

# Irina N Beloozerova

## List of Publications by Year in descending order

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29  
papers

980  
citations

516710

16  
h-index

477307

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharp, Local Synchrony Among Putative Feed-Forward Inhibitory Interneurons of Rabbit Somatosensory Cortex. <i>Journal of Neurophysiology</i> , 1998, 79, 567-582.	1.8	153
2	Activity of Different Classes of Neurons of the Motor Cortex during Locomotion. <i>Journal of Neuroscience</i> , 2003, 23, 1087-1097.	3.6	112
3	Activity of Different Classes of Neurons of the Motor Cortex during Postural Corrections. <i>Journal of Neuroscience</i> , 2003, 23, 7844-7853.	3.6	87
4	Integration of Motor and Visual Information in the Parietal Area 5 During Locomotion. <i>Journal of Neurophysiology</i> , 2003, 90, 961-971.	1.8	74
5	Quantification of Motor Cortex Activity and Full-Body Biomechanics During Unconstrained Locomotion. <i>Journal of Neurophysiology</i> , 2005, 94, 2959-2969.	1.8	64
6	Differences in Movement Mechanics, Electromyographic, and Motor Cortex Activity Between Accurate and Nonaccurate Stepping. <i>Journal of Neurophysiology</i> , 2010, 103, 2285-2300.	1.8	60
7	Contribution of supraspinal systems to generation of automatic postural responses. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 76.	2.1	44
8	Activity of Red Nucleus Neurons in the Cat during Postural Corrections. <i>Journal of Neuroscience</i> , 2010, 30, 14533-14542.	3.6	42
9	Signals from the ventrolateral thalamus to the motor cortex during locomotion. <i>Journal of Neurophysiology</i> , 2012, 107, 455-472.	1.8	38
10	Body stability and muscle and motor cortex activity during walking with wide stance. <i>Journal of Neurophysiology</i> , 2014, 112, 504-524.	1.8	38
11	Burst firing of neurons in the thalamic reticular nucleus during locomotion. <i>Journal of Neurophysiology</i> , 2014, 112, 181-192.	1.8	35
12	Differential Gating of Thalamocortical Signals by Reticular Nucleus of Thalamus during Locomotion. <i>Journal of Neuroscience</i> , 2012, 32, 15823-15836.	3.6	29
13	Cortically Controlled Gait Adjustments in the Cat. <i>Annals of the New York Academy of Sciences</i> , 1998, 860, 550-553.	3.8	25
14	Stabilization of cat paw trajectory during locomotion. <i>Journal of Neurophysiology</i> , 2014, 112, 1376-1391.	1.8	21
15	Accurate stepping on a narrow path: mechanics, EMG, and motor cortex activity in the cat. <i>Journal of Neurophysiology</i> , 2015, 114, 2682-2702.	1.8	20
16	Pyramidal tract neurons receptive to different forelimb joints act differently during locomotion. <i>Journal of Neurophysiology</i> , 2012, 107, 1890-1903.	1.8	17
17	Activity of Somatosensory-Responsive Neurons in High Subdivisions of SI Cortex during Locomotion. <i>Journal of Neuroscience</i> , 2015, 35, 7763-7776.	3.6	17
18	Differential responses of fast- and slow-conducting pyramidal tract neurons to changes in accuracy demands during locomotion. <i>Journal of Physiology</i> , 2013, 591, 2647-2666.	2.9	16

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19	Effect of light on the activity of motor cortex neurons during locomotion. Behavioural Brain Research, 2013, 250, 238-250.	2.2	13
20	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
21	Gaze coordination with strides during walking in the cat. Journal of Physiology, 2019, 597, 5195-5229.	2.9	12
22	Head movement during walking in the cat. Neuroscience, 2016, 332, 101-120.	2.3	11
23	Distinct Thalamo-Cortical Controls for Shoulder, Elbow, and Wrist during Locomotion. Frontiers in Computational Neuroscience, 2013, 7, 62.	2.1	10
24	Contribution of the ventrolateral thalamus to the locomotion-related activity of motor cortex. Journal of Neurophysiology, 2020, 124, 1480-1504.	1.8	10
25	Strategies for obstacle avoidance during walking in the cat. Journal of Neurophysiology, 2017, 118, 817-831.	1.8	7
26	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
27	When cats need to see to step accurately?. Journal of Physiology, 2021, , .	2.9	4
28	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
29	Signals from posterior parietal area 5 to motor cortex during locomotion. Cerebral Cortex, 2023, 33, 1014-1043.	2.9	1