

# Yoshiharu Yamamoto

## List of Publications by Citations

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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	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> , <b>2015</b> , 17, 1341-53	3.9	386
174	Behavioral-independent features of complex heartbeat dynamics. <i>Physical Review Letters</i> , <b>2001</b> , 86, 6026-9	7.4	219
173	Behavioral stochastic resonance within the human brain. <i>Physical Review Letters</i> , <b>2003</b> , 90, 218103	7.4	137
172	Functional stochastic resonance in the human brain: noise induced sensitization of baroreflex system. <i>Physical Review Letters</i> , <b>2000</b> , 85, 3740-3	7.4	116
171	Synchronization of spontaneous eyeblinks while viewing video stories. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 3635-44	4.4	105
170	Universal scaling law in human behavioral organization. <i>Physical Review Letters</i> , <b>2007</b> , 99, 138103	7.4	102
169	Extracting fractal components from time series. <i>Physica D: Nonlinear Phenomena</i> , <b>1993</b> , 68, 250-264	3.3	100
168	Noisy vestibular stimulation improves autonomic and motor responsiveness in central neurodegenerative disorders. <i>Annals of Neurology</i> , <b>2005</b> , 58, 175-81	9.4	98
167	Critical scale invariance in a healthy human heart rate. <i>Physical Review Letters</i> , <b>2004</b> , 93, 178103	7.4	88
166	Phase transition in a healthy human heart rate. <i>Physical Review Letters</i> , <b>2005</b> , 95, 058101	7.4	82
165	Noisy vestibular stimulation improves body balance in bilateral vestibulopathy. <i>Neurology</i> , <b>2014</b> , 82, 969-75	7.5	78
164	Criticality and phase transition in stock-price fluctuations. <i>Physical Review Letters</i> , <b>2006</b> , 96, 068701	7.4	78
163	Non-Gaussian heart rate as an independent predictor of mortality in patients with chronic heart failure. <i>Heart Rhythm</i> , <b>2008</b> , 5, 261-8	6.7	74
162	Assessment of the primary effect of aging on heart rate variability in humans. <i>Clinical Autonomic Research</i> , <b>2000</b> , 10, 123-30	4.3	72
161	Noisy galvanic vestibular stimulation induces a sustained improvement in body balance in elderly adults. <i>Scientific Reports</i> , <b>2016</b> , 6, 37575	4.9	68
160	Improvement of motor functions by noisy vestibular stimulation in central neurodegenerative disorders. <i>Journal of Neurology</i> , <b>2008</b> , 255, 1657-61	5.5	66
159	Model for complex heart rate dynamics in health and diseases. <i>Physical Review E</i> , <b>2005</b> , 72, 041904	2.4	66

158	Single-trial EEG power and phase dynamics associated with voluntary response inhibition. <i>Journal of Cognitive Neuroscience</i> , <b>2010</b> , 22, 714-27	3.1	65
157	Of mice and men--universality and breakdown of behavioral organization. <i>PLoS ONE</i> , <b>2008</b> , 3, e2050	3.7	61
156	Human cortical activities during Go/NoGo tasks with opposite motor control paradigms. <i>Experimental Brain Research</i> , <b>2002</b> , 142, 301-7	2.3	61
155	Reliability of recalled self-report on headache intensity: investigation using ecological momentary assessment technique. <i>Cephalalgia</i> , <b>2006</b> , 26, 1335-43	6.1	59
154	Model for cardiorespiratory synchronization in humans. <i>Physical Review E</i> , <b>2002</b> , 65, 051923	2.4	59
153	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> , <b>1998</b> , 243, 281-287	2.3	58
152	Tension-type headache and physical activity: an actigraphic study. <i>Cephalalgia</i> , <b>2007</b> , 27, 1236-43	6.1	58
151	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> , <b>2008</b> , 294, R1980-7	3.2	53
150	1/f noise outperforms white noise in sensitizing baroreflex function in the human brain. <i>Physical Review Letters</i> , <b>2003</b> , 91, 078101	7.4	53
149	Noise-induced large-scale phase synchronization of human-brain activity associated with behavioural stochastic resonance. <i>Europhysics Letters</i> , <b>2007</b> , 80, 40009	1.6	50
148	A real-time assessment of the effect of exercise in chronic fatigue syndrome. <i>Physiology and Behavior</i> , <b>2007</b> , 92, 963-8	3.5	45
147	1/f scaling in heart rate requires antagonistic autonomic control. <i>Physical Review E</i> , <b>2004</b> , 70, 050901	2.4	45
146	Decreased fractal component of human heart rate variability during non-REM sleep. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 280, H17-21	5.2	44
145	Cytokines across the night in chronic fatigue syndrome with and without fibromyalgia. <i>Vaccine Journal</i> , <b>2010</b> , 17, 582-7		43
144	Symptom profile of multiple chemical sensitivity in actual life. <i>Psychosomatic Medicine</i> , <b>2005</b> , 67, 318-25	3.7	43
143	Enhanced persistency of resting and active periods of locomotor activity in schizophrenia. <i>PLoS ONE</i> , <b>2012</b> , 7, e43539	3.7	42
142	Respiratory influences on non-linear dynamics of heart rate variability in humans. <i>Biological Cybernetics</i> , <b>1997</b> , 77, 1-10	2.8	41
141	Asymmetrical singularities in real-world signals. <i>Physical Review E</i> , <b>2003</b> , 68, 065204	2.4	41

