

Yoshiharu Yamamoto

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.

175
papers

4,596
citations

38
h-index

60
g-index

203
ext. papers

5,468
ext. citations

3.7
avg, IF

5.31
L-index

#	Paper	IF	Citations
175	Deep attention-based neural networks for explainable heart sound classification. <i>Machine Learning With Applications</i> , 2022 , 100322	6.5	1
174	0092 The Effects of Slow-Oscillatory Galvanic Vestibular Stimulation on Sleep Physiology in Healthy Humans. <i>Sleep</i> , 2022 , 45, A41-A42	1.1	
173	Recent Advances in Computer Audition for Diagnosing COVID-19: An Overview 2021 ,		4
172	Age and gender differences in objective sleep properties using large-scale body acceleration data in a Japanese population. <i>Scientific Reports</i> , 2021 , 11, 9970	4.9	6
171	Can Appliances Understand the Behavior of Elderly Via Machine Learning? A Feasibility Study. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 8343-8355	10.7	2
170	Artificial Intelligence Internet of Things for the Elderly: From Assisted Living to Health-Care Monitoring. <i>IEEE Signal Processing Magazine</i> , 2021 , 38, 78-88	9.4	9
169	Can Machine Learning Assist Locating the Excitation of Snore Sound? A Review. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 1233-1246	7.2	7
168	Seasonal Sleep Variations and Their Association With Meteorological Factors: A Japanese Population Study Using Large-Scale Body Acceleration Data. <i>Frontiers in Digital Health</i> , 2021 , 3, 677043	2.3	1
167	Learning Multimodal Representations for Drowsiness Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-10	6.1	3
166	Computer Audition for Fighting the SARS-CoV-2 Corona Crisis [Introducing the Multi-task Speech Corpus for COVID-19]. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	5
165	Transferring Cross-Corpus Knowledge: An Investigation on Data Augmentation for Heart Sound Classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 1074-1076	0.9	0
164	Sensing the Sounds of Silence: A Pilot Study on the Detection of Model Mice of Autism Spectrum Disorder from Ultrasonic Vocalisations. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 68-71	0.9	0
163	Computer Audition for Healthcare: Opportunities and Challenges. <i>Frontiers in Digital Health</i> , 2020 , 2, 5	2.3	10
162	Association of Locomotor Activity During Sleep Deprivation Treatment With Response. <i>Frontiers in Psychiatry</i> , 2020 , 11, 688	5	1
161	Can Affective Computing Better the Mental Status of the Electronic Games Player? A Perspective 2020 ,		1
160	Audio for Audio is Better? An Investigation on Transfer Learning Models for Heart Sound Classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 74-77	0.9	13
159	Preceding psychological factors and calorie intake in patients with type 2 diabetes: investigation by ecological momentary assessment. <i>BioPsychoSocial Medicine</i> , 2019 , 13, 20	2.8	1

