

# Emilia Ambrosini

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,853  
citations

257450  
24  
h-index

289244  
40  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2351  
citing authors

#	ARTICLE	IF	CITATIONS
1	The reliability of gait parameters captured via instrumented walkways: a systematic review and meta-analysis. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2022, 58, .	2.2	5
2	A Robotic System with EMG-Triggered Functional Electrical Stimulation for Restoring Arm Functions in Stroke Survivors. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 334-345.	2.9	25
3	The Effectiveness of Robot- vs. Virtual Reality-Based Gait Rehabilitation: A Propensity Score Matched Cohort. <i>Life</i> , 2021, 11, 548.	2.4	6
4	Multidisciplinary program based on early management of psychological factors reduces disability of patients with subacute low back pain: one-year results of a randomized controlled study. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2021, 57, .	2.2	10
5	Upper-Limb Exoskeletons for Stroke Rehabilitation. <i>IFMBE Proceedings</i> , 2020, , 1722-1728.	0.3	1
6	Does cycling induced by functional electrical stimulation enhance motor recovery in the subacute phase after stroke? A systematic review and meta-analysis. <i>Clinical Rehabilitation</i> , 2020, 34, 1341-1354.	2.2	8
7	Changes in leg cycling muscle synergies after training augmented by functional electrical stimulation in subacute stroke survivors: a pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 35.	4.6	30
8	Research Technologies for Assistance During Daily Life Activities. <i>IFMBE Proceedings</i> , 2020, , 1709-1713.	0.3	1
9	A multimodal training with visual biofeedback in subacute stroke survivors: a randomized controlled trial. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2020, 56, 24-33.	2.2	13
10	Efficacy of two brief cognitive-behavioral rehabilitation programs for chronic neck pain: results of a randomized controlled pilot study. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2019, 54, 890-899.	2.2	10
11	A Hybrid Robotic System for Arm Training of Stroke Survivors: Concept and First Evaluation. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 3290-3300.	4.2	25
12	EMG-based vibro-tactile biofeedback training: effective learning accelerator for children and adolescents with dystonia? A pilot crossover trial. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 150.	4.6	6
13	Co-activation and eEMG-feedback for Restoring Hand-Functions. , 2019, , .		2
14	Development of the Italian version of the trunk impairment scale in subjects with acute and chronic stroke. Cross-cultural adaptation, reliability, validity and responsiveness. <i>Disability and Rehabilitation</i> , 2019, 41, 66-73.	1.8	14
15	Does Cycling Training Augmented by Functional Electrical Stimulation Impact on Muscle Synergies in Post-acute Stroke Patients?. <i>Biosystems and Biorobotics</i> , 2019, , 334-338.	0.3	0
16	RCT Design for the Assessment of Rehabilitation Treatments: The Case Study of Post-stroke Rehabilitation. <i>Biosystems and Biorobotics</i> , 2018, , 29-45.	0.3	0
17	StimTrack: An open-source software for manual transcranial magnetic stimulation coil positioning. <i>Journal of Neuroscience Methods</i> , 2018, 293, 97-104.	2.5	6
18	Neural and Physiological Measures to Classify User's Intention and Control Exoskeletons for Rehabilitation or Assistance: The Experience @NearLab. <i>Mechanisms and Machine Science</i> , 2018, , 735-745.	0.5	1

