

# Ken Kiyono

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/207215/ken-kiyono-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98  
papers

1,471  
citations

21  
h-index

35  
g-index

121  
ext. papers

1,830  
ext. citations

3  
avg. IF

4.78  
L-index

#	Paper	IF	Citations
98	Assessment of long-range cross-correlations in cardiorespiratory and cardiovascular interactions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2021</b> , 379, 20200249		1
97	Clinical phenotypes of patients with non-valvular atrial fibrillation as defined by a cluster analysis: A report from the J-RHYTHM registry. <i>IJC Heart and Vasculature</i> , <b>2021</b> , 37, 100885	2.4	0
96	Factors Related to Personal Health Data Sharing: Data Usefulness, Sensitivity and Anonymity. <i>Studies in Health Technology and Informatics</i> , <b>2021</b> , 281, 1051-1055	0.5	2
95	Automatic Classification of Screen Gaze and Dialogue in Doctor-Patient-Computer Interactions: Computational Ethnography Algorithm Development and Validation. <i>Journal of Medical Internet Research</i> , <b>2021</b> , 23, e25218	7.6	
94	An Acoustic Way to Support Japanese Children's Effective English Learning in School Classrooms. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6062	2.6	0
93	Comparison among random forest, logistic regression, and existing clinical risk scores for predicting outcomes in patients with atrial fibrillation: A report from the J-RHYTHM registry. <i>Clinical Cardiology</i> , <b>2021</b> , 44, 1305-1315	3.3	4
92	Cross-correlated fractal components of H-wave amplitude fluctuations in medial gastrocnemius and soleus muscles. <i>Neuroscience Letters</i> , <b>2021</b> , 765, 136264	3.3	
91	Safety and feasibility of a telemonitoring-guided exercise program in patients receiving cardiac resynchronization therapy. <i>Annals of Noninvasive Electrocardiology</i> , <b>2021</b> , e12926	1.5	1
90	Association between inflammation and skeletal muscle proteolysis, skeletal mass and strength in elderly heart failure patients and their prognostic implications. <i>BMC Cardiovascular Disorders</i> , <b>2020</b> , 20, 228	2.3	6
89	Infants Show Physiological Responses Specific to Parental Hugs. <i>IScience</i> , <b>2020</b> , 23, 100996	6.1	6
88	Evaluation of Sleep Quality in a Disaster Evacuee Environment. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	2
87	Association between PM2.5 exposure and heart rate variability for the patients with cardiac problems in Japan. <i>Air Quality, Atmosphere and Health</i> , <b>2020</b> , 13, 339-347	5.6	5
86	Detection of oriented fractal scaling components in anisotropic two-dimensional trajectories. <i>Scientific Reports</i> , <b>2020</b> , 10, 21892	4.9	0
85	C. elegans episodic swimming is driven by multifractal kinetics. <i>Scientific Reports</i> , <b>2020</b> , 10, 14775	4.9	2
84	Skipping Breakfast for 6 Days Delayed the Circadian Rhythm of the Body Temperature without Altering Clock Gene Expression in Human Leukocytes. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	2
83	Detrended Fluctuation, Coherence, and Spectral Power Analysis of Activation Rearrangement in EEG Dynamics During Cognitive Workload. <i>Frontiers in Human Neuroscience</i> , <b>2019</b> , 13, 270	3.3	19
82	Association between breakfast skipping and postprandial hyperglycaemia after lunch in healthy young individuals. <i>British Journal of Nutrition</i> , <b>2019</b> , 122, 431-440	3.6	10

81	Prolonged Autonomic Fluctuation Derived from Parasympathetic Hypertonia after Carotid Endarterectomy but not Stenting. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2019</b> , 28, 10-20	2.8	0
80	Analysis of the Relationship between Amplitude Modulation of Low Frequency Heart Rate Variability and Blood Pressure Variability. <i>Advanced Biomedical Engineering</i> , <b>2019</b> , 8, 78-84	0.7	1
79	Effect of skipping breakfast for 6 days on energy metabolism and diurnal rhythm of blood glucose in young healthy Japanese males. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 110, 41-52	7	18
78	Theoretical foundation of detrending methods for fluctuation analysis such as detrended fluctuation analysis and detrending moving average. <i>Physical Review E</i> , <b>2019</b> , 99, 033305	2.4	21
77	Electroencephalograms during Mental Arithmetic Task Performance. <i>Data</i> , <b>2019</b> , 4, 14	2.3	54
76	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
75	A Decision Tree-Based Survival Analysis of Patients with a History of Inappropriate Implantable Cardioverter-Defibrillator Therapy. <i>International Heart Journal</i> , <b>2019</b> , 60, 318-326	1.8	0
74	Generalized theory for detrending moving-average cross-correlation analysis: A practical guide. <i>Chaos, Solitons and Fractals: X</i> , <b>2019</b> , 3, 100022	3	4
73	Non-contact monitoring of heart rate variability using medical radar for the evaluation of dynamic changes in autonomic nervous activity during a head-up tilt test. <i>Journal of Medical Engineering and Technology</i> , <b>2019</b> , 43, 411-417	1.8	2
72	The presence of late potentials after percutaneous coronary intervention for the treatment of acute coronary syndrome as a predictor for future significant cardiac events resulting in re-hospitalization. <i>Journal of Electrocardiology</i> , <b>2019</b> , 53, 71-78	1.4	2
71	Wavelet p-Leader Non Gaussian Multiscale Expansions for Heart Rate Variability Analysis in Congestive Heart Failure Patients. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 80-88	5	11
70	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
69	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
68	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
67	Relation Between Autonomic Nervous Activity after Pulmonary Vein Isolation and Recurrence in Paroxysmal Atrial Fibrillation Patients. <i>Tokai Journal of Experimental and Clinical Medicine</i> , <b>2018</b> , 43, 153-160	0.4	2
66	Fast algorithm of long-range cross-correlation analysis using Savitzky-Golay detrending filter and its application to biosignal analysis <b>2017</b> ,		3
65	Association between Multiscale Entropy Characteristics of Heart Rate Variability and Ischemic Stroke Risk in Patients with Permanent Atrial Fibrillation. <i>Entropy</i> , <b>2017</b> , 19, 672	2.8	0
64	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

