

# Johannes P Van Dijk

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,481  
citations

304701

22  
h-index

330122

37  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative muscle ultrasound is a promising longitudinal follow-up tool in Duchenne muscular dystrophy. <i>Neuromuscular Disorders</i> , 2012, 22, 306-317.	0.6	128
2	Using two-dimensional spatial information in decomposition of surface EMG signals. <i>Journal of Electromyography and Kinesiology</i> , 2007, 17, 535-548.	1.7	124
3	Quantitative gray-scale analysis in skeletal muscle ultrasound: A comparison study of two ultrasound devices. <i>Muscle and Nerve</i> , 2009, 39, 781-786.	2.2	107
4	Topographical Characteristics of Motor Units of the Lower Facial Musculature Revealed by Means of High-Density Surface EMG. <i>Journal of Neurophysiology</i> , 2006, 95, 342-354.	1.8	79
5	Motor unit number index (MUNIX) versus motor unit number estimation (MUNE): A direct comparison in a longitudinal study of ALS patients. <i>Clinical Neurophysiology</i> , 2012, 123, 1644-1649.	1.5	77
6	Multimodal nocturnal seizure detection in a residential care setting. <i>Neurology</i> , 2018, 91, e2010-e2019.	1.1	72
7	Dynamic imaging of skeletal muscle contraction in three orthogonal directions. <i>Journal of Applied Physiology</i> , 2010, 109, 906-915.	2.5	68
8	Muscles alive: Ultrasound detects fibrillations. <i>Clinical Neurophysiology</i> , 2009, 120, 932-936.	1.5	55
9	Quantitative facial muscle ultrasound: Feasibility and reproducibility. <i>Muscle and Nerve</i> , 2013, 48, 375-380.	2.2	50
10	Motor unit number estimation using high-density surface electromyography. <i>Clinical Neurophysiology</i> , 2008, 119, 33-42.	1.5	49
11	Assessment of respiratory effort during sleep: Esophageal pressure versus noninvasive monitoring techniques. <i>Sleep Medicine Reviews</i> , 2015, 24, 28-36.	8.5	49
12	Automatic sleep staging using heart rate variability, body movements, and recurrent neural networks in a sleep disordered population. <i>Sleep</i> , 2020, 43, .	1.1	46
13	Motor Unit Number Index (MUNIX): Reference values of five different muscles in healthy subjects from a multi-centre study. <i>Clinical Neurophysiology</i> , 2011, 122, 1895-1898.	1.5	43
14	Multimodal, automated detection of nocturnal motor seizures at home: Is a reliable seizure detector feasible?. <i>Epilepsia Open</i> , 2017, 2, 424-431.	2.4	38
15	The Role of Central and Peripheral Muscle Fatigue in Postcancer Fatigue: A Randomized Controlled Trial. <i>Journal of Pain and Symptom Management</i> , 2015, 49, 173-182.	1.2	33
16	Monitoring disease progression using high-density motor unit number estimation in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2010, 42, 239-244.	2.2	32
17	Protocol of the SOMNIA project: an observational study to create a neurophysiological database for advanced clinical sleep monitoring. <i>BMJ Open</i> , 2019, 9, e030996.	1.9	32
18	Optimal placement of bipolar surface EMG electrodes in the face based on single motor unit analysis. <i>Psychophysiology</i> , 2010, 47, 299-314.	2.4	31

#	ARTICLE	IF	CITATIONS
19	It is All in the Wrist: Wearable Sleep Staging in a Clinical Population versus Reference Polysomnography. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 885-897.	2.7	31
20	Motor unit action potential topography and its use in motor unit number estimation. <i>Muscle and Nerve</i> , 2005, 32, 280-291.	2.2	30
21	Motor unit tracking with high-density surface EMG. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 920-930.	1.7	27
22	Inter-operator agreement in decomposition of motor unit firings from high-density surface EMG. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 652-661.	1.7	26
23	Camera-Based Vital Signs Monitoring During Sleep – A Proof of Concept Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 1409-1418.	6.3	22
24	Seizure pattern-specific epileptic epoch detection in patients with intellectual disability. <i>Biomedical Signal Processing and Control</i> , 2017, 35, 38-49.	5.7	20
25	Modeling sleep onset misperception in insomnia. <i>Sleep</i> , 2020, 43, .	1.1	20
26	A new and fast approach towards sEMG decomposition. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 593-605.	2.8	19
27	Quantitative muscle ultrasound and quadriceps strength in patients with post-polio syndrome. <i>Muscle and Nerve</i> , 2015, 51, 24-29.	2.2	18
28	Recurrent Neural Network for Classification of Snoring and Non-Snoring Sound Events. , 2018, 2018, 328-331.		18
29	Audio-based snore detection using deep neural networks. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 200, 105917.	4.7	18
30	A broadband method of quantifying phase synchronization for discriminating seizure EEG signals. <i>Biomedical Signal Processing and Control</i> , 2019, 52, 371-383.	5.7	15
31	Assessment of the reliability of the motor unit size index (MUSIX) in single subject –round-robin– and multi-centre settings. <i>Clinical Neurophysiology</i> , 2019, 130, 666-674.	1.5	13
32	Effect of small motor unit potentials on the motor unit number estimate. <i>Muscle and Nerve</i> , 2008, 38, 887-892.	2.2	12
33	Estimation of the apnea-hypopnea index in a heterogeneous sleep-disordered population using optimised cardiovascular features. <i>Scientific Reports</i> , 2019, 9, 17448.	3.3	12
34	Model-Based Evaluation of Methods for Respiratory Sinus Arrhythmia Estimation. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1882-1893.	4.2	12
35	Comparative Review of the Algorithms for Removal of Electrocardiographic Interference from Trunk Electromyography. <i>Sensors</i> , 2020, 20, 4890.	3.8	11
36	Singular Value Decomposition for Removal of Cardiac Interference from Trunk Electromyogram. <i>Sensors</i> , 2021, 21, 573.	3.8	9

#	ARTICLE	IF	CITATIONS
37	EEG-based seizure detection in patients with intellectual disability: Which EEG and clinical factors are important?. Biomedical Signal Processing and Control, 2019, 49, 404-418.	5.7	8
38	Maintaining Constant Voluntary Force in Generalized Myotonia Despite Muscle Membrane Disturbances: Insights from a High-Density Surface EMG Study. Journal of Clinical Neurophysiology, 2004, 21, 114-123.	1.7	7
39	False alarms reduction in non-convulsive status epilepticus detection via continuous EEG analysis. Physiological Measurement, 2020, 41, 055009.	2.1	7
40	A Two-Layer Ensemble Method for Detecting Epileptic Seizures Using a Self-Annotation Bracelet With Motor Sensors. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	6
41	Automated way to obtain motor units' signatures and estimate their firing patterns during voluntary contractions using HD-sEMG. , 2011, 2011, 4090-3.		3
42	Response to Letter-to-Editor by M. Tenhunen and S. Himanen: "Assessment of respiratory effort during sleep: Esophageal pressure versus noninvasive monitoring techniques" Sleep Medicine Reviews, 2015, 24, 105.	8.5	0