

# Herbert F Jelinek

## List of Publications by Citations

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223  
papers

4,487  
citations

30  
h-index

61  
g-index

252  
ext. papers

5,392  
ext. citations

3.3  
avg, IF

5.74  
L-index

#	Paper	IF	Citations
223	Retinal vessel segmentation using the 2-D Gabor wavelet and supervised classification. <i>IEEE Transactions on Medical Imaging</i> , <b>2006</b> , 25, 1214-22	11.7	942
222	Quantitating the subtleties of microglial morphology with fractal analysis. <i>Frontiers in Cellular Neuroscience</i> , <b>2013</b> , 7, 3	6.1	273
221	Depression, comorbid anxiety disorders, and heart rate variability in physically healthy, unmedicated patients: implications for cardiovascular risk. <i>PLoS ONE</i> , <b>2012</b> , 7, e30777	3.7	262
220	Neurons and fractals: how reliable and useful are calculations of fractal dimensions?. <i>Journal of Neuroscience Methods</i> , <b>1998</b> , 81, 9-18	3	125
219	Use of fractal theory in neuroscience: methods, advantages, and potential problems. <i>Methods</i> , <b>2001</b> , 24, 309-21	4.6	124
218	Oxidative DNA damage and obesity in type 2 diabetes mellitus. <i>European Journal of Endocrinology</i> , <b>2011</b> , 164, 899-904	6.5	111
217	Validating retinal fundus image analysis algorithms: issues and a proposal <b>2013</b> , 54, 3546-59		110
216	Fractals in the Neurosciences, Part I: General Principles and Basic Neurosciences. <i>Neuroscientist</i> , <b>2014</b> , 20, 403-417	7.6	101
215	Points of interest and visual dictionaries for automatic retinal lesion detection. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2012</b> , 59, 2244-53	5	89
214	A Hybrid Feature Selection With Ensemble Classification for Imbalanced Healthcare Data: A Case Study for Brain Tumor Diagnosis. <i>IEEE Access</i> , <b>2016</b> , 4, 9145-9154	3.5	77
213	Identifying diabetic patients with cardiac autonomic neuropathy by heart rate complexity analysis. <i>BioMedical Engineering OnLine</i> , <b>2009</b> , 8, 3	4.1	67
212	Inflammation, coagulation, endothelial dysfunction and oxidative stress in prediabetes--Biomarkers as a possible tool for early disease detection for rural screening. <i>Clinical Biochemistry</i> , <b>2015</b> , 48, 581-5	3.5	54
211	Dye-coupling among neurons of the rat locus coeruleus during postnatal development. <i>Neuroscience</i> , <b>1993</b> , 56, 129-37	3.9	54
210	Advancing bag-of-visual-words representations for lesion classification in retinal images. <i>PLoS ONE</i> , <b>2014</b> , 9, e96814	3.7	53
209	Erythrocyte oxidative damage in chronic fatigue syndrome. <i>Archives of Medical Research</i> , <b>2007</b> , 38, 94-8	6.6	50
208	ECG Biometric with Abnormal Cardiac Conditions in Remote Monitoring System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2014</b> , 44, 1498-1509	7.3	45
207	Vitamin E supplementation during the dry period in dairy cattle. Part II: oxidative stress following vitamin E supplementation may increase clinical mastitis incidence postpartum. <i>Journal of Dairy Science</i> , <b>2010</b> , 93, 5696-706	4	44

