

# Daniel Novák

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

744  
citations

566801

15  
h-index

580395

25  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1327  
citing authors

#	ARTICLE	IF	CITATIONS
1	ITAREPS: Information Technology Aided Relapse Prevention Programme in Schizophrenia. Schizophrenia Research, 2008, 98, 312-317.	1.1	116
2	Perioperative Tight Glucose Control Reduces Postoperative Adverse Events in Nondiabetic Cardiac Surgery Patients. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3081-3089.	1.8	67
3	Performance comparison of extracellular spike sorting algorithms for single-channel recordings. Journal of Neuroscience Methods, 2012, 203, 369-376.	1.3	64
4	Diaphragm Postural Function Analysis Using Magnetic Resonance Imaging. PLoS ONE, 2013, 8, e56724.	1.1	50
5	Distinct populations of neurons respond to emotional valence and arousal in the human subthalamic nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3116-3121.	3.3	48
6	Endocrine effects of duodenal-jejunal exclusion in obese patients with type 2 diabetes mellitus. Journal of Endocrinology, 2016, 231, 11-22.	1.2	36
7	Dynamic Approximate Entropy Electroanatomic Maps Detect Rotors in a Simulated Atrial Fibrillation Model. PLoS ONE, 2014, 9, e114577.	1.1	33
8	Metabolomic profiling of urinary changes in mice with monosodium glutamate-induced obesity. Analytical and Bioanalytical Chemistry, 2016, 408, 567-578.	1.9	26
9	Classification of Actigraphy Records from Bipolar Disorder Patients Using Slope Entropy: A Feasibility Study. Entropy, 2020, 22, 1243.	1.1	20
10	Low-cost motivated rehabilitation system for post-operation exercises. , 2006, Suppl, 6663-6.		19
11	Serum Preadipocyte Factor-1 Concentrations in Females with Obesity and Type 2 Diabetes Mellitus: The Influence of Very Low Calorie Diet, Acute Hyperinsulinemia, and Fenofibrate Treatment. Hormone and Metabolic Research, 2013, 45, 820-826.	0.7	18
12	Characterization of Complex Fractionated Atrial Electrograms by Sample Entropy: An International Multi-Center Study. Entropy, 2015, 17, 7493-7509.	1.1	18
13	Methods for automatic detection of artifacts in microelectrode recordings. Journal of Neuroscience Methods, 2017, 290, 39-51.	1.3	18
14	Multifractal analysis for grading complex fractionated electrograms in atrial fibrillation. Physiological Measurement, 2015, 36, 2269-2284.	1.2	17
15	Strategy for NMR metabolomic analysis of urine in mouse models of obesity from sample collection to interpretation of acquired data. Journal of Pharmaceutical and Biomedical Analysis, 2015, 115, 225-235.	1.4	17
16	Wrapper feature selection for small sample size data driven by complete error estimates. Computer Methods and Programs in Biomedicine, 2012, 108, 138-150.	2.6	15
17	Brain Networks of Maintenance, Inhibition and Disinhibition During Working Memory. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1518-1527.	2.7	13
18	Basal Ganglia Neuronal Activity during Scanning Eye Movements in Parkinson's Disease. PLoS ONE, 2013, 8, e78581.	1.1	13

