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The appropriate use of approximate entropy and sample entropy with short data sets

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#	Paper	IF	Citations
578	Sample entropy characteristics of movement for four foot types based on plantar centre of pressure during stance phase. <b>2013</b> , 12, 101		20
577	KOLMOGOROV COMPLEXITY SPECTRUM FOR USE IN ANALYSIS OF UV-B RADIATION TIME SERIES. <b>2013</b> , 27, 1350194		6
576	Sample entropy reveals high discriminative power between young and elderly adults in short fMRI data sets. <b>2014</b> , 8, 69		52
575	A medical cloud-based platform for respiration rate measurement and hierarchical classification of breath disorders. <i>Sensors</i> , <b>2014</b> , 14, 11204-24	3.8	39
574	Oxygen saturation resolution influences regularity measurements. <b>2014</b> , 2014, 2257-60		3
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378	Low Computational Cost for Sample Entropy. <i>Entropy</i> , <b>2018</b> , 20,	2.8	23
377	A Strategy to Reduce Bias of Entropy Estimates in Resting-State fMRI Signals. <b>2018</b> , 12, 398		11
376	Hierarchical Cosine Similarity Entropy for Feature Extraction of Ship-Radiated Noise. <i>Entropy</i> , <b>2018</b> , 20,	2.8	8
375	Distributed Water Pollution Source Localization with Mobile UV-Visible Spectrometer Probes in Wireless Sensor Networks. <i>Sensors</i> , <b>2018</b> , 18,	3.8	13
374	Feature Extraction and Selection for Myoelectric Control Based on Wearable EMG Sensors. <i>Sensors</i> , <b>2018</b> , 18,	3.8	129
373	Determining the embedding parameters governing long-term dynamics of copper prices. <b>2018</b> , 111, 186-197		2
372	Multiscale entropy-based analysis and processing of EEG signal during watching 3DTV. <b>2018</b> , 125, 432-437		9
371	The effects of an enrichment training program for youth football attackers. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199008		27
370	On the effects of signal processing on sample entropy for postural control. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193460		17
369	Are ultra-short heart rate variability features good surrogates of short-term ones? State-of-the-art review and recommendations. <b>2018</b> , 5, 94-100		47
368	Dynamic multi-segmental postural control in patients with chronic non-specific low back pain compared to pain-free controls: A cross-sectional study. <i>PLoS ONE</i> , <b>2018</b> , 13, e0194512	3.7	4
367	Ultra-Short Entropy for Mental Stress Detection. <b>2019</b> , 287-291		0
366	Water Immersion Affects Episodic Memory and Postural Control in Healthy Older Adults. <b>2019</b> , 42, E1-E6		2
365	Cardiac and gait rhythms in healthy younger and older adults during treadmill walking tasks. <b>2019</b> , 31, 367-375		4
364	Short-term QT interval variability in patients with coronary artery disease and congestive heart failure: a comparison with healthy control subjects. <b>2019</b> , 57, 389-400		6

363	Extracting spatial-temporal features that describe a team match demands when considering the effects of the quality of opposition in elite football. <i>PLoS ONE</i> , <b>2019</b> , 14, e0221368	3.7	17
362	Autonomic complexity and emotion (dys-)regulation in early childhood across high- and low-risk contexts. <b>2019</b> , 31, 1173-1190		7
361	Vestibular training promotes adaptation of multisensory integration in postural control. <b>2019</b> , 73, 215-220		8
360	Example of nonlinear dynamical parameters for machine learning-based speech pathology classifier. <b>2019</b> , 1176, 032037		
359	Systemic evidence of acute seizure-associated elevation in serum neuronal injury biomarker in patients with temporal lobe epilepsy. <b>2019</b> , 1,		3
358	Measures of CNS-Autonomic Interaction and Responsiveness in Disorder of Consciousness. <b>2019</b> , 13, 530		15
357	Choice of tau in the estimation of ApEn and SampEn entropy of EMG, ECG and EEG signals. <b>2019</b> ,		1