206	Inflammation and oxidative stress markers in diabetes and hypertension. <i>Journal of Inflammation Research</i> , <b>2018</b> , 11, 61-68	4.8	43
205	Association of cardiac autonomic neuropathy with alteration of sympatho-vagal balance through heart rate variability analysis. <i>Medical Engineering and Physics</i> , <b>2010</b> , 32, 161-7	2.4	43
204	An approach for Ewing test selection to support the clinical assessment of cardiac autonomic neuropathy. <i>Artificial Intelligence in Medicine</i> , <b>2013</b> , 58, 185-93	7.4	42
203	8-Hydroxy-2-deoxy-guanosine identifies oxidative DNA damage in a rural prediabetes cohort. <i>Redox Report</i> , <b>2010</b> , 15, 155-60	5.9	40
202	Erythrocyte oxidative stress in clinical management of diabetes and its cardiovascular complications. <i>British Journal of Biomedical Science</i> , <b>2007</b> , 64, 35-43	1.6	40
201	Clinical profiles, comorbidities and complications of type 2 diabetes mellitus in patients from United Arab Emirates. <i>BMJ Open Diabetes Research and Care</i> , <b>2017</b> , 5, e000427	4.5	39
200	Identifying Common Genetic Risk Factors of Diabetic Neuropathies. <i>Frontiers in Endocrinology</i> , <b>2015</b> , 6, 88	5.7	39
199	Automated segmentation of retinal blood vessels and identification of proliferative diabetic retinopathy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2007</b> , 24, 1448-56	1.8	39
198	Cardiac autonomic dysfunction in type 2 diabetes - effect of hyperglycemia and disease duration. <i>Frontiers in Endocrinology</i> , <b>2014</b> , 5, 130	5.7	38
197	Assessing the Need for Referral in Automatic Diabetic Retinopathy Detection. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2013</b> , 60, 3391-8	5	34
196	Oxidative stress and triglycerides as predictors of subclinical atherosclerosis in prediabetes. <i>Redox Report</i> , <b>2014</b> , 19, 87-91	5.9	33
195	An automated microaneurysm detector as a tool for identification of diabetic retinopathy in rural optometric practice. <i>Australasian journal of optometry, The</i> , <b>2006</b> , 89, 299-305	2.7	32
194	An innovative Multi-disciplinary Diabetes Complications Screening Program in a Rural Community: A Description and Preliminary Results of the Screening. <i>Australian Journal of Primary Health</i> , <b>2006</b> , 12, 14	1.4	32
193	Beyond Lesion-Based Diabetic Retinopathy: A Direct Approach for Referral. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2017</b> , 21, 193-200	7.2	29
192	D-dimer identifies stages in the progression of diabetes mellitus from family history of diabetes to cardiovascular complications. <i>Pathology</i> , <b>2007</b> , 39, 252-7	1.6	29
191	Heart rate variability analysis: a useful assessment tool for diabetes associated cardiac dysfunction in rural and remote areas. <i>Australian Journal of Rural Health</i> , <b>2005</b> , 13, 77-82	1.3	28
190	Humanin: a mitochondrial signaling peptide as a biomarker for impaired fasting glucose-related oxidative stress. <i>Physiological Reports</i> , <b>2016</b> , 4, e12796	2.6	27
189	Hyperglycaemia, oxidative stress and inflammatory markers. <i>Redox Report</i> , <b>2017</b> , 22, 257-264	5.9	27

188	Vitamin D receptor gene polymorphisms among Emirati patients with type 2 diabetes mellitus. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2018</b> , 175, 119-124	5.1	26
187	How to Calculate Renyi Entropy from Heart Rate Variability, and Why it Matters for Detecting Cardiac Autonomic Neuropathy. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2014</b> , 2, 34	5.8	26
186	Quantitative analysis of dendritic morphology of the fundus retinal ganglion cells in the rat: a cell classification study. <i>Journal of Theoretical Biology</i> , <b>2009</b> , 259, 142-50	2.3	24
185	Changes in the erythrocyte glutathione concentration in the course of diabetes mellitus. <i>Redox Report</i> , <b>2006</b> , 11, 99-104	5.9	24
184	Destruction by anti-NGF of autonomic, sudomotor neurones and subsequent hyperinnervation of the foot pad by sensory fibres. <i>Journal of Neuroscience Research</i> , <b>1988</b> , 19, 474-82	4.4	24
183	Fractal, multifractal, and lacunarity analysis of microglia in tissue engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 51	5.8	23
182	Association of cardiovascular risk using non-linear heart rate variability measures with the framingham risk score in a rural population. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 186	4.6	23
181	Understanding Fractal Analysis? The Case of Fractal Linguistics. <i>Complexus</i> , <b>2006</b> , 3, 66-73		23
180	Acute-Phase Inflammatory Response to Single-Bout HIIT and Endurance Training: A Comparative Study. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 5474837	4.3	23
179	Cardiac rehabilitation outcomes following a 6-week program of PCI and CABG Patients. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 302	4.6	22
178	The Vitamin E regeneration system (VERS) and an algorithm to justify antioxidant supplementation in diabetes—a hypothesis. <i>Medical Hypotheses</i> , <b>2008</b> , 70, 1002-8	3.8	21
177	Automated detection of proliferative retinopathy in clinical practice. <i>Clinical Ophthalmology</i> , <b>2008</b> , 2, 109-22	2.5	21
176	Multistage fusion approaches based on a generative model and multivariate exponentially weighted moving average for diagnosis of cardiovascular autonomic nerve dysfunction. <i>Information Fusion</i> , <b>2018</b> , 41, 105-118	16.7	21
175	Dynamics of Forest Fragmentation and Connectivity Using Particle and Fractal Analysis. <i>Scientific Reports</i> , <b>2019</b> , 9, 12228	4.9	20
174	QT variability index changes with severity of cardiovascular autonomic neuropathy. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2012</b> , 16, 900-6		20
173	Increased total heart rate variability and enhanced cardiac vagal autonomic activity in healthy humans with sinus bradycardia. <i>Baylor University Medical Center Proceedings</i> , <b>2010</b> , 23, 368-70	0.6	20
172	Predicting cardiac autonomic neuropathy category for diabetic data with missing values. <i>Computers in Biology and Medicine</i> , <b>2013</b> , 43, 1328-33	7	19
171	Glucagon like peptide-1 and its receptor agonists: Their roles in management of Type 2 diabetes mellitus. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , <b>2017</b> , 11, 225-230	8.9	19