158	Drinking Levels and Profiles of Alcohol Addicted Rats Predict Response to Nalmefene. <i>Frontiers in Pharmacology</i> , 2019 , 10, 471	5.6	10
157	The angiotensin II type 1 receptor blocker azilsartan can overwhelm the sympathetic nerve activation stimulated by coadministration of calcium channel blockers. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2019 , 20, 1470320319839525	3	1
156	Automatic Detection of Major Depressive Disorder via a Bag-of-Behaviour-Words Approach 2019 ,		3
155	Group Activity Recognition to Support Collaboration in Creative Digital Space 2019 ,		1
154	Machine Listening for Heart Status Monitoring: Introducing and Benchmarking HSS - the Heart Sounds Shenzhen Corpus. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 ,	7.2	10
153	Deep Wavelets for Heart Sound Classification 2019 ,		5
152	Teaching Machines to Know Your Depressive State: On Physical Activity in Health and Major Depressive Disorder. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3592-3595	0.9	5
151	Noisy galvanic vestibular stimulation has a greater ameliorating effect on posture in unstable subjects: a feasibility study. <i>Scientific Reports</i> , 2019 , 9, 17189	4.9	7
150	Wavelet p-Leader Non Gaussian Multiscale Expansions for Heart Rate Variability Analysis in Congestive Heart Failure Patients. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 80-88	5	11
149	Increase in random component of heart rate variability coinciding with developmental and degenerative stages of life. <i>Physiological Measurement</i> , 2018 , 39, 054004	2.9	13
148	Noisy vestibular stimulation increases gait speed in normals and in bilateral vestibulopathy. <i>Brain Stimulation</i> , 2018 , 11, 709-715	5.1	31
147	Mortality Prediction in Severe Congestive Heart Failure Patients with Multifractal Point-Process Modeling of Heartbeat Dynamics. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 2345-2354	5	21
146	Markov modeling of sleep stage transitions and ultradian REM sleep rhythm. <i>Physiological Measurement</i> , 2018 , 39, 084005	2.9	5
145	A Robust Method with High Time Resolution for Estimating the Cortico-Thalamo-Cortical Loop Strength and the Delay when Using a Scalp Electroencephalography Applied to the Wake-Sleep Transition. <i>Methods of Information in Medicine</i> , 2018 , 57, 122-128	1.5	2
144	Scattering Transform of Heart Rate Variability for the Prediction of Ischemic Stroke in Patients with Atrial Fibrillation. <i>Methods of Information in Medicine</i> , 2018 , 57, 141-145	1.5	2
143	Noisy Galvanic Vestibular Stimulation Sustainably Improves Posture in Bilateral Vestibulopathy. <i>Frontiers in Neurology</i> , 2018 , 9, 900	4.1	32
142	Negatively Skewed Locomotor Activity Is Related to Autistic Traits and Behavioral Problems in Typically Developing Children and Those With Autism Spectrum Disorders. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 518	3.3	1
141	Acoustic Hyper-Reactivity and Negatively Skewed Locomotor Activity in Children With Autism Spectrum Disorders: An Exploratory Study. <i>Frontiers in Psychiatry</i> , 2018 , 9, 355	5	7

140	Application of Empirical Mode Decomposition to Mother and Infant Physical Activity. <i>Methods of Information in Medicine</i> , 2018 , 57, 152-157	1.5	2
139	Fast algorithm of long-range cross-correlation analysis using Savitzky-Golay detrending filter and its application to biosignal analysis 2017 ,		3
138	Blunted cyclic variation of heart rate predicts mortality risk in post-myocardial infarction, end-stage renal disease, and chronic heart failure patients. <i>Europace</i> , 2017 , 19, 1392-1400	3.9	15
137	Dynamical state transitions into addictive behaviour and their early-warning signals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	8
136	Heart Rate Variability and Cardiac Diseases 2017 , 163-178		2
135	Heart Rate Variability (HRV) and Sympathetic Nerve Activity 2017 , 147-161		4
134	Rank among Peers during Game Competition Affects the Tendency to Make Risky Choices in Adolescent Males. <i>Frontiers in Psychology</i> , 2017 , 8, 16	3.4	3
133	Effect of Noisy Galvanic Vestibular Stimulation on Ocular Vestibular-Evoked Myogenic Potentials to Bone-Conducted Vibration. <i>Frontiers in Neurology</i> , 2017 , 8, 26	4.1	24
132	Sodium balance, circadian BP rhythm, heart rate variability, and intrarenal renin-angiotensin-aldosterone and dopaminergic systems in acute phase of ARB therapy. <i>Physiological Reports</i> , 2017 , 5, e13309	2.6	9
131	Noisy galvanic vestibular stimulation induces a sustained improvement in body balance in elderly adults. <i>Scientific Reports</i> , 2016 , 6, 37575	4.9	68
130	A momentary biomarker for depressive mood. <i>In Silico Pharmacology</i> , 2016 , 4, 4	4.3	6
129	Pilot Study for the Development of a Self-Care System for Type 2 Diabetes Patients Using a Personal Digital Assistant (PDA). <i>International Journal of Behavioral Medicine</i> , 2016 , 23, 295-299	2.6	5
128	Multiscale Analysis of Intensive Longitudinal Biomedical Signals and Its Clinical Applications. <i>Proceedings of the IEEE</i> , 2016 , 104, 242-261	14.3	38
127	Long-range correlations in amplitude variability of HF and LF components of 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> , 2016 , 2016, 6218-6221	0.9	1
126	L/T-type calcium channel blocker reduces non-Gaussianity of heart rate variability in chronic kidney disease patients under preceding treatment with ARB. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2016 , 17, 1470320316643905	3	2
125	Assessing cardiac autonomic function via heart rate variability analysis requires monitoring respiration: reply. <i>Europace</i> , 2016 , 18, 1280-1	3.9	2
124	Development of an ecological momentary assessment scale for appetite. <i>BioPsychoSocial Medicine</i> , 2015 , 9, 2	2.8	11
123	Advances in heart rate variability signal analysis: joint position statement by the e-Cardiology ESC Working Group and the European Heart Rhythm Association co-endorsed by the Asia Pacific Heart Rhythm Society. <i>Europace</i> , 2015 , 17, 1341-53	3.9	386