356	Altered movement strategy of chronic ankle instability individuals with postural instability classified based on Nyquist and Bode analyses. <b>2019</b> , 69, 39-43		5
355	Exploration of different classes of metrics to characterize motor variability during repetitive symmetric and asymmetric lifting tasks. <b>2019</b> , 9, 9821		5
354	Entropy Measures as Descriptors to Identify Apneas in Rheoencephalographic Signals. <i>Entropy</i> , <b>2019</b> , 21,	2.8	1
353	Sleep stage classification from heart-rate variability using long short-term memory neural networks. <b>2019</b> , 9, 14149		44
352	Cross Entropy Profiling to Test Pattern Synchrony in Short-Term Signals. <b>2019</b> , 2019, 737-740		2
351	The Effect of Voltage Dataset Selection on the Accuracy of Entropy-Based Capacity Estimation Methods for Lithium-Ion Batteries. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4170	2.6	5
350	A hybrid model for EEG-based gender recognition. <b>2019</b> , 13, 541-554		12
349	EEG-Based Multiple Entropy Analysis for Assessing Driver Fatigue. <b>2019</b> ,		3
348	Complexity and uncertainty analysis of financial stock markets based on entropy of scale exponential spectrum. <b>2019</b> , 98, 2147-2170		1
347	Entropy Profiling to Detect ST Change in Heart Rate Variability Signals. <b>2019</b> , 2019, 4588-4591		1
346	Motor variability in elicited repeated bout rate enhancement is associated with higher sample entropy. <b>2019</b> , 68, 102520		2

345	Comparison of QT interval variability of coronary patients without myocardial infarction with that of patients with old myocardial infarction. <b>2019</b> , 113, 103396		5
344	Robust Fault Diagnosis of Rolling Bearings Using Multivariate Intrinsic Multiscale Entropy Analysis and Neural Network Under Varying Operating Conditions. <b>2019</b> , 7, 130804-130819		23
343	Biometric Identification Through ECG Signal Using a Hybridized Approach. <b>2019</b> ,		2
342	Visual feedback during motor performance is associated with increased complexity and adaptability of motor and neural output. <b>2019</b> , 376, 112214		9
341	Sleep stages classifier with eliminated apnea impact. <b>2019</b> ,		4
340	A New Physically Meaningful Threshold of Sample Entropy for Detecting Cardiovascular Diseases. <i>Entropy</i> , <b>2019</b> , 21, 830	2.8	5
339	Ultra-short term HRV features as surrogates of short term HRV: a case study on mental stress detection in real life. <b>2019</b> , 19, 12		54
338	The effects of age and musculoskeletal pain on force variability among manual workers. <b>2019</b> , 64, 19-27		6
337	Automated Epileptic Seizure Detection Method Based on the Multi-attribute EEG Feature Pool and mRMR Feature Selection Method. <b>2019</b> , 45-59		0
336	A method to concatenate multiple short time series for evaluating dynamic behaviour during walking. <i>PLoS ONE</i> , <b>2019</b> , 14, e0218594	3.7	7
335	Physiological complexity of gait between regular and non-exercisers with Parkinson's disease. <b>2019</b> , 68, 23-28		3
334	Dynamics of postural control in individuals with ankle instability: Effect of visual input and orthotic use. <b>2019</b> , 110, 120-126		2
333	Altered visual and somatosensory feedback affects gait stability in persons with multiple sclerosis. <b>2019</b> , 66, 355-362		9
332	Multiscale fractional order generalized information of financial time series based on similarity distribution entropy. <b>2019</b> , 29, 053108		3
331	Embedded Dimension and Time Series Length. Practical Influence on Permutation Entropy and Its Applications. <i>Entropy</i> , <b>2019</b> , 21,	2.8	17
330	Evaluation of sEMG-Based Feature Extraction and Effective Classification Method for Gait Phase Detection. <b>2019</b> , 138-149		1
329	The Effect of Treadmill Walking on Gait and Upper Trunk through Linear and Nonlinear Analysis Methods. <i>Sensors</i> , <b>2019</b> , 19,	3.8	22