170	Immediate and long term effects of endurance and high intensity interval exercise on linear and nonlinear heart rate variability. <i>Journal of Science and Medicine in Sport</i> , <b>2017</b> , 20, 312-316	4.4	18
169	Fractal analysis of cervical intraepithelial neoplasia. <i>PLoS ONE</i> , <b>2014</b> , 9, e108457	3.7	18
168	Machine learning and pattern classification in identification of indigenous retinal pathology. <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>2011</b> , 2011, 5951-4	0.9	18
167	Data analytics identify glycated haemoglobin co-markers for type 2 diabetes mellitus diagnosis. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 75, 90-7	7	18
166	A Comparison of Nonlinear Measures for the Detection of Cardiac Autonomic Neuropathy from Heart Rate Variability. <i>Entropy</i> , <b>2015</b> , 17, 1425-1440	2.8	17
165	Retinal Image Quality Analysis for Automatic Diabetic Retinopathy Detection <b>2012</b> ,		17
164	Risk stratification of cardiac autonomic neuropathy based on multi-lag Tone-Entropy. <i>Medical and Biological Engineering and Computing</i> , <b>2013</b> , 51, 537-46	3.1	17
163	PYRAMIDAL NEURONES IN MACAQUE VISUAL CORTEX: INTERAREAL PHENOTYPIC VARIATION OF DENDRITIC BRANCHING PATTERNS. <i>Fractals</i> , <b>2001</b> , 09, 287-295	3.2	17
162	Wavelet packet fractal analysis of neuronal morphology. <i>Methods</i> , <b>2001</b> , 24, 347-58	4.6	17
161	Fractal analysis for studying the evolution of forests. <i>Chaos, Solitons and Fractals</i> , <b>2016</b> , 91, 310-318	9.3	17
160	The morphology and classification of ganglion cells in the rat retinae: a fractal analysis study. <i>Journal of Neuroscience Methods</i> , <b>2011</b> , 201, 281-7	3	16
159	Atherothrombosis and oxidative stress: the connection and correlation in diabetes. <i>Redox Report</i> , <b>2009</b> , 14, 55-60	5.9	16
158	DENDRITIC BRANCHING PATTERNS OF PYRAMIDAL CELLS IN THE VISUAL CORTEX OF THE NEW WORLD MARMOSSET MONKEY, WITH COMPARATIVE NOTES ON THE OLD WORLD MACAQUE MONKEY. <i>Fractals</i> , <b>2001</b> , 09, 297-303	3.2	16
157	Relationship between MTHFR C677T and A1298C gene polymorphisms and complications of type 2 diabetes mellitus in an Emirati population. <i>Meta Gene</i> , <b>2016</b> , 9, 70-5	0.7	16
156	Association of Diabetes Related Complications with Heart Rate Variability among a Diabetic Population in the UAE. <i>PLoS ONE</i> , <b>2017</b> , 12, e0168584	3.7	15
155	DENDRITIC BRANCHING OF PYRAMIDAL CELLS IN THE VISUAL CORTEX OF THE NOCTURNAL OWL MONKEY: A FRACTAL ANALYSIS. <i>Fractals</i> , <b>2003</b> , 11, 391-396	3.2	14
154	Detecting Subclinical Diabetic Cardiac Autonomic Neuropathy by Analyzing Ventricular Repolarization Dynamics. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2016</b> , 20, 64-72	7.2	13
153	Citrus bioflavonoids dipeptidyl peptidase-4 inhibition compared with gliptin antidiabetic medications. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 503, 21-25	3.4	13

