

Germana Cappellini

List of Publications by Year in descending order

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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	Age-related changes in the neuromuscular control of forward and backward locomotion. PLoS ONE, 2021, 16, e0246372.	2.5	17
2	Neuromuscular Age-Related Adjustment of Gait When Moving Upwards and Downwards. Frontiers in Human Neuroscience, 2021, 15, 749366.	2.0	8
3	Adjustments in the Range of Angular Motion during Walking after Amputation of the Toes: A Case Report. Symmetry, 2021, 13, 2065.	2.2	0
4	Maturation of the Locomotor Circuitry in Children With Cerebral Palsy. Frontiers in Bioengineering and Biotechnology, 2020, 8, 998.	4.1	20
5	Locomotor patterns during obstacle avoidance in children with cerebral palsy. Journal of Neurophysiology, 2020, 124, 574-590.	1.8	10
6	Clinical Relevance of State-of-the-Art Analysis of Surface Electromyography in Cerebral Palsy. Frontiers in Neurology, 2020, 11, 583296.	2.4	10
7	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
8	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
9	Early manifestation of arm-leg coordination during stepping on a surface in human neonates. Experimental Brain Research, 2018, 236, 1105-1115.	1.5	17
10	Backward walking highlights gait asymmetries in children with cerebral palsy. Journal of Neurophysiology, 2018, 119, 1153-1165.	1.8	30
11	Foot Placement Characteristics and Plantar Pressure Distribution Patterns during Stepping on Ground in Neonates. Frontiers in Physiology, 2017, 8, 784.	2.8	18
12	Immature Spinal Locomotor Output in Children with Cerebral Palsy. Frontiers in Physiology, 2016, 7, 478.	2.8	89
13	Neuromuscular adjustments of gait associated with unstable conditions. Journal of Neurophysiology, 2015, 114, 2867-2882.	1.8	112
14	Function dictates the phase dependence of vision during human locomotion. Journal of Neurophysiology, 2014, 112, 165-180.	1.8	55
15	Locomotor-Like Leg Movements Evoked by Rhythmic Arm Movements in Humans. PLoS ONE, 2014, 9, e90775.	2.5	45
16	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
17	Plasticity and Different Solutions to Reorganize Muscle Patterns during Gait. Biosystems and Biorobotics, 2013, , 1249-1252.	0.3	2
18	Plasticity and modular control of locomotor patterns in neurological disorders with motor deficits. Frontiers in Computational Neuroscience, 2013, 7, 123.	2.1	38

#	ARTICLE	IF	CITATIONS
19	Changes of Gait Kinematics in Different Simulators of Reduced Gravity. <i>Journal of Motor Behavior</i> , 2013, 45, 495-505.	0.9	21
20	Features of hand-foot crawling behavior in human adults. <i>Journal of Neurophysiology</i> , 2012, 107, 114-125.	1.8	48
21	Humans Running in Place on Water at Simulated Reduced Gravity. <i>PLoS ONE</i> , 2012, 7, e37300.	2.5	10
22	Locomotor Primitives in Newborn Babies and Their Development. <i>Science</i> , 2011, 334, 997-999.	12.6	552
23	Smooth changes in the EMG patterns during gait transitions under body weight unloading. <i>Journal of Neurophysiology</i> , 2011, 106, 1525-1536.	1.8	32
24	Gait transitions in simulated reduced gravity. <i>Journal of Applied Physiology</i> , 2011, 110, 781-788.	2.5	38
25	Locomotor body scheme. <i>Human Movement Science</i> , 2011, 30, 341-351.	1.4	55
26	Motor Patterns During Walking on a Slippery Walkway. <i>Journal of Neurophysiology</i> , 2010, 103, 746-760.	1.8	102
27	The many roles of vision during walking. <i>Experimental Brain Research</i> , 2010, 206, 337-350.	1.5	79
28	Kinematic Strategies in Newly Walking Toddlers Stepping Over Different Support Surfaces. <i>Journal of Neurophysiology</i> , 2010, 103, 1673-1684.	1.8	42
29	Migration of Motor Pool Activity in the Spinal Cord Reflects Body Mechanics in Human Locomotion. <i>Journal of Neurophysiology</i> , 2010, 104, 3064-3073.	1.8	49
30	Changes in the Limb Kinematics and Walking-Distance Estimation After Shank Elongation: Evidence for a Locomotor Body Schema?. <i>Journal of Neurophysiology</i> , 2009, 101, 1419-1429.	1.8	32
31	Spatiotemporal organization of motoneuron activity in the human spinal cord during different gaits and gait transitions. <i>European Journal of Neuroscience</i> , 2008, 27, 3351-3368.	2.6	101
32	Modular Control of Limb Movements during Human Locomotion. <i>Journal of Neuroscience</i> , 2007, 27, 11149-11161.	3.6	206
33	Motor Patterns in Human Walking and Running. <i>Journal of Neurophysiology</i> , 2006, 95, 3426-3437.	1.8	633
34	Kinematics in Newly Walking Toddlers Does Not Depend Upon Postural Stability. <i>Journal of Neurophysiology</i> , 2005, 94, 754-763.	1.8	48
35	Kinematics in Newly Walking Toddlers Does Not Depend Upon Postural Stability. <i>Journal of Neurophysiology</i> , 2005, 94, 754-763.	1.8	97
36	Coordination of Locomotion with Voluntary Movements in Humans. <i>Journal of Neuroscience</i> , 2005, 25, 7238-7253.	3.6	359

#	ARTICLE	IF	CITATIONS
37	Development of pendulum mechanism and kinematic coordination from the first unsupported steps in toddlers. <i>Journal of Experimental Biology</i> , 2004, 207, 3797-3810.	1.7	134