140	Mechanism of stochastic resonance enhancement in neuronal models driven by 1/f noise. <i>Physical Review E</i> , <b>1999</b> , 60, 4637-44	2.4	40
139	Co-variation of depressive mood and locomotor dynamics evaluated by ecological momentary assessment in healthy humans. <i>PLoS ONE</i> , <b>2013</b> , 8, e74979	3.7	39
138	Multiscale Analysis of Intensive Longitudinal Biomedical Signals and Its Clinical Applications. <i>Proceedings of the IEEE</i> , <b>2016</b> , 104, 242-261	14.3	38
137	Sleep-stage dynamics in patients with chronic fatigue syndrome with or without fibromyalgia. <i>Sleep</i> , <b>2011</b> , 34, 1551-60	1.1	37
136	Internal noise determines external stochastic resonance in visual perception. <i>Vision Research</i> , <b>2008</b> , 48, 1569-73	2.1	37
135	Estimator of a non-Gaussian parameter in multiplicative log-normal models. <i>Physical Review E</i> , <b>2007</b> , 76, 041113	2.4	37
134	Increased non-gaussianity of heart rate variability predicts cardiac mortality after an acute myocardial infarction. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 65	4.6	36
133	How does stochastic resonance work within the human brain? [Psychophysics of internal and external noise. <i>Chemical Physics</i> , <b>2010</b> , 375, 616-624	2.3	36
132	An Early Study on Intelligent Analysis of Speech Under COVID-19: Severity, Sleep Quality, Fatigue, and Anxiety		34
131	Multiscale probability density function analysis: non-Gaussian and scale-invariant fluctuations of healthy human heart rate. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2006</b> , 53, 95-102	5	33
130	Noisy Galvanic Vestibular Stimulation Sustainably Improves Posture in Bilateral Vestibulopathy. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 900	4.1	32
129	Noisy vestibular stimulation increases gait speed in normals and in bilateral vestibulopathy. <i>Brain Stimulation</i> , <b>2018</b> , 11, 709-715	5.1	31
128	A measure of heart rate variability is sensitive to orthostatic challenge in women with chronic fatigue syndrome. <i>Experimental Biology and Medicine</i> , <b>2003</b> , 228, 167-74	3.7	31
127	Temporal contribution of body movement to very long-term heart rate variability in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 278, H1035-41	5.2	30
126	Plasma cytokine fluctuations over time in healthy controls and patients with fibromyalgia. <i>Experimental Biology and Medicine</i> , <b>2009</b> , 234, 232-40	3.7	29
125	Novel class of neural stochastic resonance and error-free information transfer. <i>Physical Review Letters</i> , <b>2008</b> , 100, 118103	7.4	29
124	Heart rate and blood pressure variability and baroreflex sensitivity in patients with anorexia nervosa. <i>Psychosomatic Medicine</i> , <b>2008</b> , 70, 695-700	3.7	29
123	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> , <b>2006</b> , 291, R1638-43	3.2	29