122	Influence of psychological factors on acute exacerbation of tension-type headache: Investigation by ecological momentary assessment. <i>Journal of Psychosomatic Research</i> , 2015 , 79, 239-42	4.1	10
121	Locomotor micro-activities associated with therapeutic responses in patients with seasonal affective disorders. <i>Integrative Medicine International</i> , 2015 , 1, 151-161	1.4	2
120	Actigraph evaluation of acupuncture for treating restless legs syndrome. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 343201	2.3	17
119	Covariation of depressive mood and spontaneous physical activity in major depressive disorder: toward continuous monitoring of depressive mood. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 1347-55	7.2	26
118	Psychobehavioral validity of self-reported symptoms based on spontaneous physical activity. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 4021-4	0.9	1
117	Multiscale Entropy of the Heart Rate Variability for the Prediction of an Ischemic Stroke in Patients with Permanent Atrial Fibrillation. <i>PLoS ONE</i> , 2015 , 10, e0137144	3.7	23
116	Shen-zhi-ling oral liquid improves behavioral and psychological symptoms of dementia in Alzheimer's disease. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014 , 2014, 913687	2.3	12
115	Autonomic dysfunction responses to head-up tilt in anorexia nervosa. <i>Clinical Autonomic Research</i> , 2014 , 24, 175-81	4.3	15
114	Noisy vestibular stimulation improves body balance in bilateral vestibulopathy. <i>Neurology</i> , 2014 , 82, 9696-5	7.5	78
113	Co-variation of depressive mood and spontaneous physical activity evaluated by ecological momentary assessment in major depressive disorder. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 6635-8	0.9	3
112	Validity of salt intake assessment system based on a 24-h dietary recall method using a touch panel computer. <i>Clinical and Experimental Hypertension</i> , 2014 , 36, 471-7	2.2	3
111	Quantitative evaluation of the use of actigraphy for neurological and psychiatric disorders. <i>Behavioural Neurology</i> , 2014 , 2014, 897282	3	7
110	Actigraphy monitoring of symptoms in patients with Parkinson's disease. <i>Physiology and Behavior</i> , 2013 , 119, 156-60	3.5	20
109	Systematic comparison between ecological momentary assessment and day reconstruction method for fatigue and mood states in healthy adults. <i>British Journal of Health Psychology</i> , 2013 , 18, 155-67	8.3	27
108	Lack of negative correlation in glucose dynamics by nonexercise activity thermogenesis restriction in healthy adults. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 60-6	1.2	4
107	Exercise and sleep deprivation do not change cytokine expression levels in patients with chronic fatigue syndrome. <i>Vaccine Journal</i> , 2013 , 20, 1736-42		14
106	The effects of exercise on dynamic sleep morphology in healthy controls and patients with chronic fatigue syndrome. <i>Physiological Reports</i> , 2013 , 1, e00152	2.6	9
105	Co-variation of depressive mood and locomotor dynamics evaluated by ecological momentary assessment in healthy humans. <i>PLoS ONE</i> , 2013 , 8, e74979	3.7	39

