

Chung-Kang Peng

List of Publications by Year in descending order

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Version: 2024-02-01

206
papers

45,175
citations

8755

75
h-index

2033

205
g-index

210
all docs

210
docs citations

210
times ranked

25211
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations of Reduced Sympathetic Neural Activity and Elevated Baroreflex Sensitivity With Non-Rapid Eye Movement Sleep: Evidence From Electroencephalogram- and Electrocardiogram-Based Sleep Staging. <i>Psychosomatic Medicine</i> , 2022, 84, 621-631.	2.0	3
2	Slow wave synchronization and sleep state transitions. <i>Scientific Reports</i> , 2022, 12, 7467.	3.3	6
3	Reply To: Comments on identifying causal relationships in nonlinear dynamical systems via empirical mode decomposition. <i>Nature Communications</i> , 2022, 13, .	12.8	1
4	Phenotyping Neuropsychiatric Symptoms Profiles of Alzheimer's Disease Using Cluster Analysis on EEG Power. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 623930.	3.4	4
5	Automatic classification of excitation location of snoring sounds. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 1031-1038.	2.6	8
6	The Value of Heart Rhythm Complexity in Identifying High-Risk Pulmonary Hypertension Patients. <i>Entropy</i> , 2021, 23, 753.	2.2	4
7	Tai Chi training's effect on lower extremity muscle co-contraction during single- and dual-task gait: Cross-sectional and randomized trial studies. <i>PLoS ONE</i> , 2021, 16, e0242963.	2.5	10
8	Electrocardiogram-based sleep analysis for sleep apnea screening and diagnosis. <i>Sleep and Breathing</i> , 2020, 24, 231-240.	1.7	22
9	Heart Rhythm Complexity Predicts Long-Term Cardiovascular Outcomes in Peritoneal Dialysis Patients: A Prospective Cohort Study. <i>Journal of the American Heart Association</i> , 2020, 9, e013036.	3.7	8
10	Heart rate variability and surgical pleth index under anesthesia in poor and normal sleepers. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 1311-1319.	1.6	6
11	Sleep state instabilities in patients with periodic limb movements in sleep - Detection and quantification with heart rate variability. <i>Psychiatry Research</i> , 2020, 293, 113454.	3.3	2
12	On the Variability of Heart Rate Variability—Evidence from Prospective Study of Healthy Young College Students. <i>Entropy</i> , 2020, 22, 1302.	2.2	12
13	Multiscale cumulative residual distribution entropy and its applications on heart rate time series. <i>Nonlinear Dynamics</i> , 2020, 101, 2357-2368.	5.2	4
14	Usefulness of heart rhythm complexity in heart failure detection and diagnosis. <i>Scientific Reports</i> , 2020, 10, 14916.	3.3	23
15	Measuring time series based on multiscale dispersion Lempel-Ziv complexity and dispersion entropy plane. <i>Chaos, Solitons and Fractals</i> , 2020, 137, 109868.	5.1	26
16	Analysis of economic growth fluctuations based on EEMD and causal decomposition. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 553, 124661.	2.6	15
17	Age-related changes in the association of resting-state fMRI signal variability and global functional connectivity in non-demented healthy people. <i>Psychiatry Research</i> , 2020, 291, 113257.	3.3	6
18	Symbolic dynamics of electroencephalography is associated with the sleep depth and overall sleep quality in healthy adults. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 22-31.	2.6	8

