, 30, 14533-14542.	3.6	42
24	Quantification of Motor Cortex Activity and Full-Body Biomechanics During Unconstrained Locomotion. Journal of Neurophysiology, 2005, 94, 2959-2969.	1.8	64
25	Integration of Motor and Visual Information in the Parietal Area 5 During Locomotion. Journal of Neurophysiology, 2003, 90, 961-971.	1.8	74
26	Activity of Different Classes of Neurons of the Motor Cortex during Postural Corrections. Journal of Neuroscience, 2003, 23, 7844-7853.	3.6	87
27	Activity of Different Classes of Neurons of the Motor Cortex during Locomotion. Journal of Neuroscience, 2003, 23, 1087-1097.	3.6	112
28	Cortically Controlled Gait Adjustments in the Cat. Annals of the New York Academy of Sciences, 1998, 860, 550-553.	3.8	25
29	Sharp, Local Synchrony Among Putative Feed-Forward Inhibitory Interneurons of Rabbit Somatosensory Cortex. Journal of Neurophysiology, 1998, 79, 567-582.	1.8	153