104	Characterization and modeling of intermittent locomotor dynamics in clock gene-deficient mice. <i>PLoS ONE</i> , 2013 , 8, e58884	3.7	16
103	Behavioral Organization in Spontaneous Physical Activity and Its Alterations in Psychiatric Disorders. <i>The Brain & Neural Networks</i> , 2013 , 20, 123-134	0.1	
102	The lack of long-range negative correlations in glucose dynamics is associated with worse glucose control in patients with diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2012 , 61, 1041-50	12.7	17
101	Diurnal variation of tension-type headache intensity and exacerbation: An investigation using computerized ecological momentary assessment. <i>BioPsychoSocial Medicine</i> , 2012 , 6, 18	2.8	9
100	Non-gaussianity of low frequency heart rate variability and sympathetic activation: lack of increases in multiple system atrophy and Parkinson disease. <i>Frontiers in Physiology</i> , 2012 , 3, 34	4.6	21
99	Enhanced persistency of resting and active periods of locomotor activity in schizophrenia. <i>PLoS ONE</i> , 2012 , 7, e43539	3.7	42
98	A compound belonging to traditional Chinese medicine improves nocturnal activity in Parkinson's disease. <i>Sleep Medicine</i> , 2011 , 12, 307-8	4.6	15
97	Sleep-stage dynamics in patients with chronic fatigue syndrome with or without fibromyalgia. <i>Sleep</i> , 2011 , 34, 1551-60	1.1	37
96	Increased non-gaussianity of heart rate variability predicts cardiac mortality after an acute myocardial infarction. <i>Frontiers in Physiology</i> , 2011 , 2, 65	4.6	36
95	Traditional chinese medicine improves activities of daily living in Parkinson's disease. <i>Parkinson's Disease</i> , 2011 , 2011, 789506	2.6	22
94	NREM sleep stage transitions control ultradian REM sleep rhythm. <i>Sleep</i> , 2011 , 34, 1423-32	1.1	23
93	Does sleep aggravate tension-type headache?: An investigation using computerized ecological momentary assessment and actigraphy. <i>BioPsychoSocial Medicine</i> , 2011 , 5, 10	2.8	21
92	Food Intake and Heart Rate Variability: Toward a Momentary Biopsychosocial Understanding of Eating Behavior 2011 , 845-863		
91	Sleep stage transitions in healthy humans altered by central monoaminergic antagonist. <i>Methods of Information in Medicine</i> , 2010 , 49, 458-61	1.5	6
90	Single-trial EEG power and phase dynamics associated with voluntary response inhibition. <i>Journal of Cognitive Neuroscience</i> , 2010 , 22, 714-27	3.1	65
89	Sleep stage transitions in chronic fatigue syndrome patients with or without fibromyalgia. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 5391-4	0.9	8
88	Cytokines across the night in chronic fatigue syndrome with and without fibromyalgia. <i>Vaccine Journal</i> , 2010 , 17, 582-7		43
87	Lateralised EEG power and phase dynamics related to motor response execution. <i>Clinical Neurophysiology</i> , 2010 , 121, 1711-8	4.3	10

