

# Chandan Kumar Karmakar

## List of Publications by Year in Descending Order

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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.

125  
papers

1,888  
citations

21  
h-index

40  
g-index

137  
ext. papers

2,558  
ext. citations

3.3  
avg, IF

5.11  
L-index

#	Paper	IF	Citations
125	Robustness of electrocardiogram signal quality indices.. <i>Journal of the Royal Society Interface</i> , <b>2022</b> , 19, 20220012	4.1	3
124	Evaluation of Mesh and Sensor Resolution for Finite Element Modeling of Non-Invasive Fetal ECG Signals. <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>2021</b> , 2021, 4134-4138	0.9	
123	Upper limb movement profiles during spontaneous motion in acute stroke. <i>Physiological Measurement</i> , <b>2021</b> , 42,	2.9	2
122	Detection of Coronary Artery Disease Using Multi-Domain Feature Fusion of Multi-Channel Heart Sound Signals. <i>Entropy</i> , <b>2021</b> , 23,	2.8	1
121	Lempel-Ziv complexity of the pNNx statistics An application to neonatal stress. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 146, 110703	9.3	
120	A machine learning model for multi-night actigraphic detection of chronic insomnia: development and validation of a pre-screening tool. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 202264	3.3	0
119	Identifying factors that conjointly influence nicotine vaping product relative harm perception among smokers and recent ex-smokers: Findings from the 2016 ITC Four Country Smoking and Vaping Survey. <i>Drug and Alcohol Dependence</i> , <b>2021</b> , 218, 108370	4.9	1
118	Novel Measures of Similarity and Asymmetry in Upper Limb Activities for Identifying Hemiparetic Severity in Stroke Survivors. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , 25, 1964-1974	7.2	3
117	Personalized Anatomic Modeling for Noninvasive Fetal ECG: Methodology and Applications. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-12	5.2	3
116	Deep learning algorithms for cyber security applications: A survey. <i>Journal of Computer Security</i> , <b>2021</b> , 29, 447-471	0.8	4
115	Performance Analysis of Entropy Methods in Detecting Epileptic Seizure from Surface Electroencephalograms. <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>2021</b> , 2021, 6015-6018	0.9	0
114	Measures of Bipedal Toe-Ground Clearance Asymmetry to Characterize Gait in Stroke Survivors. <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>2021</b> , 2021, 6015-6018	0.9	
113	Automated Method for Detecting Acute Insomnia Using Multi-Night Actigraphy Data. <i>IEEE Access</i> , <b>2020</b> , 8, 74413-74422	3.5	7
112	Automated Scoring of Hemiparesis in Acute Stroke From Measures of Upper Limb Co-Ordination Using Wearable Accelerometry. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2020</b> , 28, 805-816	4.8	7
111	Averaging Methods using Dynamic Time Warping for Time Series Classification <b>2020</b> ,		2
110	Robust Patient Information Embedding and Retrieval Mechanism for ECG Signals. <i>IEEE Access</i> , <b>2020</b> , 8, 181233-181245	3.5	2
109	Precision psychiatry with immunological and cognitive biomarkers: a multi-domain prediction for the diagnosis of bipolar disorder or schizophrenia using machine learning. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 162	8.6	13

108	Remote health diagnosis and monitoring in the time of COVID-19. <i>Physiological Measurement</i> , <b>2020</b> , 41, 10TR01	2.9	25
107	Identifying smoker subgroups with high versus low smoking cessation attempt probability: A decision tree analysis approach. <i>Addictive Behaviors</i> , <b>2020</b> , 103, 106258	4.2	5
106	A Survey on Anomalous Behavior Detection for Elderly Care Using Dense-Sensing Networks. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 352-370	37.1	21
105	Modified Distribution Entropy as a Complexity Measure of Heart Rate Variability (HRV) Signal. <i>Entropy</i> , <b>2020</b> , 22,	2.8	2
104	Analyzing Distance Measures for Upper Limb Activity Measurement in Hemiparetic Stroke Patients. <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>2020</b> , 2020, 3735-3738	0.9	
103	Poincaré Descriptors for Identifying Hemiparesis in Acute Stroke using Wearable Accelerometry. <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>2020</b> , 2020, 588-591	0.9	1
102	Entropy Profiling for Detection of Fetal Arrhythmias in Short Length Fetal Heart Rate Recordings. <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>2020</b> , 2020, 621-624	0.9	3
101	PPG Derived Respiratory Rate Estimation in Daily living Conditions. <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>2020</b> , 2020, 2736-2739	0.9	1
100	Entropy Profiling: A Reduced-Parametric Measure of Kolmogorov-Sinai Entropy from Short-Term HRV Signal. <i>Entropy</i> , <b>2020</b> , 22,	2.8	3
99	Bivariate Entropy Analysis of Electrocardiographic RR-QT Time Series. <i>Entropy</i> , <b>2020</b> , 22,	2.8	2
98	A fusion framework based on multi-domain features and deep learning features of phonocardiogram for coronary artery disease detection. <i>Computers in Biology and Medicine</i> , <b>2020</b> , 120, 103733	7	11
97	Impacts of reference points and reference lines on the slope- and area-based heart rate asymmetry analysis. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 137, 515-526	4.6	2
96	PPG Derived Heart Rate Estimation During Intensive Physical Exercise. <i>IEEE Access</i> , <b>2019</b> , 7, 56062-56069	3.5	11
95	Selection of Empirical Mode Decomposition Techniques for Extracting Breathing Rate From PPG. <i>IEEE Signal Processing Letters</i> , <b>2019</b> , 26, 592-596	3.2	27
94	Automated Detection of Convulsive Seizures Using a Wearable Accelerometer Device. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 421-432	5	22
93	Short-term QT interval variability in patients with coronary artery disease and congestive heart failure: a comparison with healthy control subjects. <i>Medical and Biological Engineering and Computing</i> , <b>2019</b> , 57, 389-400	3.1	6
92	Multiscale entropy profiling to estimate complexity of heart rate dynamics. <i>Physical Review E</i> , <b>2019</b> , 100, 012405	2.4	4
91	Impact of ECG Dataset Diversity on Generalization of CNN Model for Detecting QRS Complex. <i>IEEE Access</i> , <b>2019</b> , 7, 93275-93285	3.5	9

