Daniel NovÃk

List of Publications by Year
in descending order

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	Motor activity patterns can distinguish between interepisode bipolar disorder patients and healthy controls. CNS Spectrums, 2022, 27, 82-92.	0.7	9
2	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
3	Comparing Reminders Sent via SMS Text Messaging and Email for Improving Adherence to an Electronic Health Program: Randomized Controlled Trial. JMIR MHealth and UHealth, 2022, 10, e31040.	1.8	4
4	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
5	Influence of glucometric â€˜dynamicalâ€™ variables on duodenalâ€jejunal bypass liner (DJBL) anthropometric and metabolic outcomes. Diabetes/Metabolism Research and Reviews, 2020, 36, e3287.	1.7	3
6	Classification of Actigraphy Records from Bipolar Disorder Patients Using Slope Entropy: A Feasibility Study. Entropy, 2020, 22, 1243.	1.1	20
7	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
8	Image-Based Subthalamic Nucleus Segmentation for Deep Brain Surgery with Electrophysiology Aided Refinement. Lecture Notes in Computer Science, 2020, , 34-43.	1.0	1
9	Recent Improvements on Complexity Measures for Time Series. Complexity, 2019, 2019, 1-2.	0.9	0
10	Influence of Duodenalâ€"Jejunal Implantation on Glucose Dynamics: A Pilot Study Using Different Nonlinear Methods. Complexity, 2019, 2019, 1-10.	0.9	1
11	Topography of emotional valence and arousal within the motor part of the subthalamic nucleus in Parkinsonâ€™s disease. Scientific Reports, 2019, 9, 19924.	1.6	5
12	Characterization of Artifact Influence on the Classification of Glucose Time Series Using Sample Entropy Statistics. Entropy, 2018, 20, 871.	1.1	12
13	Sample Entropy Analysis of Noisy Atrial Electrograms during Atrial Fibrillation. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-8.	0.7	9
14	Methods for automatic detection of artifacts in microelectrode recordings. Journal of Neuroscience Methods, 2017, 290, 39-51.	1.3	18
15	Feature subset selection and classification of intracardiac electrograms during atrial fibrillation. Biomedical Signal Processing and Control, 2017, 38, 182-190.	3.5	5
16	Probabilistic Model of Neuronal Background Activity in Deep Brain Stimulation Trajectories. Lecture Notes in Computer Science, 2016, , 97-111.	1.0	2
17	Endocrine effects of duodenalâ€"jejunal exclusion in obese patients with type 2 diabetes mellitus. Journal of Endocrinology, 2016, 231, 11-22.	1.2	36
18	Evaluation of diabetes mellitus compensation after one year of using Mobiab system. , 2016, 2016, 6002-6005.		0

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19	Metabolomic profiling of urinary changes in mice with monosodium glutamate-induced obesity. Analytical and Bioanalytical Chemistry, 2016, 408, 567-578.	1.9	26
20	Multifractal analysis for grading complex fractionated electrograms in atrial fibrillation. Physiological Measurement, 2015, 36, 2269-2284.	1.2	17
21	Characterization of Complex Fractionated Atrial Electrograms by Sample Entropy: An International Multi-Center Study. Entropy, 2015, 17, 7493-7509.	1.1	18
22	Mobiab system for diabetes mellitus compensation. , 2015, , .		1
23	Supervised segmentation of microelectrode recording artifacts using power spectral density. , 2015, 2015, 1524-7.		4
24	Optimization of Parkinson Disease treatment combining anti-Parkinson drugs and deep brain stimulation using patient diaries. , 2015, 2015, 3444-7.		6
25	The dynamic biometric signature â€" Is the biometric data in the created signature constant?. , 2015, , .		7
26	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
27	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
28	Strategy for NMR metabolomic analysis of urine in mouse models of obesityâ€" from sample collection to interpretation of acquired data. Journal of Pharmaceutical and Biomedical Analysis, 2015, 115, 225-235.	1.4	17
29	Strong Identification and Authentication Using Dynamic Biometric Signature. Lecture Notes in Electrical Engineering, 2015, , 1245-1252.	0.3	0
30	Analysis of actigraph parameters for relapse prediction in bipolar disorder: A feasibility study. , 2014, 2014, 4972-5.		9
31	Dynamic Approximate Entropy Electroanatomic Maps Detect Rotors in a Simulated Atrial Fibrillation Model. PLoS ONE, 2014, 9, e114577.	1.1	33
32	The influence of deep hypothermia on inflammatory status, tissue hypoxia and endocrine function of adipose tissue during cardiac surgery. Cryobiology, 2014, 68, 269-275.	0.3	11
33	Hidden Markov models for analysis of eye movements of dyslexic children. , 2013, , .		5
34	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
35	Case studies of students' involvement in research. , 2013, , .		0
36	Diaphragm Postural Function Analysis Using Magnetic Resonance Imaging. PLoS ONE, 2013, 8, e56724.	1.1	50

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37	Basal Ganglia Neuronal Activity during Scanning Eye Movements in Parkinson's Disease. PLoS ONE, 2013, 8, e78581.	1.1	13
38	Does IT Bring Hope for Wellbeing?. , 2013, , 270-302.		1
39	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
40	Performance comparison of extracellular spike sorting algorithms for single-channel recordings. Journal of Neuroscience Methods, 2012, 203, 369-376.	1.3	64
41	Diaphragm postural function analysis using magnetic resonance. , 2010, , .		1
42	Discrimination of endocardial electrogram disorganization using a signal regularity analysis. , 2009, 2009, 1812-5.		4
43	Diabetes management in OLDES project. , 2009, 2009, 7228-31.		7
44	Measuring body temperature time series regularity using approximate entropy and sample entropy. , 2009, 2009, 3461-4.		8
45	Identifying number of neurons in extracellular recording. , 2009, , .		4
46	ITAREPS: Information Technology Aided Relapse Prevention Programme in Schizophrenia. Schizophrenia Research, 2008, 98, 312-317.	1.1	116
47	Low-cost motivated rehabilitation system for post-operation exercises. , 2006, Suppl, 6663-6.		19
48	Constraints in Particle Swarm Optimization of Hidden Markov Models. Lecture Notes in Computer Science, 2006, , 1399-1406.	1.0	3
49	Clustering Improvement for Electrocardiographic Signals. Lecture Notes in Computer Science, 2005, , 892-899.	1.0	2
50	Morphology analysis of physiological signals using hidden Markov models. , 2004, , .		3
51	Preclustering of Electrocardiographic Signals Using Left-to-Right Hidden Markov Models. Lecture Notes in Computer Science, 2004, , 939-947.	1.0	4