328	Multiscale analysis of financial time series by Rényi distribution entropy. <b>2019</b> , 536, 120916		7

327	Prediction of Freezing of Gait in Parkinson's Disease Using Statistical Inference and Lower-Limb Acceleration Data. <b>2019</b> , 27, 947-955		18
326	Fatigue-Mediated Loss of Complexity is Contraction-Type Dependent in Vastus Lateralis Electromyographic Signals. <b>2019</b> , 7,		4
325	Variability of Cardiac Electromechanical Delay With Application to the Noninvasive Detection of Coronary Artery Disease. <b>2019</b> , 7, 53115-53124		5
324	Investigating the Effect of Intrinsic Motivation on Alpha Desynchronization Using Sample Entropy. <i>Entropy</i> , <b>2019</b> , 21,	2.8	2
323	Electromyography-Based Respiratory Onset Detection in COPD Patients on Non-Invasive Mechanical Ventilation. <i>Entropy</i> , <b>2019</b> , 21,	2.8	5
322	An Improved Method of Handling Missing Values in the Analysis of Sample Entropy for Continuous Monitoring of Physiological Signals. <i>Entropy</i> , <b>2019</b> , 21,	2.8	10
321	Entropy analysis of heart rate variability and its application to recognize major depressive disorder: A pilot study. <b>2019</b> , 27, 407-424		20
320	Automated preterm infant sleep staging using capacitive electrocardiography. <b>2019</b> , 40, 055003		7
319	Dynamic properties of glucose complexity during the course of critical illness: a pilot study. <b>2020</b> , 34, 361-370		2
318	Influence of Duodenal/Jejunal Implantation on Glucose Dynamics: A Pilot Study Using Different Nonlinear Methods. <b>2019</b> , 2019, 1-10		
317	EZ Entropy: a software application for the entropy analysis of physiological time-series. <b>2019</b> , 18, 30		12
316	Classification of Gait Patterns Using Kinematic and Kinetic Features, Gait Dynamics and Neural Networks in Patients with Unilateral Anterior Cruciate Ligament Deficiency. <b>2019</b> , 50, 887-909		3
315	An Analysis of Entropy-Based Eye Movement Events Detection. <i>Entropy</i> , <b>2019</b> , 21,	2.8	3
314	Effects of Pulmonary Rehabilitation on Gait Characteristics in Patients with COPD. <b>2019</b> , 8,		8
313	Use of machine-learning algorithms to determine features of systolic blood pressure variability that predict poor outcomes in hypertensive patients. <b>2019</b> , 12, 206-212		23
312	Performance Evaluation of Fixed Sample Entropy in Myographic Signals for Inspiratory Muscle Activity Estimation. <i>Entropy</i> , <b>2019</b> , 21,	2.8	5
311	Complexity analysis of Brazilian agriculture and energy market. <b>2019</b> , 523, 933-941		10
310	Running ground reaction force complexity at the initial stance phase increased with ageing. <b>2021</b> , 20, 619-628		3



309	The application of Lempel-Ziv and Titchener complexity analysis for equine telemetric electrocardiographic recordings. <b>2019</b> , 9, 2619		5
308	Voronoi Decomposition of Cardiovascular Dependency Structures in Different Ambient Conditions: An Entropy Study. <i>Entropy</i> , <b>2019</b> , 21, 1103	2.8	3
307	Independent Analysis of Decelerations and Resting Periods through CEEMDAN and Spectral-Based Feature Extraction Improves Cardiotocographic Assessment. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 5427.6		7
306	Quaternion Entropy for Analysis of Gait Data. <i>Entropy</i> , <b>2019</b> , 21,	2.8	5
305	HEART AUTONOMIC CONTROL DURING STATIC SUBMAXIMAL CONTRACTIONS: INFLUENCE OF TASK FEATURES. <b>2019</b> , 22, 1950009		
304	Entropy-Based Surface Electromyogram Feature Extraction for Knee Osteoarthritis Classification. <b>2019</b> , 7, 164144-164151		6
303	Estimation of the apnea-hypopnea index in a heterogeneous sleep-disordered population using optimised cardiovascular features. <b>2019</b> , 9, 17448		10
302	sEMG-Based Trunk Compensation Detection in Rehabilitation Training. <b>2019</b> , 13, 1250		9
301	Coordination of trunk and foot acceleration during gait is affected by walking velocity and fall history in elderly adults. <b>2019</b> , 31, 943-950		12