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19	Heart Rhythm Complexity Impairment in Patients with Pulmonary Hypertension. <i>Scientific Reports</i> , 2019, 9, 10710.	3.3	15
20	Complexity-Based Measures of Heart Rate Dynamics in Older Adults Following Long- and Short-Term Tai Chi Training: Cross-sectional and Randomized Trial Studies. <i>Scientific Reports</i> , 2019, 9, 7500.	3.3	14
21	The application of multiscale joint permutation entropy on multichannel sleep electroencephalography. <i>AIP Advances</i> , 2019, 9, 125214.	1.3	2
22	Topological reorganization of EEG functional network is associated with the severity and cognitive impairment in Alzheimer's disease. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 588-597.	2.6	7
23	Multiscale joint permutation entropy for complex time series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 515, 388-402.	2.6	9
24	Prediction of atrial fibrillation recurrence before catheter ablation using an adaptive nonlinear and non-stationary surface ECG analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 514, 9-19.	2.6	3
25	The Effects of Tai Chi on Sleep Quality in Chinese American Patients With Major Depressive Disorder: A Pilot Study. <i>Behavioral Sleep Medicine</i> , 2018, 16, 398-411.	2.1	13
26	Nonlinear dynamical analysis of sleep electroencephalography using fractal and entropy approaches. <i>Sleep Medicine Reviews</i> , 2018, 37, 85-93.	8.5	113
27	Age-Related Alterations in Electroencephalography Connectivity and Network Topology During n-Back Working Memory Task. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 484.	2.0	28
28	Complexity of Wake Electroencephalography Correlates With Slow Wave Activity After Sleep Onset. <i>Frontiers in Neuroscience</i> , 2018, 12, 809.	2.8	10
29	Dynamic Cerebral Autoregulation Is an Independent Functional Outcome Predictor of Mild Acute Ischemic Stroke. <i>Stroke</i> , 2018, 49, 2605-2611.	2.0	30
30	The association between heart rhythm complexity and the severity of abdominal aorta calcification in peritoneal dialysis patients. <i>Scientific Reports</i> , 2018, 8, 15627.	3.3	6
31	Functional brain lateralization in schizophrenia based on the variability of resting-state fMRI signal. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 86, 114-121.	4.8	24
32	A Strategy to Reduce Bias of Entropy Estimates in Resting-State fMRI Signals. <i>Frontiers in Neuroscience</i> , 2018, 12, 398.	2.8	26
33	Causal decomposition in the mutual causation system. <i>Nature Communications</i> , 2018, 9, 3378.	12.8	43
34	Frequency and amplitude modulation of resting-state fMRI signals and their functional relevance in normal aging. <i>Neurobiology of Aging</i> , 2018, 70, 59-69.	3.1	25
35	Serial heart rhythm complexity changes in patients with anterior wall ST segment elevation myocardial infarction. <i>Scientific Reports</i> , 2017, 7, 43507.	3.3	15
36	Dynamic Cerebral Autoregulation Assessment Using Extracranial Internal Carotid Artery Doppler Ultrasonography. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1307-1313.	1.5	12

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37	Measuring information-based energy and temperature of literary texts. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 468, 783-789.	2.6	7
38	Cardiac Autonomic Alteration and Metabolic Syndrome: An Ambulatory ECG-based Study in A General Population. <i>Scientific Reports</i> , 2017, 7, 44363.	3.3	26
39	Reference values of heart rate variability. <i>Heart Rhythm</i> , 2017, 14, 302-303.	0.7	24
40	Effects of slow and regular breathing exercise on cardiopulmonary coupling and blood pressure. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 327-341.	2.8	26
41	Automated Detection of Paroxysmal Atrial Fibrillation Using an Information-Based Similarity Approach. <i>Entropy</i> , 2017, 19, 677.	2.2	25
42	Ambulatory Blood Pressure Monitoring in Chinese Patients with Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 433-439.	2.6	18
43	Entropy of Entropy: Measurement of Dynamical Complexity for Biological Systems. <i>Entropy</i> , 2017, 19, 550.	2.2	28
44	A Higher Proportion of Metabolic Syndrome in Chinese Subjects with Sleep-Disordered Breathing: A Case-Control Study Based on Electrocardiogram-Derived Sleep Analysis. <i>PLoS ONE</i> , 2017, 12, e0169394.	2.5	19
45	Experimental chronic kidney disease attenuates ischemia-reperfusion injury in an ex vivo rat lung model. <i>PLoS ONE</i> , 2017, 12, e0171736.	2.5	7
46	Can Tai Chi training impact fractal stride time dynamics, an index of gait health, in older adults? Cross-sectional and randomized trial studies. <i>PLoS ONE</i> , 2017, 12, e0186212.	2.5	20
47	Novel application of multi dynamic trend analysis as a sensitive tool for detecting the effects of aging and congestive heart failure on heart rate variability. <i>Chaos</i> , 2016, 26, 023109.	2.5	10
48	A robust approach for ECG-based analysis of cardiopulmonary coupling. <i>Medical Engineering and Physics</i> , 2016, 38, 671-678.	1.7	10
49	Assessing cardiac autonomic function via heart rate variability analysis requires monitoring respiration: reply. <i>Europace</i> , 2016, 18, 1280.2-1281.	1.7	3
50	Heart rhythm complexity impairment in patients undergoing peritoneal dialysis. <i>Scientific Reports</i> , 2016, 6, 28202.	3.3	24
51	Frontal electroencephalogram analysis with ensemble empirical mode decomposition during the induction of general anesthesia. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 065004.	1.2	0
52	Scale-dependent intrinsic entropies of complex time series. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150204.	3.4	6
53	On Holo-Hilbert spectral analysis: a full informational spectral representation for nonlinear and non-stationary data. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150206.	3.4	75
54	Complexity of cardiac signals for predicting changes in alpha-waves after stress in patients undergoing cardiac catheterization. <i>Scientific Reports</i> , 2015, 5, 13315.	3.3	16