152	Genetic Associations With Diabetic Retinopathy and Coronary Artery Disease in Emirati Patients With Type-2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 283	5.7	12
151	Enhancing Predictive Accuracy of Cardiac Autonomic Neuropathy Using Blood Biochemistry Features and Iterative Multitier Ensembles. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2016</b> , 20, 408-15	7.2	12
150	Novel dynamic peak and distribution plantar pressure measures on diabetic patients during walking. <i>Gait and Posture</i> , <b>2017</b> , 51, 261-267	2.6	12
149	Predicting depressed patients with suicidal ideation from ECG recordings. <i>Medical and Biological Engineering and Computing</i> , <b>2017</b> , 55, 793-805	3.1	12
148	Data fusion for multi-lesion Diabetic Retinopathy detection <b>2012</b> ,		12
147	Management of hypertension in patients with diabetes mellitus. <i>Experimental and Clinical Cardiology</i> , <b>2010</b> , 15, 5-8		12
146	BOX-COUNTING ANALYSIS OF MICROGLIA FORM IN SCHIZOPHRENIA, ALZHEIMER'S DISEASE AND AFFECTIVE DISORDER. <i>Fractals</i> , <b>2008</b> , 16, 103-107	3.2	11
145	Oxidative damage indices for the assessment of subclinical diabetic macrovascular complications. <i>British Journal of Biomedical Science</i> , <b>2008</b> , 65, 136-41	1.6	11
144	Automated classification reveals morphological factors associated with dementia. <i>Applied Soft Computing Journal</i> , <b>2008</b> , 8, 182-190	7.5	11
143	A Nanowatt Real-Time Cardiac Autonomic Neuropathy Detector. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2018</b> , 12, 739-750	5.1	10
142	Prediction of game performance in Australian football using heart rate variability measures. <i>International Journal of Signal and Imaging Systems Engineering</i> , <b>2015</b> , 8, 80	3.5	10
141	Clinical and genetic associations of renal function and diabetic kidney disease in the United Arab Emirates: a cross-sectional study. <i>BMJ Open</i> , <b>2018</b> , 8, e020759	3	10
140	Effect of GABA-Fortified Oolong Tea on Reducing Stress in a University Student Cohort. <i>Frontiers in Nutrition</i> , <b>2019</b> , 6, 27	6.2	9
139	Interaction of homocysteine, glutathione and 8-hydroxy-2-Deoxyguanosine in metabolic syndrome progression. <i>Clinical Biochemistry</i> , <b>2017</b> , 50, 116-120	3.5	9
138	Analyzing Systolic-Diastolic Interval Interaction Characteristics in Diabetic Cardiac Autonomic Neuropathy Progression. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2015</b> , 3, 19005310	3	9
137	Heart rate stability and decreased parasympathetic heart rate variability in healthy young adults during perceived stress. <i>International Journal of Cardiology</i> , <b>2012</b> , 156, 337-8	3.2	9
136	Assessment of diabetic macrovascular complications: a prediabetes model. <i>British Journal of Biomedical Science</i> , <b>2010</b> , 67, 59-66	1.6	9
135	The ankle-brachial index in clinical decision making. <i>Foot</i> , <b>2006</b> , 16, 153-157	1.3	9