63	Theory and applications of detrending-operation-based fractal-scaling analysis <b>2017</b> ,		5
62	Inappropriate implantable cardioverter defibrillator shocks-incidence, effect, and implications for driver licensing. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2017</b> , 49, 271-280	2.4	11
61	Heart Rate Variability and Cardiac Diseases <b>2017</b> , 163-178		2
60	Heart Rate Variability (HRV) and Sympathetic Nerve Activity <b>2017</b> , 147-161		4
59	Prognostic Importance of Novel Oxygen Desaturation Metrics in Patients With Heart Failure and Central Sleep Apnea. <i>Journal of Cardiac Failure</i> , <b>2017</b> , 23, 131-137	3.3	17
58	Multiscale properties of instantaneous parasympathetic activity in severe congestive heart failure: A survivor vs non-survivor study. <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, 0711-0714	0.9	
57	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> , <b>2017</b> , 5, e13309	2.6	9
56	Beat-to-beat T-wave amplitude variability in the risk stratification of right ventricular outflow tract-premature ventricular complex patients. <i>Europace</i> , <b>2016</b> , 18, 138-45	3.9	2
55	Time and frequency domain characteristics of detrending-operation-based scaling analysis: Exact DFA and DMA frequency responses. <i>Physical Review E</i> , <b>2016</b> , 94, 012111	2.4	17
54	Fast algorithm for scaling analysis with higher-order detrending moving average method. <i>Physical Review E</i> , <b>2016</b> , 93, 053304	2.4	16
53	Detrending moving average algorithm: Frequency response and scaling performances. <i>Physical Review E</i> , <b>2016</b> , 93, 063309	2.4	25
52	Reinforcement learning for stabilizing an inverted pendulum naturally leads to intermittent feedback control as in human quiet standing. <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, 07-10	0.9	8
51	Net clinical benefit of adding aspirin to warfarin in patients with atrial fibrillation: Insights from the J-RHYTHM Registry. <i>International Journal of Cardiology</i> , <b>2016</b> , 212, 311-7	3.2	6
50	Stability and Flexibility During Human Motor Control. <i>Advances in Cognitive Neurodynamics</i> , <b>2016</b> , 67-73		1
49	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
48	A Model of Gait Cycle Variability During Human Walking. <i>Advances in Cognitive Neurodynamics</i> , <b>2016</b> , 79-84		0
47	Intermittent Feedback-Control Strategy for Stabilizing Inverted Pendulum on Manually Controlled Cart as Analogy to Human Stick Balancing. <i>Frontiers in Computational Neuroscience</i> , <b>2016</b> , 10, 34	3.5	31
46	Dynamic Determinants of the Uncontrolled Manifold during Human Quiet Stance. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 618	3.3	11