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55	Impact of Short- and Long-term Tai Chi Mind-Body Exercise Training on Cognitive Function in Healthy Adults: Results from a Hybrid Observational Study and Randomized Trial. <i>Global Advances in Health and Medicine</i> , 2015, 4, 38-48.	1.6	28
56	Reversible heart rhythm complexity impairment in patients with primary aldosteronism. <i>Scientific Reports</i> , 2015, 5, 11249.	3.3	20
57	Multiscale Entropy Analysis of Center-of-Pressure Dynamics in Human Postural Control: Methodological Considerations. <i>Entropy</i> , 2015, 17, 7926-7947.	2.2	74
58	Tai Chi Training may Reduce Dual Task Gait Variability, a Potential Mediator of Fall Risk, in Healthy Older Adults: Cross-Sectional and Randomized Trial Studies. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 332.	2.0	42
59	Decreased resting state brain activity complexity in schizophrenia characterized by both increased regularity and randomness. <i>Human Brain Mapping</i> , 2015, 36, 2174-2186.	3.6	65
60	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, 1341-1353.	1.7	589
61	Publication analysis on insomnia: how much has been done in the past two decades?. <i>Sleep Medicine</i> , 2015, 16, 820-826.	1.6	34
62	Outlier-resilient complexity analysis of heartbeat dynamics. <i>Scientific Reports</i> , 2015, 5, 8836.	3.3	20
63	Multi-Scale Glycemic Variability: A Link to Gray Matter Atrophy and Cognitive Decline in Type 2 Diabetes. <i>PLoS ONE</i> , 2014, 9, e86284.	2.5	68
64	Multi-scale symbolic entropy analysis provides prognostic prediction in patients receiving extracorporeal life support. <i>Critical Care</i> , 2014, 18, 548.	5.8	32
65	The APOE ϵ 4 allele affects complexity and functional connectivity of resting brain activity in healthy adults. <i>Human Brain Mapping</i> , 2014, 35, 3238-3248.	3.6	48
66	Emergence of dynamical complexity related to human heart rate variability. <i>Physical Review E</i> , 2014, 90, 062806.	2.1	10
67	Relationship between delta power and the electrocardiogram-derived cardiopulmonary spectrogram: possible implications for assessing the effectiveness of sleep. <i>Sleep Medicine</i> , 2014, 15, 125-131.	1.6	67
68	Revealing the brain's adaptability and the transcranial direct current stimulation facilitating effect in inhibitory control by multiscale entropy. <i>NeuroImage</i> , 2014, 90, 218-234.	4.2	74
69	Analysis of complex time series using refined composite multiscale entropy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1369-1374.	2.1	262
70	Applications of dynamical complexity theory in traditional Chinese medicine. <i>Frontiers of Medicine</i> , 2014, 8, 279-284.	3.4	21
71	The association of physical activity to neural adaptability during visuo-spatial processing in healthy elderly adults: A multiscale entropy analysis. <i>Brain and Cognition</i> , 2014, 92, 73-83.	1.8	27
72	Interplay of synchronized music. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12960-12961.	7.1	1