300	Validating team communication data using a transmission-duration threshold and voice activity detection algorithm. <b>2019</b> , 51, 384-397		
299	Sampling frequency influences sample entropy of kinematics during walking. <b>2019</b> , 57, 759-764		14
298	Heart Rate Variability-Based Driver Drowsiness Detection and Its Validation With EEG. <b>2019</b> , 66, 1769-1778		57
297	Quantifying Brain White Matter Microstructure of People with Lateral Ankle Sprain. <b>2019</b> , 51, 640-646		11
296	The influence of reward sensitivity, heart rate dynamics and EEG-delta activity on placebo analgesia. <b>2019</b> , 359, 320-332		13
295	Postural control of individuals with spinal fusion for adolescent idiopathic scoliosis. <b>2019</b> , 61, 46-51		3
294	Nonlinear dynamics of two-dimensional cardiac action potential duration mapping model with memory. <b>2019</b> , 78, 1529-1552		3
293	Voluntary control of breathing affects center of pressure complexity during static standing in healthy older adults. <b>2019</b> , 68, 488-493		2
292	At a Glance: Pixel Approximate Entropy as a Measure of Line Chart Complexity. <b>2018</b> ,		8

291	Movement related sensory feedback is not necessary for learning to execute a motor skill. <b>2019</b> , 359, 135-142	13
290	Nonlinear Dynamic Measures for Evaluating Postural Control in Individuals With and Without Chronic Ankle Instability. <b>2019</b> , 23, 243-261	2
289	Effects of pitch spatial references on players' positioning and physical performances during football small-sided games. <b>2019</b> , 37, 741-747	21
288	Heart Rate Variability as an Indicator of Nociceptive Pain in Disorders of Consciousness?. <b>2019</b> , 57, 47-56	9
287	Gender differences in nonlinear motor performance following concussion. <b>2019</b> , 8, 540-547	4
286	Exploring the Effects of Playing Formations on Tactical Behavior and External Workload During Football Small-Sided Games. <b>2020</b> , 34, 2024-2030	17
285	Complexity of knee extensor torque in patients with frailty syndrome: a cross-sectional study. <b>2020</b> , 24, 30-38	7
284	Driver Fatigue Detection Through Chaotic Entropy Analysis of Cortical Sources Obtained From Scalp EEG Signals. <b>2020</b> , 21, 185-198	18
283	Comparison of a Pragmatic and Regression Approach for Wearable EEG Signal Quality Assessment. <b>2020</b> , 24, 735-746	3
282	Sex-Specific Dependence of Linear and Nonlinear Postural Control Metrics on Anthropometrics During Clinical Balance Tests in Healthy Young Adults. <b>2020</b> , 29, 405-412	1
281	Deep brain stimulation enhances movement complexity during gait in individuals with Parkinson's disease. <b>2020</b> , 728, 133588	3
280	A Systematic Review of Collective Tactical Behaviours in Football Using Positional Data. <b>2020</b> , 50, 343-385	69
279	Detecting the presence of anterior cruciate ligament deficiency based on a double pendulum model, intrinsic time-scale decomposition (ITD) and neural networks. <b>2020</b> , 53, 3231-3253	4
278	Classification of gait patterns in patients with unilateral anterior cruciate ligament deficiency based on phase space reconstruction, Euclidean distance and neural networks. <b>2020</b> , 24, 1851-1868	2
277	Effect of Visual Information on Postural Control in Children with Autism Spectrum Disorder. <b>2020</b> , 50, 3320-3325	0
276	A narrative review of potential measures of dynamic stability to be used during outdoor locomotion on different surfaces. <b>2020</b> , 19, 120-140	1
275	Different Marks in the Pitch Constraint Youth Players' Performances During Football Small-sided Games. <b>2020</b> , 91, 15-23	10
274	Complexity analysis of time series based on generalized fractional order cumulative residual distribution entropy. <b>2020</b> , 537, 122582	5

273	Dynamic complexity and causality of crude oil and major stock markets. <b>2020</b> , 193, 116791		14
