Emilia Ambrosini

List of Publications by Year
in descending order

66	1,853	257429 24	289230 40
papers	citations	h-index	g-index

70	70	70	2351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The reliability of gait parameters captured via instrumented walkways: a systematic review and meta-analysis. European Journal of Physical and Rehabilitation Medicine, 2022, 58, .	2.2	5
2	A Robotic System with EMG-Triggered Functional Eletrical Stimulation for Restoring Arm Functions in Stroke Survivors. Neurorehabilitation and Neural Repair, 2021, 35, 334-345.	2.9	25
3	The Effectiveness of Robot- vs. Virtual Reality-Based Gait Rehabilitation: A Propensity Score Matched Cohort. Life, 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. European Journal of Physical and Rehabilitation Medicine, 2021, 57, .	2.2	10
5	Upper-Limb Exoskeletons for Stroke Rehabilitation. IFMBE Proceedings, 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. Clinical Rehabilitation, 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. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 35.	4.6	30
8	Research Technologies for Assistance During Daily Life Activities. IFMBE Proceedings, 2020, , 1709-1713.	0.3	1
9	A multimodal training with visual biofeedback in subacute stroke survivors: a randomized controlled trial. European Journal of Physical and Rehabilitation Medicine, 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. European Journal of Physical and Rehabilitation Medicine, 2019, 54, 890-899.	2.2	10
11	A Hybrid Robotic System for Arm Training of Stroke Survivors: Concept and First Evaluation. IEEE Transactions on Biomedical Engineering, 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. Journal of NeuroEngineering and Rehabilitation, 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. Disability and Rehabilitation, 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?. Biosystems and Biorobotics, 2019, , 334-338.	0.3	0
16	RCT Design for the Assessment of Rehabilitation Treatments: The Case Study of Post-stroke Rehabilitation. Biosystems and Biorobotics, 2018, , 29-45.	0.3	0
17	StimTrack: An open-source software for manual transcranial magnetic stimulation coil positioning. Journal of Neuroscience Methods, 2018, 293, 97-104.	2.5	6
18	Neural and Physiological Measures to Classify Userâ€™s Intention and Control Exoskeletons for Rehabilitation or Assistance: The Experience @NearLab. Mechanisms and Machine Science, 2018, , 735-745.	0.5	1

#	Article	IF	Citations
19	How balance task-specific training contributes to improving physical function in older subjects undergoing rehabilitation following hip fracture: a randomized controlled trial. Clinical Rehabilitation, 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. European Journal of Physical and Rehabilitation Medicine, 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. American Journal of Physical Medicine and Rehabilitation, 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. Spine, 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. European Journal of Physical and Rehabilitation Medicine, 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. PLoS ONE, 2017, 12, e0184828.	2.5	10
26	Cognitive-behavioural treatment for subacute and chronic neck pain. The Cochrane Library, 2016, 2016, CD010664.	2.8	49
27	Can FES-augmented active cycling training improve locomotion in post-acute elderly stroke patients?. European Journal of Translational Myology, 2016, 26, 6063.	1.7	34
28	A Personalized Multi-Channel FES Controller Based on Muscle Synergies to Support Gait Rehabilitation after Stroke. Frontiers in Neuroscience, 2016, 10, 425.	2.8	73
29	EMG-Controlled Robotic Hand Rehabilitation Device for Domestic Training. IFMBE Proceedings, 2016, , 644-648.	0.3	5
30	A Computational Model of the Cerebellum to Simulate Cortical Degeneration During a Pavlovian Associative Paradigm. IFMBE Proceedings, 2016, , 1069-1074.	0.3	2
31	Groupâ€based taskâ€oriented exercises aimed at managing kinesiophobia improved disability in chronic low back pain. European Journal of Pain, 2016, 20, 541-551.	2.8	45
32	Neuro-Mechanics of Recumbent Leg Cycling in Post-Acute Stroke Patients. Annals of Biomedical Engineering, 2016, 44, 3238-3251.	2.5	32
33	A patient-controlled functional electrical stimulation system for arm weight relief. Medical Engineering and Physics, 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. European Spine Journal, 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. European Spine Journal, 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. International Journal of Behavioral Medicine, 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	Inâ€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 Parkinsonâ€™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 spatialâ€“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