Cristina BayÃ³n

List of Publications by Year
in descending order

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16 papers	298 citations	1163117 8 h-index	1058476 14 g-index
20 all docs	20 docs citations	20 times ranked	279 citing authors

#	Article	IF	Citations
1	Cooperative ankle-exoskeleton control can reduce effort to recover balance after unexpected disturbances during walking. Journal of NeuroEngineering and Rehabilitation, 2022, 19, 21.	4.6	15
2	Development and Evaluation of BenchBalance: A System for Benchmarking Balance Capabilities of Wearable Robots and Their Users. Sensors, 2022, 22, 119.	3.8	4
3	Effects of selectively assisting impaired subtasks of walking in chronic stroke survivors. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 143.	4.6	4
4	Can Momentum-Based Control Predict Human Balance Recovery Strategies?. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2015-2024.	4.9	9
5	Automatic versus manual tuning of robot-assisted gait training in people with neurological disorders. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 9.	4.6	19
6	Evaluation of biomechanical gait parameters of patients with Cerebral Palsy at three different levels of gait assistance using the CPWalker. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 15.	4.6	25
7	Pilot Study of a Performance-Based Adaptive Assistance Controller for Stroke Survivors. Biosystems and Biorobotics, 2019, , 302-306.	0.3	2
8	A robot-based gait training therapy for pediatric population with cerebral palsy: goal setting, proposal and preliminary clinical implementation. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 69.	4.6	44
9	Development and evaluation of a novel robotic platform for gait rehabilitation in patients with Cerebral Palsy: CPWalker. Robotics and Autonomous Systems, 2017, 91, 101-114.	5.1	54
10	BCI-Based Facilitation of Cortical Activity Associated to Gait Onset After Single Event Multi-level Surgery in Cerebral Palsy. Springer Briefs in Electrical and Computer Engineering, 2017, , 99-110.	0.5	4
11	The CP Walker for Strength Training in Children with Spastic Cerebral Palsy: A Training Program Proposal. Biosystems and Biorobotics, 2017, , 1211-1215.	0.3	2
12	Robotic Therapies for Children with Cerebral Palsy: A Systematic Review. Translational Biomedicine, 2016, 7, .	0.1	48
13	Locomotor training through a novel robotic platform for gait rehabilitation in pediatric population: short report. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 98.	4.6	37
14	Human-Robot interaction strategy for overground rehabilitation in patients with Cerebral Palsy. , 2016, , .		3
15	Pilot study of a novel robotic platform for gait rehabilitation in children with cerebral palsy. , 2016, , .		4
16	CPWalker: Robotic platform for gait rehabilitation in patients with Cerebral Palsy. , 2016, , .		20