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73	Development of a new approach to quantifying stepping stability using ensemble empirical mode decomposition. <i>Gait and Posture</i> , 2014, 39, 495-500.	1.4	19
74	Complexity-Based Measures Inform Effects of Tai Chi Training on Standing Postural Control: Cross-Sectional and Randomized Trial Studies. <i>PLoS ONE</i> , 2014, 9, e114731.	2.5	58
75	Entropy-based method for COP data analysis. <i>Theoretical Issues in Ergonomics Science</i> , 2013, 14, 227-246.	1.8	25
76	Novel MRI-compatible tactile stimulator for cortical mapping of foot sole pressure stimuli with fMRI. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1194-1199.	3.0	20
77	Suicide and media reporting: a longitudinal and spatial analysis. <i>Social Psychiatry and Psychiatric Epidemiology</i> , 2013, 48, 427-435.	3.1	43
78	Complexity-based measures inform tai chi's impact on standing postural control in older adults with peripheral neuropathy. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 87.	3.7	39
79	Cognitive and neuropsychiatric correlates of EEG dynamic complexity in patients with Alzheimer's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 47, 52-61.	4.8	104
80	Investigating the interaction between heart rate variability and sleep EEG using nonlinear algorithms. <i>Journal of Neuroscience Methods</i> , 2013, 219, 233-239.	2.5	24
81	A systems biology approach to studying Tai Chi, physiological complexity and healthy aging: Design and rationale of a pragmatic randomized controlled trial. <i>Contemporary Clinical Trials</i> , 2013, 34, 21-34.	1.8	58
82	Complexity of spontaneous BOLD activity in default mode network is correlated with cognitive function in normal male elderly: a multiscale entropy analysis. <i>Neurobiology of Aging</i> , 2013, 34, 428-438.	3.1	166
83	Effects of Age, Sex, Index Admission, and Predominant Polarity on the Seasonality of Acute Admissions For Bipolar Disorder: A Population-Based Study. <i>Chronobiology International</i> , 2013, 30, 478-485.	2.0	29
84	A Nonlinear Dynamic Approach Reveals a Long-Term Stroke Effect on Cerebral Blood Flow Regulation at Multiple Time Scales. <i>PLoS Computational Biology</i> , 2012, 8, e1002601.	3.2	31
85	HHT based cardiopulmonary coupling analysis for sleep apnea detection. <i>Sleep Medicine</i> , 2012, 13, 503-509.	1.6	33
86	Posturo-respiratory synchronization: Effects of aging and stroke. <i>Gait and Posture</i> , 2012, 36, 254-259.	1.4	19
87	Probabilistic sleep architecture models in patients with and without sleep apnea. <i>Journal of Sleep Research</i> , 2012, 21, 330-341.	3.2	34
88	ECG-derived cardiopulmonary analysis of pediatric sleep-disordered breathing. <i>Sleep Medicine</i> , 2011, 12, 384-389.	1.6	26
89	Temporal Associations between Weather and Headache: Analysis by Empirical Mode Decomposition. <i>PLoS ONE</i> , 2011, 6, e14612.	2.5	39
90	Sleep state instabilities in major depressive disorder: Detection and quantification with electrocardiogram-based cardiopulmonary coupling analysis. <i>Psychophysiology</i> , 2011, 48, 285-291.	2.4	53