134	Diagnosis of oligodendroglioma: molecular and classical histological assessment in the twenty-first century. <i>Asia-Pacific Journal of Clinical Oncology</i> , <b>2012</b> , 8, 213-6	1.9	8
133	Complexity of heart rate variability in type 2 diabetes - effect of hyperglycemia. <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>2013</b> , 2013, 5558-61	0.9	8
132	Using Renyi entropy to detect early cardiac autonomic neuropathy. <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>2013</b> , 2013, 5562-5	0.9	8
131	Mathematical modelling of neuronal dendritic branching patterns in two dimensions: application to retinal ganglion cells in the cat and rat. <i>Biological Cybernetics</i> , <b>2009</b> , 100, 97-108	2.8	8
130	Increased markers of cardiac vagal activity in leucine-rich repeat kinase 2-associated Parkinson's disease. <i>Clinical Autonomic Research</i> , <b>2019</b> , 29, 603-614	4.3	7
129	Suicidal Ideation Is Associated with Altered Variability of Fingertip Photo-Plethysmogram Signal in Depressed Patients. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 501	4.6	7
128	Addressing the Complexities of Big Data Analytics in Healthcare: The Diabetes Screening Case. <i>Australasian Journal of Information Systems</i> , <b>2015</b> , 19,	1.8	7
127	Temporal dynamics of the circadian heart rate following low and high volume exercise training in sedentary male subjects. <i>European Journal of Applied Physiology</i> , <b>2015</b> , 115, 2069-80	3.4	7
126	Principal component analysis of heart rate variability data in assessing cardiac autonomic neuropathy. <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, 6667-70	0.9	7
125	Automated morphometric analysis of the cat retinal alpha/Y, beta/X and delta ganglion cells using wavelet statistical moment and clustering algorithms. <i>Journal of Integrative Neuroscience</i> , <b>2004</b> , 3, 415-32 <sup>1.5</sup>	1.5	7
124	Decision trees and multi-level ensemble classifiers for neurological diagnostics. <i>AIMS Medical Science</i> , <b>2014</b> , 1, 1-12	0.4	7
123	Assessment Methods of Post-stroke Gait: A Scoping Review of Technology-Driven Approaches to Gait Characterization and Analysis. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 650024	4.1	7
122	Estimating Left Ventricle Ejection Fraction Levels Using Circadian Heart Rate Variability Features and Support Vector Regression Models. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , 25, 746-754	7.2	7
121	Effects of Kinesiology Tape on Non-linear Center of Mass Dispersion During the Y Balance Test. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1527	4.6	7
120	Dynamic signal quality index for electrocardiograms. <i>Physiological Measurement</i> , <b>2018</b> , 39, 105008	2.9	7
119	Recent Deforestation Pattern Changes (2000-2017) in the Central Carpathians: A Gray-Level Co-Occurrence Matrix and Fractal Analysis Approach. <i>Forests</i> , <b>2019</b> , 10, 308	2.8	6
118	Implication of genetic variants in overweight and obesity susceptibility among the young Arab population of the United Arab Emirates. <i>Gene</i> , <b>2020</b> , 739, 144509	3.8	6
117	Depression and cardiac dysautonomia in eating disorders. <i>Eating and Weight Disorders</i> , <b>2018</b> , 23, 369-374.6	3.6	6

116	Richardson's Method of Segment Counting versus Box-Counting <b>2013</b> ,		6
115	Angiotensin-converting enzyme gene DD genotype is associated with increased systolic blood pressure in an Australian Rural Type 2 Diabetic Cohort. <i>Hypertension Research</i> , <b>2013</b> , 36, 381-2	4.7	6
114	Risk stratification in heart failure using <sup>123</sup> I-MIBG. <i>Journal of Nuclear Medicine Technology</i> , <b>2011</b> , 39, 295-301		6
113	Chronic high dose captopril decreases total heart rate variability and increases heart rate in C57BL/6J mice. <i>International Journal of Cardiology</i> , <b>2009</b> , 136, 211-3	3.2	6
112	Automated multi-lesion detection for referable diabetic retinopathy in indigenous health care. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127664	3.7	6
111	Multi-layer Attribute Selection and Classification Algorithm for the Diagnosis of Cardiac Autonomic Neuropathy Based on HRV Attributes. <i>AIMS Medical Science</i> , <b>2015</b> , 2, 396-409	0.4	6
110	Evolution, Ecology, and Zoonotic Transmission of Betacoronaviruses: A Review. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 644414	3.1	6
109	Box-Counting Fractal Analysis: A Primer for the Clinician. <i>Springer Series in Computational Neuroscience</i> , <b>2016</b> , 13-43	1.1	6
108	A count data model for heart rate variability forecasting and premature ventricular contraction detection. <i>Signal, Image and Video Processing</i> , <b>2017</b> , 11, 1427-1435	1.6	5
107	Multiscale analysis of tortuosity in retinal images using wavelets and fractal methods. <i>Pattern Recognition Letters</i> , <b>2015</b> , 68, 132-138	4.7	5
106	Ultrasound-mediated drug delivery by gas bubbles generated from a chemical reaction. <i>Journal of Drug Targeting</i> , <b>2018</b> , 26, 172-181	5.4	5
105	Methodological Comparisons of Heart Rate Variability Analysis in Patients With Type 2 Diabetes and Angiotensin Converting Enzyme Polymorphism. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2016</b> , 20, 55-63	7.2	5
104	The Effect of Ankle Support on Lower Limb Kinematics During the Y-Balance Test Using Non-linear Dynamic Measures. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 935	4.6	5
103	Box-Counting and Multifractal Analysis in Neuronal and Glial Classification. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 177-189	0.4	5
102	Automatic Diabetic Retinopathy detection using BossaNova representation. <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, 146-9	0.9	5
101	A continuous point measure for quantifying skull deformation in medical diagnostics. <i>Healthcare Technology Letters</i> , <b>2014</b> , 1, 56-8	1.9	5
100	Electric pulse frequency and magnitude of perceived sensation during electrocutaneous forearm stimulation. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2010</b> , 91, 1378-82	2.8	5
99	Awareness and pharmacotherapy of hypertension in a rural community. <i>Medical Principles and Practice</i> , <b>2009</b> , 18, 261-5	2.1	5