86	A generalized method to estimate waveforms common across trials from EEGs. <i>NeuroImage</i> , 2010 , 51, 629-41	7.9	11
85	Development of a personal digital assistant (PDA) system to collect symptom information from home hospice patients. <i>Journal of Palliative Medicine</i> , 2010 , 13, 647-51	2.2	17
84	How does stochastic resonance work within the human brain? [Psychophysics of internal and external noise. <i>Chemical Physics</i> , 2010 , 375, 616-624	2.3	36
83	Phase statistics approach to human ventricular fibrillation. <i>Physical Review E</i> , 2009 , 80, 051917	2.4	7
82	Plasma cytokine fluctuations over time in healthy controls and patients with fibromyalgia. <i>Experimental Biology and Medicine</i> , 2009 , 234, 232-40	3.7	29
81	Synchronization of spontaneous eyeblinks while viewing video stories. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 3635-44	4.4	105
80	Statistical physics of human heart rate in health and disease. <i>Understanding Complex Systems</i> , 2009 , 139-154	1.4	1
79	Internal noise determines external stochastic resonance in visual perception. <i>Vision Research</i> , 2008 , 48, 1569-73	2.1	37
78	Temporal decomposition of EEG during a simple reaction time task into stimulus- and response-locked components. <i>NeuroImage</i> , 2008 , 39, 742-54	7.9	19
77	Extracting a stimulus-unlocked component from EEG during NoGo trials of a Go/NoGo task. <i>NeuroImage</i> , 2008 , 41, 777-88	7.9	3
76	Non-Gaussian heart rate as an independent predictor of mortality in patients with chronic heart failure. <i>Heart Rhythm</i> , 2008 , 5, 261-8	6.7	74
75	Dynamics of sleep stage transitions in healthy humans and patients with chronic fatigue syndrome. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R1980-7	3.2	53
74	Postural-induced phase shift of respiratory sinus arrhythmia and blood pressure variations: insight from respiratory-phase domain analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1481-9	5.2	18
73	Increased heteroscedasticity of heart rate in fatal heart failure. <i>Europhysics Letters</i> , 2008 , 82, 28005	1.6	6
72	Novel class of neural stochastic resonance and error-free information transfer. <i>Physical Review Letters</i> , 2008 , 100, 118103	7.4	29
71	Heart rate and blood pressure variability and baroreflex sensitivity in patients with anorexia nervosa. <i>Psychosomatic Medicine</i> , 2008 , 70, 695-700	3.7	29
70	Of mice and men--universality and breakdown of behavioral organization. <i>PLoS ONE</i> , 2008 , 3, e2050	3.7	61
69	Improvement of motor functions by noisy vestibular stimulation in central neurodegenerative disorders. <i>Journal of Neurology</i> , 2008 , 255, 1657-61	5.5	66

68	Application of ecological momentary assessment in stress-related diseases. <i>BioPsychoSocial Medicine</i> , 2008 , 2, 13	2.8	28
67	Panic disorder and locomotor activity. <i>BioPsychoSocial Medicine</i> , 2008 , 2, 23	2.8	12
66	Amelioration of symptoms in neurological disorders by noisy vestibular stimulation. <i>Equilibrium Research</i> , 2008 , 67, 58-64	0.2	1
65	Power-law temporal autocorrelation of activity reflects severity of parkinsonism. <i>Movement Disorders</i> , 2007 , 22, 1308-13	7	21
64	Tension-type headache and physical activity: an actigraphic study. <i>Cephalalgia</i> , 2007 , 27, 1236-43	6.1	58
63	Temporal evolution for the phase histogram of ECG during human ventricular fibrillation. <i>AIP Conference Proceedings</i> , 2007 ,	0	4
62	Multiscale Fluctuation Analysis Revisited. <i>AIP Conference Proceedings</i> , 2007 ,	0	1
61	Noise-induced large-scale phase synchronization of human-brain activity associated with behavioural stochastic resonance. <i>Europhysics Letters</i> , 2007 , 80, 40009	1.6	50
60	Estimator of a non-Gaussian parameter in multiplicative log-normal models. <i>Physical Review E</i> , 2007 , 76, 041113	2.4	37
59	A real-time assessment of the effect of exercise in chronic fatigue syndrome. <i>Physiology and Behavior</i> , 2007 , 92, 963-8	3.5	45
58	Universal scaling law in human behavioral organization. <i>Physical Review Letters</i> , 2007 , 99, 138103	7.4	102
57	Unique very low-frequency heart rate variability during deep sleep in humans. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 28-34	5	21
56	Aging of complex heart rate dynamics. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 89-94	5	21
55	Multiscale probability density function analysis: non-Gaussian and scale-invariant fluctuations of healthy human heart rate. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 95-102	5	33
54	Stochastic resonance in attention control. <i>Europhysics Letters</i> , 2006 , 76, 1029-1035	1.6	17
53	Long-range negative correlation of glucose dynamics in humans and its breakdown in diabetes mellitus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R1638-43	3.2	29
52	Criticality and phase transition in stock-price fluctuations. <i>Physical Review Letters</i> , 2006 , 96, 068701	7.4	78
51	Noise-driven switching between limit cycles and adaptability in a small-dimensional excitable network with balanced coupling. <i>Physical Review E</i> , 2006 , 73, 031914	2.4	2