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91	Association of Internet search trends with suicide death in Taipei City, Taiwan, 2004–2009. <i>Journal of Affective Disorders</i> , 2011, 132, 179-184.	4.1	101
92	Hierarchical entropy analysis for biological signals. <i>Journal of Computational and Applied Mathematics</i> , 2011, 236, 728-742.	2.0	87
93	Generating signals with multiscale time irreversibility: The asymmetric weierstrass function. <i>Complexity</i> , 2011, 16, 29-38.	1.6	21
94	Clustering Heart Rate Dynamics Is Associated with β_2 -Adrenergic Receptor Polymorphisms: Analysis by Information-Based Similarity Index. <i>PLoS ONE</i> , 2011, 6, e19232.	2.5	18
95	Physiological complexity and system adaptability: evidence from postural control dynamics of older adults. <i>Journal of Applied Physiology</i> , 2010, 109, 1786-1791.	2.5	235
96	Heritability of Abnormalities in Cardiopulmonary Coupling in Sleep Apnea: Use of an Electrocardiogram-based Technique. <i>Sleep</i> , 2010, 33, 643-646.	1.1	29
97	Do Seasons Have an Influence on the Incidence of Depression? The Use of an Internet Search Engine Query Data as a Proxy of Human Affect. <i>PLoS ONE</i> , 2010, 5, e13728.	2.5	116
98	The relationship between aminoterminal propeptide of type III procollagen and heart rate variability parameters in heart failure patients: a potential serum marker to evaluate cardiac autonomic control and sudden cardiac death. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 1821-7.	2.3	14
99	AUTOMATED SLEEP STAGING TECHNIQUE BASED ON THE EMPIRICAL MODE DECOMPOSITION ALGORITHM: A PRELIMINARY STUDY. <i>Advances in Adaptive Data Analysis</i> , 2010, 02, 267-276.	0.6	9
100	Impaired sleep quality in fibromyalgia: Detection and quantification with ECG-based cardiopulmonary coupling spectrograms. <i>Sleep Medicine</i> , 2010, 11, 497-498.	1.6	37
101	Obstructive Sleep Apnea Alters Sleep Stage Transition Dynamics. <i>PLoS ONE</i> , 2010, 5, e11356.	2.5	100
102	Nonlinear phase interaction between nonstationary signals: A comparison study of methods based on Hilbert-Huang and Fourier transforms. <i>Physical Review E</i> , 2009, 79, 061924.	2.1	57
103	Nonlinear Pressure-Flow Relationship Is Able to Detect Asymmetry of Brain Blood Circulation Associated with Midline Shift. <i>Journal of Neurotrauma</i> , 2009, 26, 227-233.	3.4	21
104	Frailty and the Degradation of Complex Balance Dynamics During a Dual-Task Protocol. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 1304-1311.	3.6	120
105	ADAPTIVE DATA ANALYSIS OF COMPLEX FLUCTUATIONS IN PHYSIOLOGIC TIME SERIES. <i>Advances in Adaptive Data Analysis</i> , 2009, 01, 61-70.	0.6	124
106	Early hepatitis B virus DNA reduction in hepatitis B e antigen-positive patients with chronic hepatitis B: A randomized international study of entecavir versus adefovir. <i>Hepatology</i> , 2009, 49, 72-79.	7.3	163
107	Assessing severity of obstructive sleep apnea by fractal dimension sequence analysis of sleep EEG. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4407-4414.	2.6	17
108	Prevalent hypertension and stroke in the Sleep Heart Health Study: association with an ECG-derived spectrographic marker of cardiopulmonary coupling. <i>Sleep</i> , 2009, 32, 897-904.	1.1	45