90	Cross Entropy Profiling to Test Pattern Synchrony in Short-Term Signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2019</i> , 2019, 737-740	0.9	2
89	Entropy Profiling to Detect ST Change in Heart Rate Variability Signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2019</i> , 2019, 4588-4591	0.9	1
88	Validation and Acceptability of a Cuffless Wrist-Worn Wearable Blood Pressure Monitoring Device Among Users and Health Care Professionals: Mixed Methods Study. <i>JMIR MHealth and UHealth, 2019</i> , 7, e14706	5.5	15
87	A Self-Compassion Group Intervention for Patients Living With Chronic Medical Illness: Treatment Development and Feasibility Study. <i>primary care companion for CNS disorders, The, 2019</i> , 21,	1.2	4
86	Detection of Smoking Events from Confounding Activities of Daily Living <b>2019</b> ,		9
85	The Influence of Vectorcardiogram Orientation on the T/QRS Ratio Obtained Via Non-Invasive Fetal ECG. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2019</i> , 2019, 1883-1886	0.9	2
84	Sleep-Wake Classification using Statistical Features Extracted from Photoplethysmographic Signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2019</i> , 2019, 5564-5567	0.9	5
83	Novel features for capturing temporal variations of rhythmic limb movement to distinguish convulsive epileptic and psychogenic nonepileptic seizures. <i>Epilepsia, 2019</i> , 60, 165-174	6.4	5
82	Heart rate variability alterations in late life depression: A meta-analysis. <i>Journal of Affective Disorders, 2018</i> , 235, 456-466	6.6	31
81	Understanding Irregularity Characteristics of Short-Term HRV Signals Using Sample Entropy Profile. <i>IEEE Transactions on Biomedical Engineering, 2018</i> , 65, 2569-2579	5	22
80	Ensemble Empirical Mode Decomposition With Principal Component Analysis: A Novel Approach for Extracting Respiratory Rate and Heart Rate From Photoplethysmographic Signal. <i>IEEE Journal of Biomedical and Health Informatics, 2018</i> , 22, 766-774	7.2	57
79	Blockade of the angiotensin system improves mental health domain of quality of life: A meta-analysis of randomized clinical trials. <i>Australian and New Zealand Journal of Psychiatry, 2018</i> , 52, 24-38	2.6	21
78	Detection of epileptic seizure based on entropy analysis of short-term EEG. <i>PLoS ONE, 2018</i> , 13, e0193691	3.7	47
77	The Influence of Pharmacological Autonomic Blockades on Multi-Scale Measures of Heart Rate Variability. <i>IFMBE Proceedings, 2018</i> , 462-465	0.2	
76	Onset Detection of Epileptic Seizures From Accelerometry Signal. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2018</i> , 2018, 1-4	0.9	
75	Improved Detection and Classification of Convulsive Epileptic and Psychogenic Non-epileptic Seizures Using FLDA and Bayesian Inference. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2018</i> , 2018, 2102-2107	0.9	0
74	Robust Heart Rate Estimation During Physical Exercise Using Photoplethysmographic Signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2018</i> , 2018, 494-497	0.9	3
73	The effects of asymmetric volume conductor modeling on non-invasive fetal ECG extraction. <i>Physiological Measurement, 2018</i> , 39, 105013	2.9	5