45	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, 2016, 2016, 6218-6221</i>	0.9	1
44	Postural flexibility during quiet standing in healthy elderly and patients with Parkinson's disease. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 2016, 29-32</i>	0.9	5
43	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, 2016, 17, 1470320316643905</i>	3	2
42	Nonlinear filtering properties of detrended fluctuation analysis. <i>Physica A: Statistical Mechanics and Its Applications, 2016, 462, 807-815</i>	3.3	17
41	Intermittent appearances of saddle-type hyperbolic dynamics during human stick balancing on a manually controlled cart. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015, 2015, 3500-3</i>	0.9	1
40	Universal and individual characteristics of postural sway during quiet standing in healthy young adults. <i>Physiological Reports, 2015, 3, e12329</i>	2.6	57
39	Establishing a direct connection between detrended fluctuation analysis and Fourier analysis. <i>Physical Review E, 2015, 92, 042925</i>	2.4	41
38	Non-actively controlled double-inverted-pendulum-like dynamics can minimize center of mass acceleration during human quiet standing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015, 2015, 1422-5</i>	0.9	6
37	Point-process high-resolution representations of heartbeat dynamics for multiscale analysis: A CHF survivor prediction study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2015, 2015, 1951-4</i>	0.9	1
36	Multiscale Entropy of the Heart Rate Variability for the Prediction of an Ischemic Stroke in Patients with Permanent Atrial Fibrillation. <i>PLoS ONE, 2015, 10, e0137144</i>	3.7	23
35	The effect of nocturnal blue light exposure from light-emitting diodes on wakefulness and energy metabolism the following morning. <i>Environmental Health and Preventive Medicine, 2014, 19, 354-61</i>	4.2	22
34	Multiscale wavelet p-leader based heart rate variability analysis for survival probability assessment in CHF patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2014, 2014, 2802-12</i>	0.9	11
33	An intermittent control model of flexible human gait using a stable manifold of saddle-type unstable limit cycle dynamics. <i>Journal of the Royal Society Interface, 2014, 11, 20140958</i>	4.1	17
32	Modeling human postural sway using an intermittent control and hemodynamic perturbations. <i>Mathematical Biosciences, 2013, 245, 86-95</i>	3.9	55
31	Lack of negative correlation in glucose dynamics by nonexercise activity thermogenesis restriction in healthy adults. <i>Medicine and Science in Sports and Exercise, 2013, 45, 60-6</i>	1.2	4
30	Log-amplitude statistics for Beck-Cohen superstatistics. <i>Physical Review E, 2013, 87, 052104</i>	2.4	8
29	A Theoretical Study on a Computational Algorithm for Human Posture Estimation Based on Motion Capture of a Small Number of Markers. <i>Advanced Biomedical Engineering, 2013, 2, 107-116</i>	0.7	2
28	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, 2012, 61, 1041-50</i>	12.7	17

27	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
26	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
25	Asymmetric intermittency observed in human heart rate dynamics. <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, 7743-6	0.9	
24	?????????????????????????????. <i>Journal of the Japan Society for Precision Engineering</i> , <b>2011</b> , 77, 153-157	0.1	
23	Log-amplitude statistics of non-Gaussian fluctuations. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 221, 012010	0.3	1
22	Log-amplitude statistics of intermittent and non-Gaussian time series. <i>Physical Review E</i> , <b>2009</b> , 79, 031129	2.4	14
21	Statistical physics of human heart rate in health and disease. <i>Understanding Complex Systems</i> , <b>2009</b> , 139-154	1.4	1
20	On the recurrence time of earthquakes: insight from Vrancea (Romania) intermediate-depth events. <i>Geophysical Journal International</i> , <b>2008</b> , 172, 395-404	2.6	15
19	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
18	Increased heteroscedasticity of heart rate in fatal heart failure. <i>Europhysics Letters</i> , <b>2008</b> , 82, 28005	1.6	6
17	Long-range Correlated Glucose Fluctuations in Diabetes. <i>Methods of Information in Medicine</i> , <b>2007</b> , 46, 222-226	1.5	25
16	Autonomic Imbalance Induced Breakdown of Long-range Dependence in Healthy Heart Rate. <i>Methods of Information in Medicine</i> , <b>2007</b> , 46, 174-178	1.5	12
15	Multiscale Fluctuation Analysis Revisited. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	1
14	Estimator of a non-Gaussian parameter in multiplicative log-normal models. <i>Physical Review E</i> , <b>2007</b> , 76, 041113	2.4	37
13	Universal scaling law in human behavioral organization. <i>Physical Review Letters</i> , <b>2007</b> , 99, 138103	7.4	102
12	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
11	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
10	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

9	Criticality and phase transition in stock-price fluctuations. <i>Physical Review Letters</i> , <b>2006</b> , 96, 068701	7.4	78
8	Changes in the Hurst Exponent of Heart Rate Variability during Physical Activity. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	2
7	Phase transition in a healthy human heart rate. <i>Physical Review Letters</i> , <b>2005</b> , 95, 058101	7.4	82
6	Critical scale invariance in a healthy human heart rate. <i>Physical Review Letters</i> , <b>2004</b> , 93, 178103	7.4	88
5	Picture of the low-dimensional structure in chaotic dripping faucets. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2003</b> , 320, 47-52	2.3	8
4	Bifurcations Induced by Periodic Forcing and Taming Chaos in Dripping Faucets. <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 49-55	1.5	3
3	Dripping Faucet Dynamics by an Improved Mass-Spring Model. <i>Journal of the Physical Society of Japan</i> , <b>1999</b> , 68, 3259-3270	1.5	24
2	Simulation of a Dripping Faucet. <i>Journal of the Physical Society of Japan</i> , <b>1999</b> , 68, 1185-1196	1.5	32
1	C. elegans episodic swimming is driven by multifractal kinetics		1