

# Daniel Novk

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

544  
citations

13  
h-index

22  
g-index

60  
ext. papers

663  
ext. citations

2.7  
avg, IF

3.27  
L-index

#	Paper	IF	Citations
54	ITAREPS: information technology aided relapse prevention programme in schizophrenia. <i>Schizophrenia Research</i> , <b>2008</b> , 98, 312-7	3.6	98
53	Performance comparison of extracellular spike sorting algorithms for single-channel recordings. <i>Journal of Neuroscience Methods</i> , <b>2012</b> , 203, 369-76	3	50
52	Perioperative Tight Glucose Control Reduces Postoperative Adverse Events in Nondiabetic Cardiac Surgery Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2015</b> , 100, 3081-9	5.6	49
51	Distinct populations of neurons respond to emotional valence and arousal in the human subthalamic nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 3116-21	11.5	33
50	Dynamic approximate entropy electroanatomic maps detect rotors in a simulated atrial fibrillation model. <i>PLoS ONE</i> , <b>2014</b> , 9, e114577	3.7	28
49	Diaphragm postural function analysis using magnetic resonance imaging. <i>PLoS ONE</i> , <b>2013</b> , 8, e56724	3.7	27
48	Endocrine effects of duodenal-jejunal exclusion in obese patients with type 2 diabetes mellitus. <i>Journal of Endocrinology</i> , <b>2016</b> , 231, 11-22	4.7	26
47	Metabolomic profiling of urinary changes in mice with monosodium glutamate-induced obesity. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 567-78	4.4	23
46	Strategy for NMR metabolomic analysis of urine in mouse models of obesity--from sample collection to interpretation of acquired data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2015</b> , 115, 225-35	3.5	15
45	Multifractal analysis for grading complex fractionated electrograms in atrial fibrillation. <i>Physiological Measurement</i> , <b>2015</b> , 36, 2269-84	2.9	15
44	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. <i>Hormone and Metabolic Research</i> , <b>2013</b> , 45, 820-6	3.1	15
43	Methods for automatic detection of artifacts in microelectrode recordings. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 290, 39-51	3	14
42	Characterization of Complex Fractionated Atrial Electrograms by Sample Entropy: An International Multi-Center Study. <i>Entropy</i> , <b>2015</b> , 17, 7493-7509	2.8	13
41	Wrapper feature selection for small sample size data driven by complete error estimates. <i>Computer Methods and Programs in Biomedicine</i> , <b>2012</b> , 108, 138-50	6.9	13
40	Low-cost motivated rehabilitation system for post-operation exercises. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2006</b> , Suppl, 6663-6		13
39	Basal ganglia neuronal activity during scanning eye movements in Parkinson's disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e78581	3.7	11
38	The influence of deep hypothermia on inflammatory status, tissue hypoxia and endocrine function of adipose tissue during cardiac surgery. <i>Cryobiology</i> , <b>2014</b> , 68, 269-75	2.7	10

