Che-Wei Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3302552/publications.pdf

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28	522	933447 10	713466 21
papers	citations	h-index	g-index

29	29	29	707
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solving Inverse Electrocardiographic Mapping Using Machine Learning and Deep Learning Frameworks. Sensors, 2022, 22, 2331.	3.8	5
2	Effects of a Virtual Realityâ€“Based Mirror Therapy Program on Improving Sensorimotor Function of Hands in Chronic Stroke Patients: A Randomized Controlled Trial. Neurorehabilitation and Neural Repair, 2022, 36, 335-345.	2.9	15
3	Sleep Apnea Classification Algorithm Development Using a Machine-Learning Framework and Bag-of-Features Derived from Electrocardiogram Spectrograms. Journal of Clinical Medicine, 2022, 11, 192.	2.4	9
4	Development of Neuro-Degenerative Diseasesâ€™ Gait Classification Algorithm Using Convolutional Neural Network and Wavelet Coherence Spectrogram of Gait Synchronization. IEEE Access, 2022, 10, 38137-38153.	4.2	7
5	Development and Testing of a Virtual Reality Mirror Therapy System for the Sensorimotor Performance of Upper Extremity: A Pilot Randomized Controlled Trial. IEEE Access, 2021, 9, 14725-14734.	4.2	19
6	Identification of Neurodegenerative Diseases Based on Vertical Ground Reaction Force Classification Using Timeâ€“Frequency Spectrogram and Deep Learning Neural Network Features. Brain Sciences, 2021, 11, 902.	2.3	7
7	Implementation of a Deep Learning Algorithm Based on Vertical Ground Reaction Force Timeâ€“Frequency Features for the Detection and Severity Classification of Parkinsonâ€™s Disease. Sensors, 2021, 21, 5207.	3.8	11
8	Designing and pilot testing a novel high-definition transcranial burst electrostimulation device for neurorehabilitation. Journal of Neural Engineering, 2021, 18, 056030.	3.5	5
9	Using Virtual Realityâ€“Based Rehabilitation in Sarcopenic Older Adults in Rural Health Care Facilitiesâ€”A Quasi-Experimental Study. Journal of Aging and Physical Activity, 2021, 29, 866-877.	1.0	5
10	Effects of vibrotactile-enhanced music-based intervention on sensorimotor control capacity in the hand of an aging brain: a pilot feasibility randomized crossover trial. BMC Geriatrics, 2021, 21, 660.	2.7	0
11	Development of a Neurodegenerative Disease Gait Classification Algorithm Using Multiscale Sample Entropy and Machine Learning Classifiers. Entropy, 2020, 22, 1340.	2.2	16
12	Evaluation of Vertical Ground Reaction Forces Pattern Visualization in Neurodegenerative Diseases Identification Using Deep Learning and Recurrence Plot Image Feature Extraction. Sensors, 2020, 20, 3857.	3.8	19
13	Development of Radial Artery Pulse Audiogram Sensing System for Fast Detection of Atrial Fibrillation and Pulse Amplitude Variation. IEEE Access, 2020, 8, 178770-178781.	4.2	0
14	Multiscale Approximate Entropy for Gait Analysis in Patients with Neurodegenerative Diseases. Entropy, 2019, 21, 934.	2.2	8
15	Heart Rate Variability is Associated with Memory in Females. Applied Psychophysiology Biofeedback, 2019, 44, 117-122.	1.7	3
16	The Effects of an Activity Promotion System on active living in overweight subjects with metabolic abnormalities. Obesity Research and Clinical Practice, 2017, 11, 718-727.	1.8	16
17	Functional connectivity between parietal cortex and the cardiac autonomic system in uremics. Kaohsiung Journal of Medical Sciences, 2014, 30, 125-132.	1.9	9
18	Functional connectivity between lateral premotor-parietal circuits and the cardiac autonomic system in Parkinson's disease. Journal of the Neurological Sciences, 2013, 326, 48-52.	0.6	8

#	Article	IF	Citations
19	A k-nearest-neighbor classifier with heart rate variability feature-based transformation algorithm for driving stress recognition. Neurocomputing, 2013, 116, 136-143.	5.9	99
20	A Wearable Sensor Module With a Neural-Network-Based Activity Classification Algorithm for Daily Energy Expenditure Estimation. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 991-998.	3.2	53
21	Walking Pattern Classification and Walking Distance Estimation Algorithms Using Gait Phase Information. IEEE Transactions on Biomedical Engineering, 2012, 59, 2884-2892.	4.2	84
22	Classification of Parkinsonâ€™s Disease Severity Using Heart Rate Variability Analysis. , 2012, , 425-442.		0
23	Using Heart Rate Variability Parameter-Based Feature Transformation Algorithm for Driving Stress Recognition. Lecture Notes in Computer Science, 2011, , 532-537.	1.3	1
24	Mining Physiological Conditions from Heart Rate Variability Analysis. IEEE Computational Intelligence Magazine, 2010, 5, 50-58.	3.2	56
25	Driving Conditions Recognition Using Heart Rate Variability Indexes. , 2010, , .		4
26	Development of a portable activity detector for daily activity recognition. , 2009, , .		47
27	A digital circuit design of hyperbolic tangent sigmoid function for neural networks. , 2008, , .		15
28	A digital circuit design of state-space recurrent neural networks. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0