122	Application of ecological momentary assessment in stress-related diseases. <i>BioPsychoSocial Medicine</i> , <b>2008</b> , 2, 13	2.8	28
121	Heart rate variability to monitor autonomic nervous system activity during orthostatic stress. <i>Journal of Clinical Pharmacology</i> , <b>1994</b> , 34, 558-62	2.9	28
120	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> , <b>2013</b> , 18, 155-67	8.3	27
119	Baroreceptor reflex and integrative stress responses in chronic fatigue syndrome. <i>Psychosomatic Medicine</i> , <b>2003</b> , 65, 889-95	3.7	27
118	Noise-enhanced heart rate and sympathetic nerve responses to oscillatory lower body negative pressure in humans. <i>Journal of Neurophysiology</i> , <b>2001</b> , 86, 559-64	3.2	27
117	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> , <b>2015</b> , 19, 1347-55	7.2	26
116	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> , <b>2004</b> , 113, 55-62	2.4	25
115	Activity rhythm degrades after strenuous exercise in chronic fatigue syndrome. <i>Physiology and Behavior</i> , <b>2002</b> , 77, 39-44	3.5	25
114	Effect of Noisy Galvanic Vestibular Stimulation on Ocular Vestibular-Evoked Myogenic Potentials to Bone-Conducted Vibration. <i>Frontiers in Neurology</i> , <b>2017</b> , 8, 26	4.1	24
113	NREM sleep stage transitions control ultradian REM sleep rhythm. <i>Sleep</i> , <b>2011</b> , 34, 1423-32	1.1	23
112	Multiscale Entropy of the Heart Rate Variability for the Prediction of an Ischemic Stroke in Patients with Permanent Atrial Fibrillation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137144	3.7	23
111	Traditional chinese medicine improves activities of daily living in Parkinson's disease. <i>Parkinsons Disease</i> , <b>2011</b> , 2011, 789506	2.6	22
110	Spectral analysis of blood pressure variability in heart transplant patients. <i>Hypertension</i> , <b>1995</b> , 25, 643-50	5.5	22
109	Mortality Prediction in Severe Congestive Heart Failure Patients with Multifractal Point-Process Modeling of Heartbeat Dynamics. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2018</b> , 65, 2345-2354	5	21
108	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> , <b>2012</b> , 3, 34	4.6	21
107	Does sleep aggravate tension-type headache?: An investigation using computerized ecological momentary assessment and actigraphy. <i>BioPsychoSocial Medicine</i> , <b>2011</b> , 5, 10	2.8	21
106	Power-law temporal autocorrelation of activity reflects severity of parkinsonism. <i>Movement Disorders</i> , <b>2007</b> , 22, 1308-13	7	21
105	Unique very low-frequency heart rate variability during deep sleep in humans. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2006</b> , 53, 28-34	5	21

104	Aging of complex heart rate dynamics. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2006</b> , 53, 89-94	5	21
103	Effect of prolonged head-down bed rest on complex cardiovascular dynamics. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2001</b> , 86, 192-201	2.4	21
102	Actigraphy monitoring of symptoms in patients with Parkinson's disease. <i>Physiology and Behavior</i> , <b>2013</b> , 119, 156-60	3.5	20
101	Frequency characteristics of long-term heart rate variability during constant-routine protocol. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2003</b> , 285, R171-6	3.2	20
100	Fractal correlation in human H-reflex. <i>Experimental Brain Research</i> , <b>1995</b> , 105, 402-10	2.3	20
99	Temporal decomposition of EEG during a simple reaction time task into stimulus- and response-locked components. <i>NeuroImage</i> , <b>2008</b> , 39, 742-54	7.9	19
98	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> , <b>2008</b> , 294, H1481-9	5.2	18
97	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> , <b>2012</b> , 61, 1041-50	12.7	17
96	Actigraph evaluation of acupuncture for treating restless legs syndrome. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2015</b> , 2015, 343201	2.3	17
95	Development of a personal digital assistant (PDA) system to collect symptom information from home hospice patients. <i>Journal of Palliative Medicine</i> , <b>2010</b> , 13, 647-51	2.2	17
94	Stochastic resonance in attention control. <i>Europhysics Letters</i> , <b>2006</b> , 76, 1029-1035	1.6	17
93	Characterization and modeling of intermittent locomotor dynamics in clock gene-deficient mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e58884	3.7	16
92	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> , <b>2017</b> , 19, 1392-1400	3.9	15
91	Autonomic dysfunction responses to head-up tilt in anorexia nervosa. <i>Clinical Autonomic Research</i> , <b>2014</b> , 24, 175-81	4.3	15
90	A compound belonging to traditional Chinese medicine improves nocturnal activity in Parkinson's disease. <i>Sleep Medicine</i> , <b>2011</b> , 12, 307-8	4.6	15
89	Exercise and sleep deprivation do not change cytokine expression levels in patients with chronic fatigue syndrome. <i>Vaccine Journal</i> , <b>2013</b> , 20, 1736-42		14
88	Noise-induced compensation for postural hypotension in primary autonomic failure. <i>Brain Research</i> , <b>2002</b> , 945, 71-8	3.7	14
87	Increase in random component of heart rate variability coinciding with developmental and degenerative stages of life. <i>Physiological Measurement</i> , <b>2018</b> , 39, 054004	2.9	13