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19	Characterization of Artifact Influence on the Classification of Glucose Time Series Using Sample Entropy Statistics. <i>Entropy</i> , 2018, 20, 871.	1.1	12
20	The influence of deep hypothermia on inflammatory status, tissue hypoxia and endocrine function of adipose tissue during cardiac surgery. <i>Cryobiology</i> , 2014, 68, 269-275.	0.3	11
21	Analysis of actigraph parameters for relapse prediction in bipolar disorder: A feasibility study. , 2014, 2014, 4972-5.		9
22	Sample Entropy Analysis of Noisy Atrial Electrograms during Atrial Fibrillation. <i>Computational and Mathematical Methods in Medicine</i> , 2018, 2018, 1-8.	0.7	9
23	Motor activity patterns can distinguish between interepisode bipolar disorder patients and healthy controls. <i>CNS Spectrums</i> , 2022, 27, 82-92.	0.7	9
24	Measuring body temperature time series regularity using approximate entropy and sample entropy. , 2009, 2009, 3461-4.		8
25	Diabetes management in OLDES project. , 2009, 2009, 7228-31.		7
26	The dynamic biometric signature "Is the biometric data in the created signature constant?". , 2015, , .		7
27	Optimization of Parkinson Disease treatment combining anti-Parkinson drugs and deep brain stimulation using patient diaries. , 2015, 2015, 3444-7.		6
28	Hidden Markov models for analysis of eye movements of dyslexic children. , 2013, , .		5
29	Feature subset selection and classification of intracardiac electrograms during atrial fibrillation. <i>Biomedical Signal Processing and Control</i> , 2017, 38, 182-190.	3.5	5
30	Topography of emotional valence and arousal within the motor part of the subthalamic nucleus in Parkinson's disease. <i>Scientific Reports</i> , 2019, 9, 19924.	1.6	5
31	Preclustering of Electrocardiographic Signals Using Left-to-Right Hidden Markov Models. <i>Lecture Notes in Computer Science</i> , 2004, , 939-947.	1.0	4
32	Discrimination of endocardial electrogram disorganization using a signal regularity analysis. , 2009, 2009, 1812-5.		4
33	Identifying number of neurons in extracellular recording. , 2009, , .		4
34	Supervised segmentation of microelectrode recording artifacts using power spectral density. , 2015, 2015, 1524-7.		4
35	Comparing Reminders Sent via SMS Text Messaging and Email for Improving Adherence to an Electronic Health Program: Randomized Controlled Trial. <i>JMIR MHealth and UHealth</i> , 2022, 10, e31040.	1.8	4
36	Morphology analysis of physiological signals using hidden Markov models. , 2004, , .		3

#	ARTICLE	IF	CITATIONS
37	Influence of glucometric "dynamical" variables on duodenal-jejunal bypass liner (DJBL) anthropometric and metabolic outcomes. Diabetes/Metabolism Research and Reviews, 2020, 36, e3287.	1.7	3
38	Constraints in Particle Swarm Optimization of Hidden Markov Models. Lecture Notes in Computer Science, 2006, , 1399-1406.	1.0	3
39	Probabilistic Model of Neuronal Background Activity in Deep Brain Stimulation Trajectories. Lecture Notes in Computer Science, 2016, , 97-111.	1.0	2
40	Clustering Improvement for Electrocardiographic Signals. Lecture Notes in Computer Science, 2005, , 892-899.	1.0	2
41	Diaphragm postural function analysis using magnetic resonance. , 2010, , .		1
42	Mobiab system for diabetes mellitus compensation. , 2015, , .		1
43	Influence of Duodenal-jejunal Implantation on Glucose Dynamics: A Pilot Study Using Different Nonlinear Methods. Complexity, 2019, 2019, 1-10.	0.9	1
44	Does IT Bring Hope for Wellbeing?. , 2013, , 270-302.		1
45	Image-Based Subthalamic Nucleus Segmentation for Deep Brain Surgery with Electrophysiology Aided Refinement. Lecture Notes in Computer Science, 2020, , 34-43.	1.0	1
46	Case studies of students' involvement in research. , 2013, , .		0
47	Strong Identification and Authentication Using Dynamic Biometric Signature. Lecture Notes in Electrical Engineering, 2015, , 1245-1252.	0.3	0
48	Evaluation of diabetes mellitus compensation after one year of using Mobiab system. , 2016, 2016, 6002-6005.		0
49	Recent Improvements on Complexity Measures for Time Series. Complexity, 2019, 2019, 1-2.	0.9	0
50	Validity of the Aktibipo Self-rating Questionnaire for the Digital Self-assessment of Mood and Relapse Detection in Patients With Bipolar Disorder: Instrument Validation Study. JMIR Mental Health, 2021, 8, e26348.	1.7	0
51	Managing Diabetes Using Mobiab: Long-Term Case Study of the Impact of a Mobile App on Self-management. JMIR Diabetes, 2022, 7, e36675.	0.9	0