

# Daniel Novk

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/955558/daniel-novak-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Managing Diabetes Using Mobiab: Long-Term Case Study of the Impact of a Mobile App on Self-management.. <i>JMIR Diabetes</i> , <b>2022</b> , 7, e36675	2.7	
53	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
52	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	
51	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
50	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	
49	Influence of glucometric and 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
48	Classification of Actigraphy Records from Bipolar Disorder Patients Using Slope Entropy: A Feasibility Study. <i>Entropy</i> , <b>2020</b> , 22,	2.8	6
47	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
46	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	
45	Recent Improvements on Complexity Measures for Time Series. <i>Complexity</i> , <b>2019</b> , 2019, 1-2	1.6	
44	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
43	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
42	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
41	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
40	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
39	Methods for automatic detection of artifacts in microelectrode recordings. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 290, 39-51	3	14
38	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

37	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
36	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	
35	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
34	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
33	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
32	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
31	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
30	Strong Identification and Authentication Using Dynamic Biometric Signature. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 1245-1252	0.2	
29	Multifractal analysis for grading complex fractionated electrograms in atrial fibrillation. <i>Physiological Measurement</i> , <b>2015</b> , 36, 2269-84	2.9	15
28	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
27	Mobiab system for diabetes mellitus compensation <b>2015</b> ,		1
26	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
25	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
24	The dynamic biometric signature Is the biometric data in the created signature constant? <b>2015</b> ,		3
23	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
22	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
21	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
20	Hidden Markov models for analysis of eye movements of dyslexic children <b>2013</b> ,		4

19	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
18	Diaphragm postural function analysis using magnetic resonance imaging. <i>PLoS ONE</i> , <b>2013</b> , 8, e56724	3.7	27
17	Basal ganglia neuronal activity during scanning eye movements in Parkinson's disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e78581	3.7	11
16	Does IT Bring Hope for Wellbeing? <b>2013</b> , 270-302		0
15	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
14	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
13	Diaphragm postural function analysis using magnetic resonance <b>2010</b> ,		1
12	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
11	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
10	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
9	Identifying number of neurons in extracellular recording <b>2009</b> ,		4
8	ITAREPS: information technology aided relapse prevention programme in schizophrenia. <i>Schizophrenia Research</i> , <b>2008</b> , 98, 312-7	3.6	98
7	Analysis of Vestibular-Ocular Reflex by Evolutionary Framework. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 452-461	0.9	
6	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	
5	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
4	Constraints in Particle Swarm Optimization of Hidden Markov Models. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1399-1406	0.9	1
3	Clustering Improvement for Electrocardiographic Signals. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 892-899		2
2	Morphology analysis of physiological signals using hidden Markov models <b>2004</b> ,		3

- 1 Preclustering of Electrocardiographic Signals Using Left-to-Right Hidden Markov Models. *Lecture Notes in Computer Science*, **2004**, 939-947 0.9 3