72	Multi-lag tone-entropy in neonatal stress. <i>Journal of the Royal Society Interface</i> , <b>2018</b> , 15,	4.1	4
71	Does the Temporal Asymmetry of Short-Term Heart Rate Variability Change during Regular Walking? A Pilot Study of Healthy Young Subjects. <i>Computational and Mathematical Methods in Medicine</i> , <b>2018</b> , 2018, 3543048	2.8	10
70	Approximate entropy profile: a novel approach to comprehend irregularity of short-term HRV signal. <i>Nonlinear Dynamics</i> , <b>2017</b> , 88, 823-837	5	24
69	Secondary measures of regularity from an entropy profile in detecting Arrhythmia. <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>2017</b> , 2017, 3485-3488	0.9	2
68	Modified thresholding technique of MMSPCA for extracting respiratory activity from short length PPG signal. <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>2017</b> , 2017, 1804-1807	0.9	1
67	Detection of generalized tonic-clonic seizures using short length accelerometry signal. <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>2017</b> , 2017, 4566-4569	0.9	7
66	Non-invasive sensor based automated smoking activity detection. <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>2017</b> , 2017, 845-848	0.9	16
65	Increased beat-to-beat variation in diastolic phase percentages in patients with congestive heart failure. <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>2017</b> , 2017, 1328-1331	0.9	1
64	Area asymmetry of heart rate variability signal. <i>BioMedical Engineering OnLine</i> , <b>2017</b> , 16, 112	4.1	16
63	Stability, Consistency and Performance of Distribution Entropy in Analysing Short Length Heart Rate Variability (HRV) Signal. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 720	4.6	16
62	Monitoring Patients during Neurorehabilitation Following Central or Peripheral Nervous System Injury: Dynamic Difficulty Adaptation <b>2017</b> , 281-296		1
61	ToneEntropy Analysis of Heart Rate Variability in Cardiac Autonomic Neuropathy <b>2017</b> , 227-248		
60	C-reactive protein concentrations across the mood spectrum in bipolar disorder: a systematic review and meta-analysis. <i>Lancet Psychiatry</i> , <b>2016</b> , 3, 1147-1156	23.3	115
59	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, 6223-6224	0.9	3
58	Multi-task transfer learning for in-hospital-death prediction of ICU patients. <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, 3321-3324	0.9	4
57	Effect of embedding dimension on complexity measures in identifying Arrhythmia. <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, 6230-6233	0.9	1
56	An EEMD-PCA approach to extract heart rate, respiratory rate and respiratory activity from PPG signal. <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, 3817-3820	0.9	10
55	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

54	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
53	Guidelines for Developing and Reporting Machine Learning Predictive Models in Biomedical Research: A Multidisciplinary View. <i>Journal of Medical Internet Research</i> , <b>2016</b> , 18, e323	7.6	290
52	Predicting Risk of Suicide Attempt Using History of Physical Illnesses From Electronic Medical Records. <i>JMIR Mental Health</i> , <b>2016</b> , 3, e19	6	17
51	Classification of 5-S Epileptic EEG Recordings Using Distribution Entropy and Sample Entropy. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 136	4.6	42
50	Influence of embedding dimension on distribution entropy in analyzing heart rate variability. <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, 6222-6225	0.9	1
49	Tone Entropy Analysis of Foetal Heart Rate Variability. <i>Entropy</i> , <b>2015</b> , 17, 1042-1053	2.8	4
48	The Role of Serious Games in Robot Exoskeleton-Assisted Rehabilitation of Stroke Patients <b>2015</b> , 233-254		2
47	<b>2015</b> ,		1
46	A novel technique to investigate the effect of ageing on ventricular repolarization characteristics in healthy and LQTS subjects. <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, 2796-9	0.9	2
45	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
44	Analysis of fetal heart rate asymmetry before and after 35 weeks of gestation. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 21, 43-48	4.9	9
43	<b>2015</b> ,		1
42	<b>2015</b> ,		3
41	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, 19005 <sup>3</sup> 10		9
40	Effect of data length and bin numbers on distribution entropy (DistEn) measurement in analyzing healthy aging. <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, 7877-80	0.9	7
39	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> , 2015, 6867-70	0.9	4
38	Distribution entropy analysis of epileptic EEG signals. <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, 4170-3	0.9	5
37	Distribution Entropy (DistEn): A complexity measure to detect arrhythmia from short length RR interval time series. <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, 5207-10	0.9	11