86	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, 2020, 74-77</i>	0.9	13
85	Shen-zhi-ling oral liquid improves behavioral and psychological symptoms of dementia in Alzheimer's disease. <i>Evidence-based Complementary and Alternative Medicine, 2014, 2014, 913687</i>	2.3	12
84	Panic disorder and locomotor activity. <i>BioPsychoSocial Medicine, 2008, 2, 23</i>	2.8	12
83	Power law temporal auto-correlations in day-long records of human physical activity and their alteration with disease. <i>Europhysics Letters, 2004, 66, 448-454</i>	1.6	12
82	Development of an ecological momentary assessment scale for appetite. <i>BioPsychoSocial Medicine, 2015, 9, 2</i>	2.8	11
81	A generalized method to estimate waveforms common across trials from EEGs. <i>NeuroImage, 2010, 51, 629-41</i>	7.9	11
80	Wavelet p-Leader Non Gaussian Multiscale Expansions for Heart Rate Variability Analysis in Congestive Heart Failure Patients. <i>IEEE Transactions on Biomedical Engineering, 2019, 66, 80-88</i>	5	11
79	Drinking Levels and Profiles of Alcohol Addicted Rats Predict Response to Nalmefene. <i>Frontiers in Pharmacology, 2019, 10, 471</i>	5.6	10
78	Influence of psychological factors on acute exacerbation of tension-type headache: Investigation by ecological momentary assessment. <i>Journal of Psychosomatic Research, 2015, 79, 239-42</i>	4.1	10
77	Computer Audition for Healthcare: Opportunities and Challenges. <i>Frontiers in Digital Health, 2020, 2, 5</i>	2.3	10
76	Lateralised EEG power and phase dynamics related to motor response execution. <i>Clinical Neurophysiology, 2010, 121, 1711-8</i>	4.3	10
75	Machine Listening for Heart Status Monitoring: Introducing and Benchmarking HSS - the Heart Sounds Shenzhen Corpus. <i>IEEE Journal of Biomedical and Health Informatics, 2019,</i>	7.2	10
74	Diurnal variation of tension-type headache intensity and exacerbation: An investigation using computerized ecological momentary assessment. <i>BioPsychoSocial Medicine, 2012, 6, 18</i>	2.8	9
73	The effects of exercise on dynamic sleep morphology in healthy controls and patients with chronic fatigue syndrome. <i>Physiological Reports, 2013, 1, e00152</i>	2.6	9
72	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, 2017, 5, e13309</i>	2.6	9
71	Artificial Intelligence Internet of Things for the Elderly: From Assisted Living to Health-Care Monitoring. <i>IEEE Signal Processing Magazine, 2021, 38, 78-88</i>	9.4	9
70	Dynamical state transitions into addictive behaviour and their early-warning signals. <i>Proceedings of the Royal Society B: Biological Sciences, 2017, 284,</i>	4.4	8
69	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, 2010, 2010, 5391-4</i>	0.9	8



68	Quantitative evaluation of the use of actigraphy for neurological and psychiatric disorders. <i>Behavioural Neurology</i> , <b>2014</b> , 2014, 897282	3	7
67	Phase statistics approach to human ventricular fibrillation. <i>Physical Review E</i> , <b>2009</b> , 80, 051917	2.4	7
66	Noisy galvanic vestibular stimulation has a greater ameliorating effect on posture in unstable subjects: a feasibility study. <i>Scientific Reports</i> , <b>2019</b> , 9, 17189	4.9	7
65	Can Machine Learning Assist Locating the Excitation of Snore Sound? A Review. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , 25, 1233-1246	7.2	7
64	Acoustic Hyper-Reactivity and Negatively Skewed Locomotor Activity in Children With Autism Spectrum Disorders: An Exploratory Study. <i>Frontiers in Psychiatry</i> , <b>2018</b> , 9, 355	5	7
63	A momentary biomarker for depressive mood. <i>In Silico Pharmacology</i> , <b>2016</b> , 4, 4	4.3	6
62	Sleep stage transitions in healthy humans altered by central monoaminergic antagonist. <i>Methods of Information in Medicine</i> , <b>2010</b> , 49, 458-61	1.5	6
61	Increased heteroscedasticity of heart rate in fatal heart failure. <i>Europhysics Letters</i> , <b>2008</b> , 82, 28005	1.6	6
60	Genetic variance in age-related changes in running performance and growth during adolescence: a longitudinal twin study. <i>American Journal of Human Biology</i> , <b>2001</b> , 13, 71-80	2.7	6
59	Age and gender differences in objective sleep properties using large-scale body acceleration data in a Japanese population. <i>Scientific Reports</i> , <b>2021</b> , 11, 9970	4.9	6
58	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> , <b>2016</b> , 23, 295-299	2.6	5
57	Markov modeling of sleep stage transitions and ultradian REM sleep rhythm. <i>Physiological Measurement</i> , <b>2018</b> , 39, 084005	2.9	5
56	Secular change in running performance of Japanese adolescents: A longitudinal developmental study. <i>American Journal of Human Biology</i> , <b>1998</b> , 10, 765-779	2.7	5
55	Learning Higher Representations from Pre-Trained Deep Models with Data Augmentation for the COMPARE 2020 Challenge Mask Task		5
54	Deep Wavelets for Heart Sound Classification <b>2019</b> ,		5
53	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> , <b>2019</b> , 2019, 3592-3595	0.9	5
52	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> , <b>2021</b> , 1-1	10.7	5
51	Heart Rate Variability (HRV) and Sympathetic Nerve Activity <b>2017</b> , 147-161		4



