Radim Krupicka

List of Publications by Year
in descending order

38	315	1163117 8	888059 17
papers	citations	h-index	g-index

40	40	40	546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gait symmetry measures: A review of current and prospective methods. Biomedical Signal Processing and Control, 2018, 42, 89-100.	5.7	110
2	Tests of manual dexterity and speed in Parkinsonâ€™s disease: Not all measure the same. Parkinsonism and Related Disorders, 2016, 28, 118-123.	2.2	32
3	Relations of non-motor symptoms and dopamine transporter binding in REM sleep behavior disorder. Scientific Reports, 2019, 9, 15463.	3.3	26
4	Agreement between the GAITRite^{Â®} System and the Wearable Sensor BTS G-Walk^{Â®}Âfor measurement of gait parameters in healthy adults and Parkinsonâ€™s disease patients. PeerJ, 2020, 8, e8835.	2.0	25
5	Empowering lower limbs exoskeletons: state-of-the-art. Robotica, 2018, 36, 1743-1756.	1.9	18
6	Comparative analysis of speech impairment and upper limb motor dysfunction in Parkinsonâ€™s disease. Journal of Neural Transmission, 2017, 124, 463-470.	2.8	15
7	Automatic substantia nigra segmentation in neuromelanin-sensitive MRI by deep neural network in patients with prodromal and manifest synucleinopathy. Physiological Research, 2019, 68, S453-S458.	0.9	13
8	Instrumental analysis of finger tapping reveals a novel early biomarker of parkinsonism in idiopathic rapid eye movement sleep behaviour disorder. Sleep Medicine, 2020, 75, 45-49.	1.6	12
9	Identification of Microrecording Artifacts with Wavelet Analysis and Convolutional Neural Network: An Image Recognition Approach. Measurement Science Review, 2019, 19, 222-231.	1.0	7
10	BradykAn: A motion capture system for objectification of hand motor tests in Parkinson Disease. , 2017, , .		6
11	Instrumented pig gait analysis: State-of-the-art. Journal of Veterinary Behavior: Clinical Applications and Research, 2021, 45, 51-59.	1.2	6
12	Extended Timed Up & Go test: Is walking forward and returning back to the chair equivalent gait?. Journal of Biomechanics, 2019, 89, 110-114.	2.1	5
13	Gait symmetry methods: Comparison of waveform-based Methods and recommendation for use. Biomedical Signal Processing and Control, 2020, 55, 101643.	5.7	4
14	Reshaping cortical activity with subthalamic stimulation in Parkinson's disease during finger tapping and gait mapped by near infrared spectroscopy. Journal of Applied Biomedicine, 2019, 17, 157-166.	1.7	4
15	Application of Spike Sorting Algorithm to Neuronal Signals Originated from Boron Doped Diamond Micro-Electrode Arrays. Physiological Research, 2020, 69, 529-536.	0.9	4
16	Statistical analysis of the 180 degree walking turn: Common patterns, repeatability and prediction bands of turn signals. Biomedical Signal Processing and Control, 2020, 56, 101689.	5.7	3
17	Comparative study of the substantia nigra echogenicity and 123I-Ioflupane SPECT in patients with synucleinopathies with and without REM sleep behavior disorder. Sleep Medicine, 2020, 70, 116-123.	1.6	3
18	Instrumental Analysis of Gait Abnormalities in Idiopathic Rapid Eye Movement Sleep Behavior Disorder. Movement Disorders, 2020, 35, 193-195.	3.9	3

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19	The timed up & go test sit-to-stand transition: Which signals measured by inertial sensors are a viable route for continuous analysis?. Gait and Posture, 2021, 84, 8-10.	1.4	3
20	Microelectrode Neuronal Activity of the Internal Globus Pallidus in Dystonia Correlates with Postoperative Neuromodulation Effects and Placement of the Stimulation Electrode. Irbm, 2019, 40, 193-200.	5.6	2
21	Waveform skewness: Parameter for timed Up & Go turn assessment. Biomedical Signal Processing and Control, 2019, 52, 347-352.	5.7	2
22	The repeatability of the instrumented timed Up & Go test: The performance of older adults and parkinsonâ€™s disease patients under different conditions. Biocybernetics and Biomedical Engineering, 2020, 40, 363-377.	5.9	2
23	Digital Wireless Craniocorpography with Sidelong Scanning by TV Fisheye Camera. IFMBE Proceedings, 2009, , 102-105.	0.3	2
24	Evaluation of movement of patients with Parkinson's disease using wearable MoCap system and bilateral cyclograms. , 2017, , .		1
25	Microelectrode Neuronal Activity Biomarker of the Internal Globus Pallidus in Dystonia Correlates with Long-term Neuromodulation Effects. , 2018, , .		1
26	P 024 - Near-infrared spectroscopy patterns of cortical activity during gait in Parkinsonâ€™s disease patients treated with DBS STN. Gait and Posture, 2018, 65, 273-275.	1.4	1
27	Split-Belt Treadmill to Study Reactive Responses to Unexpected Gait Perturbation. IFMBE Proceedings, 2019, , 579-582.	0.3	1
28	Automated Neurons Recognition and Sorting for Diamond Based Microelectrode Arrays Recording: A Feasibility Study. IFMBE Proceedings, 2019, , 281-286.	0.3	1
29	A New Approach to Gait Variability Quantification using Cyclograms. , 2018, , .		1
30	Analysis of Neural Activity of the Human Basal Ganglia in Dystonia: a Review. Lekar A Technika, 2019, 49, 66-71.	0.1	1
31	C11â€...Behavioural studies in Libechov minipigs with huntingtonâ€™s disease; changes in behaviour, motor skills and learning. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A30.2-A30.	1.9	0
32	Parametric Representation of Hand Movement in Parkinsonâ€™s Disease. IFMBE Proceedings, 2009, , 85-88.	0.3	0
33	Contactless head posture measurement. IFMBE Proceedings, 2009, , 93-96.	0.3	0
34	Wave Kurtosis: A Novel, Specific Parameter for TUG-Turn Quantification. IFMBE Proceedings, 2019, , 339-343.	0.3	0
35	System for Motor Evoked Potentials Acquisition and Analysis. IFMBE Proceedings, 2019, , 87-91.	0.3	0
36	Can Sit-to-walk Assessment Maximize Instrumented Timed Up & Go Test Output?. , 2019, , .		0

#	Article	IF	Citations
37	The Reliability of Pig Gait Inertial Signals: A Pilot Study. IFMBE Proceedings, 2021, , 1004-1010.	0.3	0
38	Is Gait Dysfunction a Prominent Sign of Isolated Rapid Eye Movement Sleep Behavior Disorder?. Movement Disorders, 2022, 37, 1575-1576.	3.9	0