

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	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
2	Internet of Health Things: Toward intelligent vital signs monitoring in hospital wards. Artificial Intelligence in Medicine, 2018, 89, 61-69.	3.8	187
3	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
4	Sensor-Based Gait Parameter Extraction With Deep Convolutional Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 85-93.	3.9	139
5	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
6	Mobile Stride Length Estimation With Deep Convolutional Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 354-362.	3.9	94
7	Paradigms for restoration of somatosensory feedback via stimulation of the peripheral nervous system. Clinical Neurophysiology, 2018, 129, 851-862.	0.7	60
8	Generic performance measure for multiclass-classifiers. Pattern Recognition, 2017, 68, 111-125.	5.1	58
9	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
10	Pre-operative sensor-based gait parameters predict functional outcome after total knee arthroplasty. Gait and Posture, 2018, 66, 194-200.	0.6	29
11	Neuromuscular adaptations and sensorimotor integration following a unilateral transfemoral amputation. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 115.	2.4	29
12	Electrical connectors for neural implants: design, state of the art and future challenges of an underestimated component. Journal of Neural Engineering, 2019, 16, 061002.	1.8	28
13	Perturbation Treadmill Training Improves Clinical Characteristics of Gait and Balance in Parkinson's Disease. Journal of Parkinson's Disease, 2019, 9, 413-426.	1.5	23
14	Combined accelerometer and EMG analysis to differentiate essential tremor from Parkinson's disease. , 2016, 2016, 672-675.		18
15	Pull test estimation in Parkinson's disease patients using wearable sensor technology. , 2015, 2015, 3109-12.		17
16	Dynamic footprint based locomotion sway assessment in α -synucleinopathic mice using Fast Fourier Transform and Low Pass Filter. Journal of Neuroscience Methods, 2018, 296, 1-11.	1.3	15
17	Evaluation of a Neural Network-Based Control Strategy for a Cost-Effective Externally-Powered Prosthesis. Assistive Technology, 2012, 24, 196-208.	1.2	11
18	Unobtrusive heart rate estimation during physical exercise using photoplethysmographic and acceleration data. , 2015, 2015, 6114-7.		11

#	ARTICLE	IF	CITATIONS
19	Tactile Myography: An Off-Line Assessment of Able-Bodied Subjects and One Upper-Limb Amputee. <i>Technologies</i> , 2018, 6, 38.	3.0	11
20	Influence of nerve supply on hand electromyography coherence during a three-digit task. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 594-599.	0.7	10
21	Acute Neuromuscular Adaptations in the Postural Control of Patients with Parkinson's Disease after Perturbed Walking. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 316.	1.7	10
22	Motor output complexity in Parkinson'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
23	Online kinematic regulation by visual feedback for grasp versus transport during reach-to-pinch. <i>Human Movement Science</i> , 2014, 36, 134-153.	0.6	7
24	Novel human computer interaction principles for cardiac feedback using google glass and Android wear. , 2015, , .		7
25	Dynamic footprints of α -synucleinopathic mice recorded by CatWalk gait analysis. <i>Data in Brief</i> , 2018, 17, 189-193.	0.5	7
26	Exploring gait adaptations to perturbed and conventional treadmill training in Parkinson's disease: Time-course, sustainability, and transfer. <i>Human Movement Science</i> , 2019, 64, 123-132.	0.6	7
27	Parkinson's disease as a Working Model for Global Healthcare Restructuration: The Internet of Things and Wearables Technologies. , 2015, , .		7
28	Bidirectional bionic limbs: a perspective bridging technology and physiology. <i>Journal of Neural Engineering</i> , 2022, 19, 013001.	1.8	7
29	Nearest hyperplane distance neighbor clustering algorithm applied to gene co-expression analysis in Alzheimer's disease. , 2011, 2011, 5559-62.		6
30	Influence of Augmented Visual Feedback on Balance Control in Unilateral Transfemoral Amputees. <i>Frontiers in Neuroscience</i> , 2021, 15, 727527.	1.4	4
31	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
32	Modulation of Grasping Force in Prosthetic Hands Using Neural Network-Based Predictive Control. <i>Methods in Molecular Biology</i> , 2015, 1260, 179-194.	0.4	2
33	Robust and Precise Alignment Monitoring of Electrode Arrays for Capacitive Energy Supply and Signal Transmission. , 2019, , .		2
34	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
35	Microcontrolled air-mattress for ulcer by pressure prevention. <i>Journal of Physics: Conference Series</i> , 2007, 90, 012026.	0.3	1
36	MotionLab@Home: Complementary Measurement of Gait Characteristics Using Wearable Technology and Markerless Video Tracking - A Study Protocol. <i>Advanced Engineering Forum</i> , 0, 19, 149-155.	0.3	1

#	ARTICLE	IF	CITATIONS
37	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
38	Precise localization of silicone-based intercranial planar electrodes in magnetic resonance imaging. , 2017, 2017, 513-516.		0
39	Editorial: Wearable and Implantable Technologies in the Rehabilitation of Patients With Sensory Impairments. <i>Frontiers in Neuroscience</i> , 2021, 15, 740263.	1.4	0