

# Radim Krupicka

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

315  
citations

1163117

8  
h-index

888059

17  
g-index

40  
all docs

40  
docs citations

40  
times ranked

546  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Is Gait Dysfunction a Prominent Sign of Isolated Rapid Eye Movement Sleep Behavior Disorder?. <i>Movement Disorders</i> , 2022, 37, 1575-1576.   | 3.9 | 0         |
| 2  | The timed up & go test sit-to-stand transition: Which signals measured by inertial sensors are a viable route for continuous analysis?. <i>Gait and Posture</i> , 2021, 84, 8-10.  | 1.4 | 3         |
| 3  | Instrumented pig gait analysis: State-of-the-art. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2021, 45, 51-59.   | 1.2 | 6         |
| 4  | The Reliability of Pig Gait Inertial Signals: A Pilot Study. <i>IFMBE Proceedings</i> , 2021, , 1004-1010.   | 0.3 | 0         |
| 5  | Gait symmetry methods: Comparison of waveform-based Methods and recommendation for use. <i>Biomedical Signal Processing and Control</i> , 2020, 55, 101643.  | 5.7 | 4         |
| 6  | Statistical analysis of the 180 degree walking turn: Common patterns, repeatability and prediction bands of turn signals. <i>Biomedical Signal Processing and Control</i> , 2020, 56, 101689.                                  | 5.7 | 3         |
| 7  | The repeatability of the instrumented timed Up & Go test: The performance of older adults and parkinsonâ€™s disease patients under different conditions. <i>Biocybernetics and Biomedical Engineering</i> , 2020, 40, 363-377. | 5.9 | 2         |
| 8  | Instrumental analysis of finger tapping reveals a novel early biomarker of parkinsonism in idiopathic rapid eye movement sleep behaviour disorder. <i>Sleep Medicine</i> , 2020, 75, 45-49.                                    | 1.6 | 12        |
| 9  | Comparative study of the substantia nigra echogenicity and 123I-Ioflupane SPECT in patients with synucleinopathies with and without REM sleep behavior disorder. <i>Sleep Medicine</i> , 2020, 70, 116-123.                    | 1.6 | 3         |
| 10 | Instrumental Analysis of Gait Abnormalities in Idiopathic Rapid Eye Movement Sleep Behavior Disorder. <i>Movement Disorders</i> , 2020, 35, 193-195.   | 3.9 | 3         |
| 11 | Application of Spike Sorting Algorithm to Neuronal Signals Originated from Boron Doped Diamond Micro-Electrode Arrays. <i>Physiological Research</i> , 2020, 69, 529-536.  | 0.9 | 4         |
| 12 | Agreement between the GAITRite <sup>®</sup> System and the Wearable Sensor BTS G-Walk <sup>®</sup> for measurement of gait parameters in healthy adults and Parkinsonâ€™s disease patients. <i>PeerJ</i> , 2020, 8, e8835.     | 2.0 | 25        |
| 13 | Split-Belt Treadmill to Study Reactive Responses to Unexpected Gait Perturbation. <i>IFMBE Proceedings</i> , 2019, , 579-582.  | 0.3 | 1         |
| 14 | Automated Neurons Recognition and Sorting for Diamond Based Microelectrode Arrays Recording: A Feasibility Study. <i>IFMBE Proceedings</i> , 2019, , 281-286.  | 0.3 | 1         |
| 15 | Relations of non-motor symptoms and dopamine transporter binding in REM sleep behavior disorder. <i>Scientific Reports</i> , 2019, 9, 15463.   | 3.3 | 26        |
| 16 | Microelectrode Neuronal Activity of the Internal Globus Pallidus in Dystonia Correlates with Postoperative Neuromodulation Effects and Placement of the Stimulation Electrode. <i>Irbm</i> , 2019, 40, 193-200.                | 5.6 | 2         |
| 17 | Waveform skewness: Parameter for timed Up & Go turn assessment. <i>Biomedical Signal Processing and Control</i> , 2019, 52, 347-352.   | 5.7 | 2         |
| 18 | Extended Timed Up & Go test: Is walking forward and returning back to the chair equivalent gait?. <i>Journal of Biomechanics</i> , 2019, 89, 110-114.  | 2.1 | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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         |
| 20 | 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         |
| 21 | 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        |
| 22 | Wave Kurtosis: A Novel, Specific Parameter for TUG-Turn Quantification. IFMBE Proceedings, 2019, , 339-343.   | 0.3 | 0         |
| 23 | System for Motor Evoked Potentials Acquisition and Analysis. IFMBE Proceedings, 2019, , 87-91.  | 0.3 | 0         |
| 24 | Can Sit-to-walk Assessment Maximize Instrumented Timed Up & Go Test Output?. , 2019, , .  |     | 0         |
| 25 | Analysis of Neural Activity of the Human Basal Ganglia in Dystonia: a Review. Lekar A Technika, 2019, 49, 66-71.  | 0.1 | 1         |
| 26 | Gait symmetry measures: A review of current and prospective methods. Biomedical Signal Processing and Control, 2018, 42, 89-100.  | 5.7 | 110       |
| 27 | Microelectrode Neuronal Activity Biomarker of the Internal Globus Pallidus in Dystonia Correlates with Long-term Neuromodulation Effects. , 2018, , .   |     | 1         |
| 28 | P 024 - Near-infrared spectroscopy patterns of cortical activity during gait in Parkinson's disease patients treated with DBS STN. Gait and Posture, 2018, 65, 273-275.                                 | 1.4 | 1         |
| 29 | Empowering lower limbs exoskeletons: state-of-the-art. Robotica, 2018, 36, 1743-1756.   | 1.9 | 18        |
| 30 | A New Approach to Gait Variability Quantification using Cyclograms. , 2018, , .   |     | 1         |
| 31 | Comparative analysis of speech impairment and upper limb motor dysfunction in Parkinson's disease. Journal of Neural Transmission, 2017, 124, 463-470.  | 2.8 | 15        |
| 32 | Evaluation of movement of patients with Parkinson's disease using wearable MoCap system and bilateral cyclograms. , 2017, , .   |     | 1         |
| 33 | BradykAn: A motion capture system for objectification of hand motor tests in Parkinson Disease. , 2017, , .   |     | 6         |
| 34 | C11...Behavioural studies in Libechov minipigs with huntington's disease; changes in behaviour, motor skills and learning. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A30.2-A30.      | 1.9 | 0         |
| 35 | Tests of manual dexterity and speed in Parkinson's disease: Not all measure the same. Parkinsonism and Related Disorders, 2016, 28, 118-123.  | 2.2 | 32        |
| 36 | Digital Wireless Craniocorpography with Sidelong Scanning by TV Fisheye Camera. IFMBE Proceedings, 2009, , 102-105.   | 0.3 | 2         |

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|----|--|-----|-----------|
| 37 | Parametric Representation of Hand Movement in Parkinson's Disease. IFMBE Proceedings, 2009, , 85-88. | 0.3 | 0         |
| 38 | Contactless head posture measurement. IFMBE Proceedings, 2009, , 93-96.                              | 0.3 | 0         |