272	A scoping review of non-linear analysis approaches measuring variability in gait due to lower body injury or dysfunction. <b>2020</b> , 69, 102562		3
271	A novel method to classify bearing faults by integrating standard deviation to refined composite multi-scale fuzzy entropy. <b>2020</b> , 154, 107441		21
270	Subjects With COPD Walk With Less Consistent Organization of Movement Patterns of the Lower Extremity. <b>2020</b> , 65, 158-168		1
269	On the Use of Fuzzy and Permutation Entropy in Hand Gesture Characterization from EMG Signals: Parameters Selection and Comparison. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7144	2.6	4
268	A data science approach for reliable classification of neuro-degenerative diseases using gait patterns. <b>2020</b> , 6, 233-247		4
267	Robustness of CMIP6 Historical Global Mean Temperature Simulations: Trends, Long-Term Persistence, Autocorrelation, and Distributional Shape. <b>2020</b> , 8, e2020EF001667		23
266	Capturing and Quantifying Tactical Behaviors in Small-Sided and Conditioned Games in Soccer: A Systematic Review. <b>2020</b> , 1-15		7
265	Strength of Plantar- and Dorsiflexors Mediates Step Regularity During a High Cognitive Load Situation in a Cross-sectional Cohort of Older and Younger Adults. <b>2020</b> , 43, E45-E52		
264	COMPLEXITY-BASED CLASSIFICATION OF THE CORONAVIRUS GENOME VERSUS GENOMES OF THE HUMAN IMMUNODEFICIENCY VIRUS (HIV) AND DENGUE VIRUS. <b>2020</b> , 28, 2050129		10
263	Effects of Tau and Sampling Frequency on the Regularity Analysis of ECG and EEG Signals Using ApEn and SampEn Entropy Estimators. <i>Entropy</i> , <b>2020</b> , 22,	2.8	1
262	The dynamics of plant nutation. <b>2020</b> , 10, 19465		9
261	Classification of Resting-State Status Based on Sample Entropy and Power Spectrum of Electroencephalography (EEG). <b>2020</b> , 2020, 8853238		6
260	Leg-amplitude differentiation guided by haptic and visual feedback to detect alterations in motor flexibility due to Total Knee Replacement. <b>2020</b> , 71, 102623		
259	Lithium-ion Battery State of Health Estimation Using Empirical Mode Decomposition Sample Entropy and Support Vector Machine. <b>2020</b> ,		1
258	On the application of entropic half-life and statistical persistence decay for quantification of time dependency in human gait. <b>2020</b> , 108, 109893		2
257	Reduced force entropy in subacromial pain syndrome: A cross-sectional analysis. <b>2020</b> , 80, 105137		0
256	Wearable monitoring of sleep-disordered breathing: estimation of the apnea-hypopnea index using wrist-worn reflective photoplethysmography. <b>2020</b> , 10, 13512		17

255	Radionuclide ventriculography phase analysis for risk stratification of patients undergoing cardiotoxic cancer therapy. <b>2020</b> , 1		1
254	Impact of Extremity Manipulation on Postural Sway Characteristics: A Preliminary, Randomized Crossover Study. <b>2020</b> , 43, 457-468		2
253	Modified Distribution Entropy as a Complexity Measure of Heart Rate Variability (HRV) Signal. <i>Entropy</i> , <b>2020</b> , 22,	2.8	2
252	Multiple nonlinear features fusion based driving fatigue detection. <b>2020</b> , 62, 102075		6
251	Multi-level modeling with nonlinear movement metrics to classify self-injurious behaviors in autism spectrum disorder. <b>2020</b> , 10, 16699		
250	Effect of motor-assisted elliptical training speed and body weight support on center of pressure movement variability. <b>2020</b> , 81, 138-143		2
249	Fever Time Series Analysis Using Slope Entropy. Application to Early Unobtrusive Differential Diagnosis. <i>Entropy</i> , <b>2020</b> , 22,	2.8	8
248	Between-day repeatability of sensor-based in-home gait assessment among older adults: assessing the effect of frailty. <b>2021</b> , 33, 1529-1537		1
247	Entropy Profiling for Detection of Fetal Arrhythmias in Short Length Fetal Heart Rate Recordings. <b>2020</b> , 2020, 621-624		3
246	Sample Entropy Analysis of Horses with and without Lameness at Trot before and after Sedation. <b>2020</b> , 2020, 1-7		0