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109	Nonlinear Assessment of Cerebral Autoregulation from Spontaneous Blood Pressure and Cerebral Blood Flow Fluctuations. Cardiovascular Engineering (Dordrecht, Netherlands), 2008, 8, 60-71.	1.0	73
110	Multiscale Analysis of Heart Rate Dynamics: Entropy and Time Irreversibility Measures. Cardiovascular Engineering (Dordrecht, Netherlands), 2008, 8, 88-93.	1.0	250
111	Altered phase interactions between spontaneous blood pressure and flow fluctuations in type 2 diabetes mellitus: Nonlinear assessment of cerebral autoregulation. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 2279-2292.	2.6	44
112	Complex dynamics of human red blood cell flickering: Alterations with <i>in vivo</i> aging. Physical Review E, 2008, 78, 020901.	2.1	60
113	Enhancement of sleep stability with Tai Chi exercise in chronic heart failure: Preliminary findings using an ECG-based spectrogram method. Sleep Medicine, 2008, 9, 527-536.	1.6	71
114	Investigating complex patterns of blocked intestinal artery blood pressure signals by empirical mode decomposition and linguistic analysis. Journal of Physics: Conference Series, 2008, 96, 012153.	0.4	8
115	A NOVEL BLOCKING INDEX BASED ON SIMILARITY MEASUREMENT APPLIED IN DISTINGUISHING THE PATTERNS OF BLOOD PRESSURE SIGNALS AT DYNAMICALLY TRANSITIONAL SITUATION. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 107-114.	0.6	1
116	Multimodal Pressure-Flow Analysis: Application of Hilbert Huang Transform in Cerebral Blood Flow Regulation. Eurasip Journal on Advances in Signal Processing, 2008, 2008, 785243.	1.7	38
117	Complexity and Frailty: Multiscale Entropy of Balance Dynamics During Quiet Standing and Dual-Task: The Mobilize Boston Study. , 2008, , .		0
118	Noise and poise: Enhancement of postural complexity in the elderly with a stochastic-resonance-based therapy. Europhysics Letters, 2007, 77, 68008.	2.0	185
119	Statistical physics approach to categorize biologic signals: From heart rate dynamics to DNA sequences. Chaos, 2007, 17, 015115.	2.5	31
120	On the trend, detrending, and variability of nonlinear and nonstationary time series. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14889-14894.	7.1	729
121	Differentiating Obstructive from Central and Complex Sleep Apnea Using an Automated Electrocardiogram-Based Method. Sleep, 2007, 30, 1756-1769.	1.1	153
122	An Electrocardiogram-Based Technique to Assess Cardiopulmonary Coupling During Sleep. Sleep, 2005, 28, 1151-1161.	1.1	238
123	Genomic Classification Using an Information-Based Similarity Index: Application to the SARS Coronavirus. Journal of Computational Biology, 2005, 12, 1103-1116.	1.6	39
124	Multiscale entropy analysis of biological signals. Physical Review E, 2005, 71, 021906.	2.1	1,882
125	Broken Asymmetry of the Human Heartbeat: Loss of Time Irreversibility in Aging and Disease. Physical Review Letters, 2005, 95, 198102.	7.8	212
126	Yanget al.Reply:. Physical Review Letters, 2004, 92, .	7.8	9

