

Cristian F Pasluosta

List of Publications by Year in descending order

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39
papers

1,407
citations

686830

13
h-index

476904

29
g-index

39
all docs

39
docs citations

39
times ranked

1918
citing authors

#	ARTICLE	IF	CITATIONS
1	Unilateral transfemoral amputees exhibit altered strength and dynamics of muscular co-activation modulated by visual feedback. <i>Journal of Neural Engineering</i> , 2022, 19, 016024.	1.8	1
2	Bidirectional bionic limbs: a perspective bridging technology and physiology. <i>Journal of Neural Engineering</i> , 2022, 19, 013001.	1.8	7
3	Editorial: Wearable and Implantable Technologies in the Rehabilitation of Patients With Sensory Impairments. <i>Frontiers in Neuroscience</i> , 2021, 15, 740263.	1.4	0
4	Influence of Augmented Visual Feedback on Balance Control in Unilateral Transfemoral Amputees. <i>Frontiers in Neuroscience</i> , 2021, 15, 727527.	1.4	4
5	Neural Implants Without Electronics: A Proof-of-Concept Study on a Human Skin Model. <i>IEEE Open Journal of Engineering in Medicine and Biology</i> , 2020, 1, 91-97.	1.7	2
6	Fabrication and validation of reference structures for the localization of subdural standard- and micro-electrodes in MRI. <i>Journal of Neural Engineering</i> , 2020, 17, 046044.	1.8	4
7	Robust and Precise Alignment Monitoring of Electrode Arrays for Capacitive Energy Supply and Signal Transmission. , 2019, , .		2
8	Electrical connectors for neural implants: design, state of the art and future challenges of an underestimated component. <i>Journal of Neural Engineering</i> , 2019, 16, 061002.	1.8	28
9	Neuromuscular adaptations and sensorimotor integration following a unilateral transfemoral amputation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 115.	2.4	29
10	Perturbation Treadmill Training Improves Clinical Characteristics of Gait and Balance in Parkinsonâ€™s Disease. <i>Journal of Parkinson's Disease</i> , 2019, 9, 413-426.	1.5	23
11	Exploring gait adaptations to perturbed and conventional treadmill training in Parkinsonâ€™s disease: Time-course, sustainability, and transfer. <i>Human Movement Science</i> , 2019, 64, 123-132.	0.6	7
12	Paradigms for restoration of somatosensory feedback via stimulation of the peripheral nervous system. <i>Clinical Neurophysiology</i> , 2018, 129, 851-862.	0.7	60
13	Dynamic footprint based locomotion sway assessment in α -synucleinopathic mice using Fast Fourier Transform and Low Pass Filter. <i>Journal of Neuroscience Methods</i> , 2018, 296, 1-11.	1.3	15
14	Motor output complexity in Parkinsonâ€™s disease during quiet standing and walking: Analysis of short-term correlations using the entropic half-life. <i>Human Movement Science</i> , 2018, 58, 185-194.	0.6	8
15	Mobile Stride Length Estimation With Deep Convolutional Neural Networks. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 354-362.	3.9	94
16	Pre-operative sensor-based gait parameters predict functional outcome after total knee arthroplasty. <i>Gait and Posture</i> , 2018, 66, 194-200.	0.6	29
17	Dynamic footprints of α -synucleinopathic mice recorded by CatWalk gait analysis. <i>Data in Brief</i> , 2018, 17, 189-193.	0.5	7
18	Tactile Myography: An Off-Line Assessment of Able-Bodied Subjects and One Upper-Limb Amputee. <i>Technologies</i> , 2018, 6, 38.	3.0	11

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19	Internet of Health Things: Toward intelligent vital signs monitoring in hospital wards. Artificial Intelligence in Medicine, 2018, 89, 61-69.	3.8	187
20	Generic performance measure for multiclass-classifiers. Pattern Recognition, 2017, 68, 111-125.	5.1	58
21	Sensor-Based Gait Parameter Extraction With Deep Convolutional Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 85-93.	3.9	139
22	Perturbation During Treadmill Training Improves Dynamic Balance and Gait in Parkinson's Disease: A Single-Blind Randomized Controlled Pilot Trial. Neurorehabilitation and Neural Repair, 2017, 31, 758-768.	1.4	34
23	Precise localization of silicone-based intercranial planar electrodes in magnetic resonance imaging. , 2017, 2017, 513-516.		0
24	Acute Neuromuscular Adaptations in the Postural Control of Patients with Parkinson's Disease after Perturbed Walking. Frontiers in Aging Neuroscience, 2017, 9, 316.	1.7	10
25	Towards Mobile Gait Analysis: Concurrent Validity and Test-Retest Reliability of an Inertial Measurement System for the Assessment of Spatio-Temporal Gait Parameters. Sensors, 2017, 17, 1522.	2.1	113
26	Combined accelerometer and EMG analysis to differentiate essential tremor from Parkinson's disease. , 2016, 2016, 672-675.		18
27	Pull test estimation in Parkinson's disease patients using wearable sensor technology. , 2015, 2015, 3109-12.		17
28	Unobtrusive heart rate estimation during physical exercise using photoplethysmographic and acceleration data. , 2015, 2015, 6114-7.		11
29	Modulation of Grasping Force in Prosthetic Hands Using Neural Network-Based Predictive Control. Methods in Molecular Biology, 2015, 1260, 179-194.	0.4	2
30	Stride Segmentation during Free Walk Movements Using Multi-Dimensional Subsequence Dynamic Time Warping on Inertial Sensor Data. Sensors, 2015, 15, 6419-6440.	2.1	180
31	An Emerging Era in the Management of Parkinson's Disease: Wearable Technologies and the Internet of Things. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1873-1881.	3.9	257
32	Novel human computer interaction principles for cardiac feedback using google glass and Android wear. , 2015, , .		7
33	Parkinson's disease as a Working Model for Global Healthcare Restructuration: The Internet of Things and Wearables Technologies. , 2015, , .		7
34	Online kinematic regulation by visual feedback for grasp versus transport during reach-to-pinch. Human Movement Science, 2014, 36, 134-153.	0.6	7
35	Influence of nerve supply on hand electromyography coherence during a three-digit task. Journal of Electromyography and Kinesiology, 2013, 23, 594-599.	0.7	10
36	Evaluation of a Neural Network-Based Control Strategy for a Cost-Effective Externally-Powered Prosthesis. Assistive Technology, 2012, 24, 196-208.	1.2	11

#	ARTICLE	IF	CITATIONS
37	Nearest hyperplane distance neighbor clustering algorithm applied to gene co-expression analysis in Alzheimer's disease. , 2011, 2011, 5559-62.		6
38	Microcontrolled air-mattress for ulcer by pressure prevention. Journal of Physics: Conference Series, 2007, 90, 012026.	0.3	1
39	MotionLab@Home: Complementary Measurement of Gait Characteristics Using Wearable Technology and Markerless Video Tracking - A Study Protocol. Advanced Engineering Forum, 0, 19, 149-155.	0.3	1