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19	How balance task-specific training contributes to improving physical function in older subjects undergoing rehabilitation following hip fracture: a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2018, 32, 340-351.	2.2	32
20	Does Reinforcement Learning outperform PID in the control of FES-induced elbow flex-extension?. , 2018,, .		11
21	Disability after major abdominal surgery: determinants of recovery of walking ability in elderly patients. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2018, 54, 683-689.	2.2	7
22	Responsiveness and Minimal Important Changes of the Western Ontario and McMaster Universities Osteoarthritis Index in Subjects Undergoing Rehabilitation Following Hip Fracture. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 321-326.	1.4	6
23	Responsiveness and Minimal Important Changes of the Scoliosis Research Society-22 Patient Questionnaire in Subjects With Mild Adolescent and Moderate Adult Idiopathic Scoliosis Undergoing Multidisciplinary Rehabilitation. <i>Spine</i> , 2017, 42, E672-E679.	2.0	2
24	Responsiveness and minimal clinically important changes for the Tampa Scale of Kinesiophobia after lumbar fusion during cognitive behavioral rehabilitation. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 351-358.	2.2	40
25	Intra and inter-session reliability of rapid Transcranial Magnetic Stimulation stimulus-response curves of tibialis anterior muscle in healthy older adults. <i>PLoS ONE</i> , 2017, 12, e0184828.	2.5	10
26	Cognitive-behavioural treatment for subacute and chronic neck pain. <i>The Cochrane Library</i> , 2016, 2016, CD010664.	2.8	49
27	Can FES-augmented active cycling training improve locomotion in post-acute elderly stroke patients?. <i>European Journal of Translational Myology</i> , 2016, 26, 6063.	1.7	34
28	A Personalized Multi-Channel FES Controller Based on Muscle Synergies to Support Gait Rehabilitation after Stroke. <i>Frontiers in Neuroscience</i> , 2016, 10, 425.	2.8	73
29	EMG-Controlled Robotic Hand Rehabilitation Device for Domestic Training. <i>IFMBE Proceedings</i> , 2016, , 644-648.	0.3	5
30	A Computational Model of the Cerebellum to Simulate Cortical Degeneration During a Pavlovian Associative Paradigm. <i>IFMBE Proceedings</i> , 2016, , 1069-1074.	0.3	2
31	Group-based task-oriented exercises aimed at managing kinesiophobia improved disability in chronic low back pain. <i>European Journal of Pain</i> , 2016, 20, 541-551.	2.8	45
32	Neuro-Mechanics of Recumbent Leg Cycling in Post-Acute Stroke Patients. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3238-3251.	2.5	32
33	A patient-controlled functional electrical stimulation system for arm weight relief. <i>Medical Engineering and Physics</i> , 2016, 38, 1232-1243.	1.7	14
34	Responsiveness of the Tampa Scale of Kinesiophobia in Italian subjects with chronic low back pain undergoing motor and cognitive rehabilitation. <i>European Spine Journal</i> , 2016, 25, 2882-2888.	2.2	28
35	Adults with idiopathic scoliosis improve disability after motor and cognitive rehabilitation: results of a randomised controlled trial. <i>European Spine Journal</i> , 2016, 25, 3120-3129.	2.2	35
36	Development of the Italian Version of the Pain Vigilance and Awareness Questionnaire in Subjects with Chronic Low Back Pain: Cross-cultural Adaptation, Confirmatory Factor Analysis, Reliability and Validity. <i>International Journal of Behavioral Medicine</i> , 2016, 23, 214-223.	1.7	12