98	Diagnostic Accuracy of Random ECG in Primary Care for Early, Asymptomatic Cardiac Autonomic Neuropathy. <i>Journal of Diabetes Science and Technology</i> , <b>2017</b> , 11, 1165-1173	4.1	4
97	Electrocardiogram Derived QRS Duration >120 ms is Associated With Elevated Plasma Homocysteine Levels in a Rural Australian Cross-Sectional Population. <i>Medicine (United States)</i> , <b>2015</b> , 94, e1080	1.8	4
96	Multiscale Renyi Entropy and Cardiac Autonomic Neuropathy <b>2015</b> ,		4
95	Multi-lag HRV analysis discriminates disease progression of post-infarct people with no diabetes versus diabetes. <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> ,	0.9	4
94	Human balance responses to perturbations in the horizontal plane. <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, 4058-61	0.9	4
93	Identifying increased risk of post-infarct people with diabetes using multi-lag Tone-Entropy 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>2012</b> , 2012, 25-8	0.9	4
92	Empirical Investigation of Decision Tree Ensembles for Monitoring Cardiac Complications of Diabetes. <i>International Journal of Data Warehousing and Mining</i> , <b>2013</b> , 9, 1-18	1	4
91	Visualisation in biomedicine as a means of data evaluation. <i>Journal of Visualization</i> , <b>2011</b> , 14, 353-359	1.6	4
90	Missing Data Imputation for Individualised CVD Diagnostic and Treatment		4
89	Weka Machine Learning Classification in Identifying Autonomic Dysfunction Parameters Associated with Ace Insertion/Deletion Genotypes <b>2012</b> ,		4
88	A Clustering-Based Multi-Layer Distributed Ensemble for Neurological Diagnostics in Cloud Services. <i>IEEE Transactions on Cloud Computing</i> , <b>2020</b> , 8, 473-483	3.3	4
87	Reliability of heart-rate-variability features derived from ultra-short ECG recordings and their validity in the assessment of cardiac autonomic neuropathy. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 68, 102651	4.9	4
86	Diffusion Entropy vs. Multiscale and Rnyi Entropy to Detect Progression of Autonomic Neuropathy. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 607324	4.6	4
85	Morphology and Fractal-Based Classifications of Neurons and Microglia. <i>Springer Series in Computational Neuroscience</i> , <b>2016</b> , 91-108	1.1	3
84	Heart rate independent QT variability component can detect subclinical cardiac autonomic neuropathy in diabetes. <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, 928-931	0.9	3
83	Genetics of diabetic kidney disease: A follow-up study in the Arab population of the United Arab Emirates. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2019</b> , 7, e985	2.3	3
82	Data-analytically derived flexible HbA1c thresholds for type 2 diabetes mellitus diagnostic. <i>Artificial Intelligence Research</i> , <b>2015</b> , 5,	0.3	3
81	Effect of biosignal preprocessing and recording length on clinical decision making for cardiac autonomic neuropathy <b>2014</b> ,		3

80	Using meta-regression data mining to improve predictions of performance based on heart rate dynamics for Australian football. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 14, 81-87	7.5	3
79	Oxidative stress and cardio myocyte apoptosis: Possibility of development of myocardial disarray in diabetes. <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S109	3.7	3
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