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127	Costa, Goldberger, and Peng Reply:. Physical Review Letters, 2004, 92, .	7.8	23
128	Gait unsteadiness and fall risk in two affective disorders: a preliminary study. BMC Psychiatry, 2004, 4, 39.	2.6	83
129	Multimodal pressure-flow method to assess dynamics of cerebral autoregulation in stroke and hypertension. BioMedical Engineering OnLine, 2004, 3, 39.	2.7	88
130	Heart rate dynamics during three forms of meditation. International Journal of Cardiology, 2004, 95, 19-27.	1.7	184
131	Multiscale entropy analysis of human gait dynamics. Physica A: Statistical Mechanics and Its Applications, 2003, 330, 53-60.	2.6	433
132	Magnitude and sign scaling in power-law correlated time series. Physica A: Statistical Mechanics and Its Applications, 2003, 323, 19-41.	2.6	160
133	Information categorization approach to literary authorship disputes. Physica A: Statistical Mechanics and Its Applications, 2003, 329, 473-483.	2.6	49
134	Diurnal and Ultradian Dynamics of Serum Adiponectin in Healthy Men: Comparison with Leptin, Circulating Soluble Leptin Receptor, and Cortisol Patterns. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2838-2843.	3.6	299
135	Linguistic Analysis of the Human Heartbeat Using Frequency and Rank Order Statistics. Physical Review Letters, 2003, 90, 108103.	7.8	158
136	Costa, Goldberger, and Peng Reply:. Physical Review Letters, 2003, 91, .	7.8	8
137	The pNNx files: re-examining a widely used heart rate variability measure. British Heart Journal, 2002, 88, 378-380.	2.1	204
138	Multiscale Entropy Analysis of Complex Physiologic Time Series. Physical Review Letters, 2002, 89, 068102.	7.8	2,449
139	Fractal dynamics in physiology: Alterations with disease and aging. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2466-2472.	7.1	1,731
140	What is physiologic complexity and how does it change with aging and disease?. Neurobiology of Aging, 2002, 23, 23-26.	3.1	729
141	Quantifying Fractal Dynamics of Human Respiration: Age and Gender Effects. Annals of Biomedical Engineering, 2002, 30, 683-692.	2.5	247
142	When human walking becomes random walking: fractal analysis and modeling of gait rhythm fluctuations. Physica A: Statistical Mechanics and Its Applications, 2001, 302, 138-147.	2.6	188
143	Magnitude and Sign Correlations in Heartbeat Fluctuations. Physical Review Letters, 2001, 86, 1900-1903.	7.8	361
144	A new method to determine a fractal dimension of non-stationary biological time-series data. Computers in Biology and Medicine, 2000, 30, 237-245.	7.0	15

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145	Fluctuations and Fractal Noise in Biological Membranes. <i>Journal of Membrane Biology</i> , 2000, 177, 177-185.	2.1	35
146	Fractal Correlation Properties of R-R Interval Dynamics and Mortality in Patients With Depressed Left Ventricular Function After an Acute Myocardial Infarction. <i>Circulation</i> , 2000, 101, 47-53.	1.6	641
147	PhysioBank, PhysioToolkit, and PhysioNet. <i>Circulation</i> , 2000, 101, E215-20.	1.6	10,241
148	Maturation of gait dynamics: stride-to-stride variability and its temporal organization in children. <i>Journal of Applied Physiology</i> , 1999, 86, 1040-1047.	2.5	323
149	Cardiac Interbeat Interval Dynamics From Childhood to Senescence. <i>Circulation</i> , 1999, 100, 393-399.	1.6	372
150	Application of statistical physics to heartbeat diagnosis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 274, 99-110.	2.6	102
151	Scaling features of noncoding DNA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 273, 1-18.	2.6	104
152	Statistical physics and physiology: Monofractal and multifractal approaches. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 270, 309-324.	2.6	323
153	Scaling in nature: from DNA through heartbeats to weather. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 273, 46-69.	2.6	79
154	Econophysics: can statistical physics contribute to the science of economics?. <i>Computer Physics Communications</i> , 1999, 121-122, 145-152.	7.5	19
155	Heart rate dynamics before spontaneous onset of ventricular fibrillation in patients with healed myocardial infarcts. <i>American Journal of Cardiology</i> , 1999, 83, 880-884.	1.6	155
156	Fractal analysis of heart rate dynamics as a predictor of mortality in patients with depressed left ventricular function after acute myocardial infarction. <i>American Journal of Cardiology</i> , 1999, 83, 836-839.	1.6	259
157	Statistical properties of the volatility of price fluctuations. <i>Physical Review E</i> , 1999, 60, 1390-1400.	2.1	631
158	Exaggerated heart rate oscillations during two meditation techniques. <i>International Journal of Cardiology</i> , 1999, 70, 101-107.	1.7	204
159	Multiple-time scales analysis of physiological time series under neural control. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 249, 491-500.	2.6	61
160	Scaling and universality in heart rate variability distributions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 249, 587-593.	2.6	82
161	Heart Rate Dynamics in Patients With Stable Angina Pectoris and Utility of Fractal and Complexity Measures. <i>American Journal of Cardiology</i> , 1998, 81, 27-31.	1.6	143
162	Analysis of DNA sequences using methods of statistical physics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 249, 430-438.	2.6	140

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