Germana Cappellini

List of Publications by Year
in descending order

37 papers	3,253 citations	236925 25 h-index	345221 36 g-index
39 all docs	39 docs citations	39 times ranked	2365 citing authors

#	Article	IF	Citations
1	Motor Patterns in Human Walking and Running. Journal of Neurophysiology, 2006, 95, 3426-3437.	1.8	633
2	Locomotor Primitives in Newborn Babies and Their Development. Science, 2011, 334, 997-999.	12.6	552
3	Coordination of Locomotion with Voluntary Movements in Humans. Journal of Neuroscience, 2005, 25, 7238-7253.	3.6	359
4	Modular Control of Limb Movements during Human Locomotion. Journal of Neuroscience, 2007, 27, 11149-11161.	3.6	206
5	Development of pendulum mechanism and kinematic coordination from the first unsupported steps in toddlers. Journal of Experimental Biology, 2004, 207, 3797-3810.	1.7	134
6	Neuromuscular adjustments of gait associated with unstable conditions. Journal of Neurophysiology, 2015, 114, 2867-2882.	1.8	112
7	Motor Patterns During Walking on a Slippery Walkway. Journal of Neurophysiology, 2010, 103, 746-760.	1.8	102
8	Spatiotemporal organization of Î±â€motoneuron activity in the human spinal cord during different gaits and gait transitions. European Journal of Neuroscience, 2008, 27, 3351-3368.	2.6	101
9	Kinematics in Newly Walking Toddlers Does Not Depend Upon Postural Stability. Journal of Neurophysiology, 2005, 94, 754-763.	1.8	97
10	Immature Spinal Locomotor Output in Children with Cerebral Palsy. Frontiers in Physiology, 2016, 7, 478.	2.8	89
11	The many roles of vision during walking. Experimental Brain Research, 2010, 206, 337-350.	1.5	79
12	Changes in the Spinal Segmental Motor Output for Stepping during Development from Infant to Adult. Journal of Neuroscience, 2013, 33, 3025-3036.	3.6	74
13	Locomotor body scheme. Human Movement Science, 2011, 30, 341-351.	1.4	55
14	Function dictates the phase dependence of vision during human locomotion. Journal of Neurophysiology, 2014, 112, 165-180.	1.8	55
15	Migration of Motor Pool Activity in the Spinal Cord Reflects Body Mechanics in Human Locomotion. Journal of Neurophysiology, 2010, 104, 3064-3073.	1.8	49
16	Kinematics in Newly Walking Toddlers Does Not Depend Upon Postural Stability. Journal of Neurophysiology, 2005, 94, 754-763.	1.8	48
17	Features of hand-foot crawling behavior in human adults. Journal of Neurophysiology, 2012, 107, 114-125.	1.8	48
18	Distinct locomotor precursors in newborn babies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9604-9612.	7.1	45

#	Article	IF	Citations
19	Locomotor-Like Leg Movements Evoked by Rhythmic Arm Movements in Humans. PLoS ONE, 2014, 9, e90775.	2.5	45
20	Kinematic Strategies in Newly Walking Toddlers Stepping Over Different Support Surfaces. Journal of Neurophysiology, 2010, 103, 1673-1684.	1.8	42
21	Gait transitions in simulated reduced gravity. Journal of Applied Physiology, 2011, 110, 781-788.	2.5	38
22	Plasticity and modular control of locomotor patterns in neurological disorders with motor deficits. Frontiers in Computational Neuroscience, 2013, 7, 123.	2.1	38
23	Changes in the Limb Kinematics and Walking-Distance Estimation After Shank Elongation: Evidence for a Locomotor Body Schema?. Journal of Neurophysiology, 2009, 101, 1419-1429.	1.8	32
24	Smooth changes in the EMG patterns during gait transitions under body weight unloading. Journal of Neurophysiology, 2011, 106, 1525-1536.	1.8	32
25	Backward walking highlights gait asymmetries in children with cerebral palsy. Journal of Neurophysiology, 2018, 119, 1153-1165.	1.8	30
26	Emergence of Different Gaits in Infancy: Relationship Between Developing Neural Circuitries and Changing Biomechanics. Frontiers in Bioengineering and Biotechnology, 2020, 8, 473.	4.1	25
27	Changes of Gait Kinematics in Different Simulators of Reduced Gravity. Journal of Motor Behavior, 2013, 45, 495-505.	0.9	21
28	Maturation of the Locomotor Circuitry in Children With Cerebral Palsy. Frontiers in Bioengineering and Biotechnology, 2020, 8, 998.	4.1	20
29	Foot Placement Characteristics and Plantar Pressure Distribution Patterns during Stepping on Ground in Neonates. Frontiers in Physiology, 2017, 8, 784.	2.8	18
30	Early manifestation of armâ€“leg coordination during stepping on a surface in human neonates. Experimental Brain Research, 2018, 236, 1105-1115.	1.5	17
31	Age-related changes in the neuromuscular control of forward and backward locomotion. PLoS ONE, 2021, 16, e0246372.	2.5	17
32	Locomotor patterns during obstacle avoidance in children with cerebral palsy. Journal of Neurophysiology, 2020, 124, 574-590.	1.8	10
33	Clinical Relevance of State-of-the-Art Analysis of Surface Electromyography in Cerebral Palsy. Frontiers in Neurology, 2020, 11, 583296.	2.4	10
34	Humans Running in Place on Water at Simulated Reduced Gravity. PLoS ONE, 2012, 7, e37300.	2.5	10
35	Neuromuscular Age-Related Adjustment of Gait When Moving Upwards and Downwards. Frontiers in Human Neuroscience, 2021, 15, 749366.	2.0	8
36	Plasticity and Different Solutions to Reorganize Muscle Patterns during Gait. Biosystems and Biorobotics, 2013, , 1249-1252.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Adjustments in the Range of Angular Motion during Walking after Amputation of the Toes: A Case Report. Symmetry, 2021, 13, 2065.	2.2	0