

# Francesca Sylos Labini

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,353  
citations

393982

19  
h-index

377514

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1592  
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-related changes in the neuromuscular control of forward and backward locomotion. PLoS ONE, 2021, 16, e0246372.	1.1	17
2	Neuromuscular Age-Related Adjustment of Gait When Moving Upwards and Downwards. Frontiers in Human Neuroscience, 2021, 15, 749366.	1.0	8
3	Pelvic movements during walking throughout gestation - the relationship between morphology and kinematic parameters. Clinical Biomechanics, 2020, 71, 146-151.	0.5	9
4	Maturation of the Locomotor Circuitry in Children With Cerebral Palsy. Frontiers in Bioengineering and Biotechnology, 2020, 8, 998.	2.0	20
5	Locomotor patterns during obstacle avoidance in children with cerebral palsy. Journal of Neurophysiology, 2020, 124, 574-590.	0.9	10
6	Spinal motoneurons of the human newborn are highly synchronized during leg movements. Science Advances, 2020, 6, .	4.7	44
7	Clinical Relevance of State-of-the-Art Analysis of Surface Electromyography in Cerebral Palsy. Frontiers in Neurology, 2020, 11, 583296.	1.1	10
8	Emergence of Different Gaits in Infancy: Relationship Between Developing Neural Circuitries and Changing Biomechanics. Frontiers in Bioengineering and Biotechnology, 2020, 8, 473.	2.0	25
9	Distinct locomotor precursors in newborn babies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9604-9612.	3.3	45
10	Development of Locomotor-Related Movements in Early Infancy. Frontiers in Cellular Neuroscience, 2020, 14, 623759.	1.8	9
11	Muscle Responses to Passive Joint Movements in Infants During the First Year of Life. Frontiers in Physiology, 2019, 10, 1158.	1.3	13
12	Non-synergistic synergies of muscle activation: an apparent oxymoron. Journal of Physiology, 2019, 597, 5743-5744.	1.3	0
13	Early manifestation of arm-leg coordination during stepping on a surface in human neonates. Experimental Brain Research, 2018, 236, 1105-1115.	0.7	17
14	Human-Human Interaction Forces and Interlimb Coordination During Side-by-Side Walking With Hand Contact. Frontiers in Physiology, 2018, 9, 179.	1.3	38
15	Backward walking highlights gait asymmetries in children with cerebral palsy. Journal of Neurophysiology, 2018, 119, 1153-1165.	0.9	30
16	Foot Placement Characteristics and Plantar Pressure Distribution Patterns during Stepping on Ground in Neonates. Frontiers in Physiology, 2017, 8, 784.	1.3	18
17	Human Locomotion in Hypogravity: From Basic Research to Clinical Applications. Frontiers in Physiology, 2017, 8, 893.	1.3	31
18	Tonic and Rhythmic Spinal Activity Underlying Locomotion. Current Pharmaceutical Design, 2017, 23, 1753-1763.	0.9	20

#	ARTICLE	IF	CITATIONS
19	Muscle Coordination and Locomotion in Humans. <i>Current Pharmaceutical Design</i> , 2017, 23, 1821-1833.	0.9	12
20	Tapping into rhythm generation circuitry in humans during simulated weightlessness conditions. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 14.	1.2	15
21	Design and Control of the MINDWALKER Exoskeleton. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 277-286.	2.7	287
22	EMG patterns during assisted walking in the exoskeleton. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 423.	1.0	106
23	Control of Leg Movements Driven by EMG Activity of Shoulder Muscles. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 838.	1.0	15
24	Human Locomotion under Reduced Gravity Conditions: Biomechanical and Neurophysiological Considerations. <i>BioMed Research International</i> , 2014, 2014, 1-12.	0.9	34
25	Function dictates the phase dependence of vision during human locomotion. <i>Journal of Neurophysiology</i> , 2014, 112, 165-180.	0.9	55
26	Locomotor-Like Leg Movements Evoked by Rhythmic Arm Movements in Humans. <i>PLoS ONE</i> , 2014, 9, e90775.	1.1	45
27	Changes of Gait Kinematics in Different Simulators of Reduced Gravity. <i>Journal of Motor Behavior</i> , 2013, 45, 495-505.	0.5	21
28	Features of hand-foot crawling behavior in human adults. <i>Journal of Neurophysiology</i> , 2012, 107, 114-125.	0.9	48
29	MINDWALKER: Going one step further with assistive lower limbs exoskeleton for SCI condition subjects. , 2012, , .		36
30	Recurrence quantification analysis of gait in normal and hypovestibular subjects. <i>Gait and Posture</i> , 2012, 35, 48-55.	0.6	70
31	From Spinal Central Pattern Generators to Cortical Network: Integrated BCI for Walking Rehabilitation. <i>Neural Plasticity</i> , 2012, 2012, 1-13.	1.0	91
32	Smooth changes in the EMG patterns during gait transitions under body weight unloading. <i>Journal of Neurophysiology</i> , 2011, 106, 1525-1536.	0.9	32
33	Gait transitions in simulated reduced gravity. <i>Journal of Applied Physiology</i> , 2011, 110, 781-788.	1.2	38
34	Oscillopsia in labyrinthine defective patients: comparison of objective and subjective measures. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2010, 31, 399-403.	0.6	15
35	Vestibular Rehabilitation Outcomes in Chronic Vertiginous Patients Through Computerized Dynamic Visual Acuity and Gaze Stabilization Test. <i>Otology and Neurotology</i> , 2007, 28, 809-813.	0.7	35
36	Balance Impairment After Acoustic Neuroma Surgery. <i>Otology and Neurotology</i> , 2007, 28, 814-821.	0.7	34