37	Sample Entropy Analysis of Noisy Atrial Electrograms during Atrial Fibrillation. <i>Computational and Mathematical Methods in Medicine</i> , <b>2018</b> , 2018, 1874651	2.8	9
36	Measuring body temperature time series regularity using Approximate Entropy and Sample Entropy. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 3461-4	0.9	8
35	Analysis of actigraph parameters for relapse prediction in bipolar disorder: a feasibility study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2014</b> , 2014, 4972-5	0.9	6
34	Diabetes management in OLDES project. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 7228-31	0.9	6
33	Classification of Actigraphy Records from Bipolar Disorder Patients Using Slope Entropy: A Feasibility Study. <i>Entropy</i> , <b>2020</b> , 22,	2.8	6
32	Characterization of Artifact Influence on the Classification of Glucose Time Series Using Sample Entropy Statistics. <i>Entropy</i> , <b>2018</b> , 20,	2.8	6
31	Feature subset selection and classification of intracardiac electrograms during atrial fibrillation. <i>Biomedical Signal Processing and Control</i> , <b>2017</b> , 38, 182-190	4.9	5
30	Hidden Markov models for analysis of eye movements of dyslexic children <b>2013</b> ,		4
29	Supervised segmentation of microelectrode recording artifacts using power spectral density. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 1524-7	0.9	4
28	Discrimination of endocardial electrogram disorganization using a signal regularity analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 1812-5	0.9	4
27	Identifying number of neurons in extracellular recording <b>2009</b> ,		4
26	Motor activity patterns can distinguish between interepisode bipolar disorder patients and healthy controls. <i>CNS Spectrums</i> , <b>2020</b> , 1-11	1.8	4
25	Brain Networks of Maintenance, Inhibition and Disinhibition During Working Memory. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2020</b> , 28, 1518-1527	4.8	3
24	The dynamic biometric signature Is the biometric data in the created signature constant? <b>2015</b> ,		3
23	Morphology analysis of physiological signals using hidden Markov models <b>2004</b> ,		3
22	Preclustering of Electrocardiographic Signals Using Left-to-Right Hidden Markov Models. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 939-947	0.9	3
21	Optimization of Parkinson Disease treatment combining anti-Parkinson drugs and deep brain stimulation using patient diaries. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 3444-7	0.9	2
20	Clustering Improvement for Electrocardiographic Signals. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 892-899		2

19	Mobiab system for diabetes mellitus compensation <b>2015</b> ,		1
18	Diaphragm postural function analysis using magnetic resonance <b>2010</b> ,		1
17	Automated Atlas Fitting for Deep Brain Stimulation Surgery Based on Microelectrode Neuronal Recordings. <i>IFMBE Proceedings</i> , <b>2019</b> , 105-111	0.2	1
16	Influence of glucometric dynamical variables on duodenal-jejunal bypass liner (DJBL) anthropometric and metabolic outcomes. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2020</b> , 36, e3287	7.5	1
15	Probabilistic Model of Neuronal Background Activity in Deep Brain Stimulation Trajectories. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 97-111	0.9	1
14	Topography of emotional valence and arousal within the motor part of the subthalamic nucleus in Parkinson's disease. <i>Scientific Reports</i> , <b>2019</b> , 9, 19924	4.9	1
13	Fusion of Microelectrode Neuronal Recordings and MRI Landmarks for Automatic Atlas Fitting in Deep Brain Stimulation Surgery. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 175-183	0.9	1
12	Constraints in Particle Swarm Optimization of Hidden Markov Models. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1399-1406	0.9	1
11	Does IT Bring Hope for Wellbeing? <b>2013</b> , 270-302		0
10	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> , <b>2022</b> , 10, e31040	5.5	0
9	Influence of Duodenal-jejunal Implantation on Glucose Dynamics: A Pilot Study Using Different Nonlinear Methods. <i>Complexity</i> , <b>2019</b> , 2019, 1-10	1.6	
8	Strong Identification and Authentication Using Dynamic Biometric Signature. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 1245-1252	0.2	
7	Evaluation of diabetes mellitus compensation after one year of using Mobiab system. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 6002-6005	0.9	
6	Recent Improvements on Complexity Measures for Time Series. <i>Complexity</i> , <b>2019</b> , 2019, 1-2	1.6	
5	Image-Based Subthalamic Nucleus Segmentation for Deep Brain Surgery with Electrophysiology Aided Refinement. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 34-43	0.9	
4	Analysis of Vestibular-Ocular Reflex by Evolutionary Framework. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 452-461	0.9	
3	Analysis of Human Brain NMR Spectra in Vivo Using Artificial Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 517-526	0.9	
2	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. <i>JMIR Mental Health</i> , <b>2021</b> , 8, e26348	6	

- 1 Managing Diabetes Using Mobiab: Long-Term Case Study of the Impact of a Mobile App on Self-management.. *JMIR Diabetes*, **2022**, 7, e36675 2.7