50	Lack of negative correlation in glucose dynamics by nonexercise activity thermogenesis restriction in healthy adults. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 60-6	1.2	4
49	Temporal evolution for the phase histogram of ECG during human ventricular fibrillation. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	4
48	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> , <b>2003</b> , 1, 41-47	0.3	4
47	Detection of Chaos and Fractals from Experimental Time Series <b>1999</b> , 669-687		4
46	Recent Advances in Computer Audition for Diagnosing COVID-19: An Overview <b>2021</b> ,		4
45	Fast algorithm of long-range cross-correlation analysis using Savitzky-Golay detrending filter and its application to biosignal analysis <b>2017</b> ,		3
44	Rank among Peers during Game Competition Affects the Tendency to Make Risky Choices in Adolescent Males. <i>Frontiers in Psychology</i> , <b>2017</b> , 8, 16	3.4	3
43	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> , <b>2014</b> , 2014, 6635-8	0.9	3
42	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> , <b>2014</b> , 36, 471-7	2.2	3
41	Extracting a stimulus-unlocked component from EEG during NoGo trials of a Go/NoGo task. <i>NeuroImage</i> , <b>2008</b> , 41, 777-88	7.9	3
40	Functional stochastic resonance in human baroreflex induced by 1/f-type noisy galvanic vestibular stimulation <b>2003</b> ,		3
39	Behavioral stochastic resonance associated with large-scale synchronization of human brain activity <b>2004</b> , 5467, 359		3
38	Automatic Detection of Major Depressive Disorder via a Bag-of-Behaviour-Words Approach <b>2019</b> ,		3
37	Learning Multimodal Representations for Drowsiness Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-10	6.1	3
36	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> , <b>2018</b> , 57, 122-128	1.5	2
35	Scattering Transform of Heart Rate Variability for the Prediction of Ischemic Stroke in Patients with Atrial Fibrillation. <i>Methods of Information in Medicine</i> , <b>2018</b> , 57, 141-145	1.5	2
34	Heart Rate Variability and Cardiac Diseases <b>2017</b> , 163-178		2
33	Locomotor micro-activities associated with therapeutic responses in patients with seasonal affective disorders. <i>Integrative Medicine International</i> , <b>2015</b> , 1, 151-161	1.4	2

32	Noise-driven switching between limit cycles and adaptability in a small-dimensional excitable network with balanced coupling. <i>Physical Review E</i> , <b>2006</b> , 73, 031914	2.4	2
31	Noise-induced sensitization of human brain. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2002</b> , 314, 53-60	3.3	2
30	Changes in the Hurst Exponent of Heart Rate Variability during Physical Activity. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	2
29	Similar age-related changes in running performance and growth in adolescent monozygotic twins. <i>American Journal of Human Biology</i> , <b>2000</b> , 12, 623-632	2.7	2
28	Can Appliances Understand the Behavior of Elderly Via Machine Learning? A Feasibility Study. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 8343-8355	10.7	2
27	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> , <b>2016</b> , 17, 1470320316643905	3	2
26	Assessing cardiac autonomic function via heart rate variability analysis requires monitoring respiration: reply. <i>Europace</i> , <b>2016</b> , 18, 1280-1	3.9	2
25	Application of Empirical Mode Decomposition to Mother and Infant Physical Activity. <i>Methods of Information in Medicine</i> , <b>2018</b> , 57, 152-157	1.5	2
24	Preceding psychological factors and calorie intake in patients with type 2 diabetes: investigation by ecological momentary assessment. <i>BioPsychoSocial Medicine</i> , <b>2019</b> , 13, 20	2.8	1
23	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> , <b>2019</b> , 20, 1470320319839525	3	1
22	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> , <b>2015</b> , 2015, 4021-4	0.9	1
21	Multiscale Fluctuation Analysis Revisited. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	1
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