36	Phase asymmetry of heart rate variability signal. <i>Physiological Measurement</i> , <b>2015</b> , 36, 303-14	2.9	17
35	Detection of respiratory arousals using photoplethysmography (PPG) signal in sleep apnea patients. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2014</b> , 18, 1065-73	7.2	32
34	Retinal artery and venular caliber grading: a semi-automated evaluation tool. <i>Computers in Biology and Medicine</i> , <b>2014</b> , 44, 1-9	7	7
33	Effect of ECG-derived respiration (EDR) on modeling ventricular repolarization dynamics in different physiological and psychological conditions. <i>Medical and Biological Engineering and Computing</i> , <b>2014</b> , 52, 851-60	3.1	9
32	Relationship between heart rate variability and angiotensinogen gene polymorphism in diabetic and control individuals. <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, 6193-6	0.9	1
31	Investigating foetal heart rate asymmetry. <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, 2261-4	0.9	1
30	Effect of gender and diabetes on major depressive disorder using heart rate asymmetry. <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, 6679-82	0.9	2
29	Understanding ageing effects using complexity analysis of foot-ground clearance during walking. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2013</b> , 16, 554-64	2.1	7
28	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
27	Estimating relative respiratory effort from features of Photo-Plethysmography signal. <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, 6575-8	0.9	1
26	Effect of using ECG derived respiration (EDR) signal in linear parametric QT-RR modeling. <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, 1968-71	0.9	0
25	Poincaré Plot Methods for Heart Rate Variability Analysis <b>2013</b> ,		45
24	Investigating relative respiratory effort signals during mixed sleep apnea using photoplethysmogram. <i>Annals of Biomedical Engineering</i> , <b>2013</b> , 41, 2229-36	4.7	3
23	Effect of premature activation in analyzing QT dynamics instability using QT-RR model for ventricular fibrillation and healthy subjects. <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, 2773-6	0.9	3
22	Multi-scale Tone Entropy in differentiating physiologic and synthetic RR time series. <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, 6135-8	0.9	
21	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
20	Investigating the changes in heart rate asymmetry (HRA) with perturbation of parasympathetic nervous system. <i>Australasian Physical and Engineering Sciences in Medicine</i> , <b>2012</b> , 35, 465-74	1.9	15
19	Sensitivity of temporal heart rate variability in Poincaré plot to changes in parasympathetic nervous system activity. <i>BioMedical Engineering OnLine</i> , <b>2011</b> , 10, 17	4.1	33

18	Comparison of pulse rate variability with heart rate variability during obstructive sleep apnea. <i>Medical Engineering and Physics</i> , <b>2011</b> , 33, 204-9	2.4	50
17	A Novel Scalable Multi-class ROC for Effective Visualization and Computation. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 107-120	0.9	14
16	Analyzing temporal variability of standard descriptors of Poincaré plots. <i>Journal of Electrocardiology</i> , <b>2010</b> , 43, 719-24	1.4	24
15	Toe clearance and velocity profiles of young and elderly during walking on sloped surfaces. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2010</b> , 7, 18	5.3	19
14	<b>2009</b> ,		2
13	Support vector machines for automated recognition of obstructive sleep apnea syndrome from ECG recordings. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2009</b> , 13, 37-48		233
12	Automated recognition of patients with obstructive sleep apnoea using wavelet-based features of electrocardiogram recordings. <i>Computers in Biology and Medicine</i> , <b>2009</b> , 39, 88-96	7	52
11	Defining asymmetry in heart rate variability signals using a Poincaré plot. <i>Physiological Measurement</i> , <b>2009</b> , 30, 1227-40	2.9	34
10	Complex correlation measure: a novel descriptor for Poincaré plot. <i>BioMedical Engineering OnLine</i> , <b>2009</b> , 8, 17	4.1	79
9	Investigating scale invariant dynamics in minimum toe clearance variability of the young and elderly during treadmill walking. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2008</b> , 16, 380-9	4.8	46
8	Automatic Recognition of Obstructive Sleep Apnoea Syndrome Using Power Spectral Analysis of Electrocardiogram and Hidden Markov Models <b>2008</b> ,		4
7	Power spectral analysis for identifying the onset and termination of obstructive sleep apnoea events in ECG recordings <b>2008</b> ,		2
6	Identification of onset, maximum and termination of obstructive sleep apnoea events in single lead ECG recordings. <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>2008</b> , 2008, 1072-5	0.9	2
5	Understanding ageing effects by approximate entropy analysis of gait variability. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2007</b> , 2007, 1965-8		20
4	Wavelet-based multiscale analysis of minimum toe clearance variability in the young and elderly during walking. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2007</b> , 2007, 1558-61		2
3	Power spectral analysis of ECG signals during obstructive sleep apnoea hypopnoea epochs <b>2007</b> ,		7
2	Regulation of minimum toe clearance variability in the young and elderly during walking on sloped surfaces. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2007</b> , 2007, 4887-90		3
1	Data Pattern Recognition using Neural Network with Back-Propagation Training <b>2006</b> ,		2



