

# Irina A Solopova

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

547  
citations

686830

13  
h-index

752256

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric leg loading during sit-to-stand, walking and quiet standing in patients after unilateral total hip replacement surgery. <i>Clinical Biomechanics</i> , 2008, 23, 424-433.	0.5	119
2	The direction of postural instability affects postural reactions to ankle muscle vibration in humans. <i>Neuroscience Letters</i> , 2000, 292, 103-106.	1.0	76
3	Tonic Central and Sensory Stimuli Facilitate Involuntary Air-Stepping in Humans. <i>Journal of Neurophysiology</i> , 2009, 101, 2847-2858.	0.9	71
4	Distinct locomotor precursors in newborn babies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9604-9612.	3.3	45
5	Plasticity and modular control of locomotor patterns in neurological disorders with motor deficits. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 123.	1.2	38
6	Effects of transcranial magnetic stimulation during voluntary and non-voluntary stepping movements in humans. <i>Neuroscience Letters</i> , 2014, 579, 64-69.	1.0	22
7	TMS-responses during anticipatory postural adjustment in bimanual unloading in humans. <i>Neuroscience Letters</i> , 2005, 383, 246-250.	1.0	20
8	Assisted leg displacements and progressive loading by a tilt table combined with FES promote gait recovery in acute stroke. <i>NeuroRehabilitation</i> , 2011, 29, 67-77.	0.5	20
9	Human cervical spinal cord circuitry activated by tonic input can generate rhythmic arm movements. <i>Journal of Neurophysiology</i> , 2016, 115, 1018-1030.	0.9	20
10	Maturation of the Locomotor Circuitry in Children With Cerebral Palsy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 998.	2.0	20
11	Tonic and Rhythmic Spinal Activity Underlying Locomotion. <i>Current Pharmaceutical Design</i> , 2017, 23, 1753-1763.	0.9	20
12	Lack of non-voluntary stepping responses in Parkinson's disease. <i>Neuroscience</i> , 2013, 235, 96-108.	1.1	19
13	Anticipatory postural adjustment: the role of motor cortex in the natural and learned bimanual unloading. <i>Experimental Brain Research</i> , 2008, 186, 215-223.	0.7	17
14	Tapping into rhythm generation circuitry in humans during simulated weightlessness conditions. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 14.	1.2	15
15	Vibration-Induced Postural Reaction Continues after the Contact with Additional Back Support. <i>Motor Control</i> , 2000, 4, 407-419.	0.3	7
16	Clinical, neurological, and neurophysiological evaluation of the efficiency of motor rehabilitation in children with cerebral palsy using robotic mechanotherapy and transcutaneous electrical stimulation of the spinal cord. <i>Pediatric Traumatology, Orthopaedics and Reconstructive Surgery</i> , 2016, 4, 47-55.	0.1	6
17	Rhythmic wrist movements facilitate the soleus H-reflex and non-voluntary air-stepping in humans. <i>Neuroscience Letters</i> , 2017, 638, 39-45.	1.0	5
18	Higher Responsiveness of Pattern Generation Circuitry to Sensory Stimulation in Healthy Humans Is Associated with a Larger Hoffmann Reflex. <i>Biology</i> , 2022, 11, 707.	1.3	3

#	ARTICLE	IF	CITATIONS
19	INTERHEMISPHERIC MOTOR CORTEX INFLUENCE DURING BIMANUAL UNLOADING. Journal of Integrative Neuroscience, 2009, 08, 409-416.	0.8	2
20	Plasticity and Different Solutions to Reorganize Muscle Patterns during Gait. Biosystems and Biorobotics, 2013, , 1249-1252.	0.2	2
21	Synergistic influences of sensory and central stimuli on non-voluntary rhythmic arm movements. Human Movement Science, 2019, 64, 230-239.	0.6	0