50	Reliability of recalled self-report on headache intensity: investigation using ecological momentary assessment technique. <i>Cephalalgia</i> , 2006 , 26, 1335-43	6.1	59
49	Dual Antagonistic Autonomic Control Necessary for 1/f Scaling in Heart Rate 2005 , 141-151		
48	Stochastic resonance in attention switching 2005 , 5841, 49		
47	Symptom profile of multiple chemical sensitivity in actual life. <i>Psychosomatic Medicine</i> , 2005 , 67, 318-25	3.7	43
46	Noisy vestibular stimulation improves autonomic and motor responsiveness in central neurodegenerative disorders. <i>Annals of Neurology</i> , 2005 , 58, 175-81	9.4	98
45	Changes in the Hurst Exponent of Heart Rate Variability during Physical Activity. <i>AIP Conference Proceedings</i> , 2005 ,	0	2
44	Functional Roles of Noise and Fluctuations in the Human Brain. <i>AIP Conference Proceedings</i> , 2005 ,	0	1
43	Model for complex heart rate dynamics in health and diseases. <i>Physical Review E</i> , 2005 , 72, 041904	2.4	66
42	Phase transition in a healthy human heart rate. <i>Physical Review Letters</i> , 2005 , 95, 058101	7.4	82
41	1/f scaling in heart rate requires antagonistic autonomic control. <i>Physical Review E</i> , 2004 , 70, 050901	2.4	45
40	Critical scale invariance in a healthy human heart rate. <i>Physical Review Letters</i> , 2004 , 93, 178103	7.4	88
39	Use of time-frequency analysis to investigate temporal patterns of cardiac autonomic response during head-up tilt in chronic fatigue syndrome. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004 , 113, 55-62	2.4	25
38	Power law temporal auto-correlations in day-long records of human physical activity and their alteration with disease. <i>Europhysics Letters</i> , 2004 , 66, 448-454	1.6	12
37	Behavioral stochastic resonance associated with large-scale synchronization of human brain activity 2004 , 5467, 359		3
36	Functional stochastic resonance in human baroreflex induced by 1/f-type noisy galvanic vestibular stimulation 2003 ,		3
35	Multifractal heart rate dynamics in human cardiovascular model 2003 ,		1
34	Behavioral stochastic resonance in the human brain 2003 , 5110, 252		
33	Baroreceptor reflex and integrative stress responses in chronic fatigue syndrome. <i>Psychosomatic Medicine</i> , 2003 , 65, 889-95	3.7	27

