Michael Mace

List of Publications by Year
in descending order

23	342	1163117 8	1058476 14
papers	citations	h-index	g-index

23	23	23	498
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bimanual coordination during a physically coupled task in unilateral spastic cerebral palsy children. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 1.	4.6	133
2	Balancing the playing field: collaborative gaming for physical training. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 116.	4.6	47
3	Democratizing Neurorehabilitation: How Accessible are Low-Cost Mobile-Gaming Technologies for Self-Rehabilitation of Arm Disability in Stroke?. PLoS ONE, 2016, 11, e0163413.	2.5	31
4	A Network Model of Local Field Potential Activity in Essential Tremor and the Impact of Deep Brain Stimulation. PLoS Computational Biology, 2017, 13, e1005326.	3.2	26
5	Elasticity improves handgrip performance and user experience during visuomotor control. Royal Society Open Science, 2017, 4, 160961.	2.4	15
6	A heterogeneous framework for real-time decoding of bioacoustic signals: Applications to assistive interfaces and prosthesis control. Expert Systems With Applications, 2013, 40, 5049-5060.	7.6	13
7	Real-time implementation of a non-invasive tongue-based human-robot interface. , 2010, , .		10
8	Robust real-time identification of tongue movement commands from interferences. Neurocomputing, 2012, 80, 83-92.	5.9	10
9	SITAR: a system for independent task-oriented assessment and rehabilitation. Journal of Rehabilitation and Assistive Technologies Engineering, 2017, 4, 205566831772963.	0.9	9
10	Modernising grip dynamometry: Inter-instrument reliability between GripAble and Jamar. BMC Musculoskeletal Disorders, 2022, 23, 80.	1.9	8
11	Ensemble classification for robust discrimination of multi-channel, multi-class tongue-movement ear pressure signals. , 2011, 2011, 1733-6.		7
12	GripAble: An accurate, sensitive and robust digital device for measuring grip strength. Journal of Rehabilitation and Assistive Technologies Engineering, 2022, 9, 205566832210784.	0.9	6
13	An automated approach towards detecting complex behaviours in deep brain oscillations. Journal of Neuroscience Methods, 2014, 224, 66-78.	2.5	5
14	Comparison of flexible and rigid hand-grip control during a feed-forward visual tracking task. , 2015, , .		5
15	Tongue in cheek: a novel concept in assistive human machine interface. Journal of Assistive Technologies, 2009, 3, 14-26.	0.8	3
16	Multivariate Bayesian classification of tongue movement ear pressure signals based on the wavelet packet transform. , 2010, , .		3
17	A Wearable Automated System to Quantify Parkinsonian Symptoms Enabling Closed Loop Deep Brain Stimulation. Lecture Notes in Computer Science, 2016, , 8-19.	1.3	3
18	Multi-layer neural network classification of tongue movement ear pressure signal for human machine interface. , 2010, , .		2

#	Article	IF	Citations
19	Collaborative Gaming to Enhance Patient Performance During Virtual Therapy. Biosystems and Biorobotics, 2017, , 375-379.	0.3	2
20	Influence of visual-coupling on bimanual coordination in unilateral spastic cerebral palsy. , 2019, 2019, 1013-1018.		2
21	A DCT-Gaussian classification scheme for human-robot interface. , 2009, , .		1
22	Investigating Tactile Sensation in the Hand Using a Robot-Based Tactile Assessment Tool. Lecture Notes in Computer Science, 2016, , 17-24.	1.3	1
23	Augmenting neuroprosthetic hand control through evaluation of a bioacoustic interface. , 2013, , .		0