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37	Reaching and Grasping Training based on Robotic Hybrid Assistance for Neurological Patients. , 2016, , .		3
38	Neuro-mechanics of muscle coordination during recumbent pedaling in post-acute stroke patients. , 2015, 2015, 246-9.		2
39	Cognitive-behavioral Treatment for Subacute and Chronic Neck Pain. Spine, 2015, 40, 1495-1504.	2.0	26
40	In-patient multidisciplinary rehabilitation for Parkinson's disease: A randomized controlled trial. Movement Disorders, 2015, 30, 1050-1058.	3.9	84
41	Development of the Tampa Scale of Kinesiophobia for Parkinson's disease. International Journal of Rehabilitation Research, 2015, 38, 113-120.	1.3	20
42	A Novel Adaptive, Real-Time Algorithm to Detect Gait Events From Wearable Sensors. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 413-422.	4.9	129
43	A multi-channel biomimetic neuroprosthesis to support treadmill gait training in stroke patients. , 2015, 2015, 7159-62.		7
44	Responsiveness and minimal important changes for the Neck Disability Index and the Neck Pain Disability Scale in Italian subjects with chronic neck pain. European Spine Journal, 2015, 24, 2821-2827.	2.2	25
45	Measurement properties of translated versions of the Scoliosis Research Society-22 Patient Questionnaire, SRS-22: a systematic review. Quality of Life Research, 2015, 24, 1981-1998.	3.1	29
46	Medical Robotics. , 2015, , 3-35.		0
47	A multidisciplinary rehabilitation programme improves disability, kinesiophobia and walking ability in subjects with chronic low back pain: results of a randomised controlled pilot study. European Spine Journal, 2014, 23, 2105-2113.	2.2	74
48	Functional and usability assessment of a robotic exoskeleton arm to support activities of daily life. Robotica, 2014, 32, 1213-1224.	1.9	33
49	A myocontrolled neuroprosthesis integrated with a passive exoskeleton to support upper limb activities. Journal of Electromyography and Kinesiology, 2014, 24, 307-317.	1.7	58
50	Active self-correction and task-oriented exercises reduce spinal deformity and improve quality of life in subjects with mild adolescent idiopathic scoliosis. Results of a randomised controlled trial. European Spine Journal, 2014, 23, 1204-1214.	2.2	183
51	An Automatic Identification Procedure to Promote the use of FES-Cycling Training for Hemiparetic Patients. Journal of Healthcare Engineering, 2014, 5, 275-292.	1.9	14
52	Task-oriented exercises and early full weight-bearing contribute to improving disability after total hip replacement: a randomized controlled trial. Clinical Rehabilitation, 2014, 28, 658-668.	2.2	26
53	Reliability of spatial-temporal gait parameters during dual-task interference in people with multiple sclerosis. A cross-sectional study. Gait and Posture, 2014, 40, 715-718.	1.4	29
54	Feedback control of arm movements using Neuro-Muscular Electrical Stimulation (NMES) combined with a lockable, passive exoskeleton for gravity compensation. Frontiers in Neuroscience, 2014, 8, 262.	2.8	25

#	ARTICLE	IF	CITATIONS
55	MUNDUS project: MULTimodal Neuroprosthesis for daily Upper limb Support. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 66.	4.6	115
56	â€Regent Suitâ€™ training improves recovery of motor and daily living activities in subjects with subacute stroke: a randomized controlled trial. Clinical Rehabilitation, 2013, 27, 792-802.	2.2	14
57	Volitional cycling augmented by functional electrical stimulation in hemiparetic adolescents: A case series study. Journal of Automatic Control, 2013, 21, 37-42.	1.0	5
58	Biomimetic NMES controller for arm movements supported by a passive exoskeleton. , 2012, 2012, 1888-91.		6
59	Cycling Induced by Electrical Stimulation Improves Muscle Activation and Symmetry During Pedaling in Hemiparetic Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 320-330.	4.9	62
60	A biofeedback cycling training to improve locomotion: a case series study based on gait pattern classification of 153 chronic stroke patients. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 47.	4.6	61
61	A novel biofeedback cycling training to improve gait symmetry in stroke patients: A case series study. , 2011, 2011, 5975495.		9
62	Cycling Induced by Electrical Stimulation Improves Motor Recovery in Postacute Hemiparetic Patients. Stroke, 2011, 42, 1068-1073.	2.0	116
63	An EMG-controlled neuroprosthesis for daily upper limb support: A preliminary study. , 2011, 2011, 4259-62.		13
64	Design of a Symmetry Controller for Cycling Induced by Electrical Stimulation: Preliminary Results on Postâ€™Acute Stroke Patients. Artificial Organs, 2010, 34, 663-667.	1.9	31
65	Design of Myocontrolled Neuroprosthesis. Advances in Medical Technologies and Clinical Practice Book Series, 0, , 275-303.	0.3	1
66	Sensors for Motor Neuroprosthetics. Advances in Bioinformatics and Biomedical Engineering Book Series, 0, , 38-64.	0.4	4