32	A measure of heart rate variability is sensitive to orthostatic challenge in women with chronic fatigue syndrome. <i>Experimental Biology and Medicine</i> , 2003 , 228, 167-74	3.7	31
31	Frequency characteristics of long-term heart rate variability during constant-routine protocol. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 285, R171-6	3.2	20
30	Behavioral stochastic resonance within the human brain. <i>Physical Review Letters</i> , 2003 , 90, 218103	7.4	137
29	Asymmetrical singularities in real-world signals. <i>Physical Review E</i> , 2003 , 68, 065204	2.4	41
28	1/f noise outperforms white noise in sensitizing baroreflex function in the human brain. <i>Physical Review Letters</i> , 2003 , 91, 078101	7.4	53
27	Behavioral Power-law Exponents in the Usage of Electric Appliances Correlate Mood States in the Elderly. <i>International Journal of Sport and Health Science</i> , 2003 , 1, 41-47	0.3	4
26	Noise-induced compensation for postural hypotension in primary autonomic failure. <i>Brain Research</i> , 2002 , 945, 71-8	3.7	14
25	Human cortical activities during Go/NoGo tasks with opposite motor control paradigms. <i>Experimental Brain Research</i> , 2002 , 142, 301-7	2.3	61
24	Noise-induced sensitization of human brain. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 314, 53-60	3.3	2
23	Model for cardiorespiratory synchronization in humans. <i>Physical Review E</i> , 2002 , 65, 051923	2.4	59
22	Activity rhythm degrades after strenuous exercise in chronic fatigue syndrome. <i>Physiology and Behavior</i> , 2002 , 77, 39-44	3.5	25
21	Genetic variance in age-related changes in running performance and growth during adolescence: a longitudinal twin study. <i>American Journal of Human Biology</i> , 2001 , 13, 71-80	2.7	6
20	Behavioral-independent features of complex heartbeat dynamics. <i>Physical Review Letters</i> , 2001 , 86, 6026-9	7.9	219
19	Effect of prolonged head-down bed rest on complex cardiovascular dynamics. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2001 , 86, 192-201	2.4	21
18	Noise-enhanced heart rate and sympathetic nerve responses to oscillatory lower body negative pressure in humans. <i>Journal of Neurophysiology</i> , 2001 , 86, 559-64	3.2	27
17	Decreased fractal component of human heart rate variability during non-REM sleep. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H17-21	5.2	44
16	Similar age-related changes in running performance and growth in adolescent monozygotic twins. <i>American Journal of Human Biology</i> , 2000 , 12, 623-632	2.7	2
15	Assessment of the primary effect of aging on heart rate variability in humans. <i>Clinical Autonomic Research</i> , 2000 , 10, 123-30	4.3	72

14	Temporal contribution of body movement to very long-term heart rate variability in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 278, H1035-41	5.2	30
13	Functional stochastic resonance in the human brain: noise induced sensitization of baroreflex system. <i>Physical Review Letters</i> , 2000 , 85, 3740-3	7.4	116
12	Mechanism of stochastic resonance enhancement in neuronal models driven by 1/f noise. <i>Physical Review E</i> , 1999 , 60, 4637-44	2.4	40
11	Detection of Chaos and Fractals from Experimental Time Series 1999 , 669-687		4
10	Secular change in running performance of Japanese adolescents: A longitudinal developmental study. <i>American Journal of Human Biology</i> , 1998 , 10, 765-779	2.7	5
9	Enhancement of stochastic resonance in a FitzHugh-Nagumo neuronal model driven by colored noise. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 243, 281-287	2.3	58
8	Respiratory influences on non-linear dynamics of heart rate variability in humans. <i>Biological Cybernetics</i> , 1997 , 77, 1-10	2.8	41
7	Fractal correlation in human H-reflex. <i>Experimental Brain Research</i> , 1995 , 105, 402-10	2.3	20
6	Spectral analysis of blood pressure variability in heart transplant patients. <i>Hypertension</i> , 1995 , 25, 643-50.5	0.5	22
5	Heart rate variability to monitor autonomic nervous system activity during orthostatic stress. <i>Journal of Clinical Pharmacology</i> , 1994 , 34, 558-62	2.9	28
4	Extracting fractal components from time series. <i>Physica D: Nonlinear Phenomena</i> , 1993 , 68, 250-264	3.3	100
3	COMPARISON OF EQUILIBRIUM AND EXTRAPOLATION METHODS OF CO2 REBREATHING FOR DETERMINING THE MIXED VENOUS CO2 PRESSURE. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 1988 , 37, 117-122	0.1	
2	Learning Higher Representations from Pre-Trained Deep Models with Data Augmentation for the COMPARE 2020 Challenge Mask Task		5
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