245	A Review of the Serrated-Flow Phenomenon and Its Role in the Deformation Behavior of High-Entropy Alloys. <b>2020</b> , 10, 1101		44
244	Multiscale cumulative residual distribution entropy and its applications on heart rate time series. <b>2020</b> , 101, 2357-2368		2
243	Entropy Profiling: A Reduced-Parametric Measure of Kolmogorov-Sinai Entropy from Short-Term HRV Signal. <i>Entropy</i> , <b>2020</b> , 22,	2.8	3
242	Statistical Features in High-Frequency Bands of Interictal iEEG Work Efficiently in Identifying the Seizure Onset Zone in Patients with Focal Epilepsy. <i>Entropy</i> , <b>2020</b> , 22,	2.8	5
241	The Role of Features Types and Personalized Assessment in Detecting Affective State Using Dry Electrode EEG. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
240	Study on nonlinear analysis of MEG in patients with brain diseases. <b>2020</b> , 1592, 012037		0
239	On Entropy of Probability Integral Transformed Time Series. <i>Entropy</i> , <b>2020</b> , 22,	2.8	3
238	Changes in motor-flexibility following anterior cruciate ligament reconstruction as measured by means of a leg-amplitude differentiation task with haptic and visual feedback. <b>2020</b> , 80, 105186		

237	Sensor-based characterization of daily walking: a new paradigm in pre-frailty/frailty assessment. <b>2020</b> , 20, 164		10
236	Entropy of Real-World Gait in Parkinson's Disease Determined from Wearable Sensors as a Digital Marker of Altered Ambulatory Behavior. <i>Sensors</i> , <b>2020</b> , 20,	3.8	8
235	Are armband sEMG devices dense enough for long-term use? Sensor placement shifts cause significant reduction in recognition accuracy. <b>2020</b> , 60, 101981		12
234	Transient changes in paretic and non-paretic isometric force control during bimanual submaximal and maximal contractions. <b>2020</b> , 17, 64		5
233	Measuring time series based on multiscale dispersion Lempel-Ziv complexity and dispersion entropy plane. <b>2020</b> , 137, 109868		7
232	Using entropy to assess dynamic behaviour of long-term copper price. <b>2020</b> , 66, 101597		5
231	Effects of Knowing the Task's Duration on Soccer Players' Positioning and Pacing Behaviour During Small-Sided Games. <b>2020</b> , 17,		5
230	Postural control is altered in females with excessive medial knee displacement. <b>2020</b> , 1-15		2
229	Relative Consistency of Sample Entropy Is Not Preserved in MIX Processes. <i>Entropy</i> , <b>2020</b> , 22,	2.8	0
228	Multiscale Distribution Entropy Analysis of Heart Rate Variability Using Differential Inter-Beat Intervals. <b>2020</b> , 8, 48761-48773		1
227	Entropy Measures in Machine Fault Diagnosis: Insights and Applications. <b>2020</b> , 69, 2607-2620		40
226	Effects of manipulating ball type on youth footballers' performance during small-sided games. <b>2020</b> , 15, 170-183		4
225	Complexity Analysis of EEG, MEG, and fMRI in Mild Cognitive Impairment and Alzheimer's Disease: A Review. <i>Entropy</i> , <b>2020</b> , 22,	2.8	20
224	MULTISCALE ENTROPY AND MULTISCALE TIME IRREVERSIBILITY ANALYSIS OF RR TIME SERIES DEPENDING ON AMBIENT TEMPERATURE. <b>2020</b> , 20, 2050029		1
223	. <b>2020</b> , 8, 107876-107886		4
222	Comparing Test-Retest Reliability of Entropy Methods: Complexity Analysis of Resting-State fMRI. <b>2020</b> , 8, 124437-124450		1
221	Assessing operational complexity of manufacturing systems based on algorithmic complexity of key performance indicator time-series. <b>2020</b> , 1-15		6
220	Dynamical Properties of Peak and Time-Integrated Geomagnetic Events Inferred From Sample Entropy. <b>2020</b> , 125, e2019JA027599		2

219	Complexity, Composition, and Control of Bipedal Balancing Movements as the Postural Control System Adapts to Unstable Support Surfaces or Altered Feet Positions. <b>2020</b> , 430, 113-124		12
218	Application of Time-Scale Decomposition of Entropy for Eye Movement Analysis. <i>Entropy</i> , <b>2020</b> , 22,	2.8	5
217	Multiscale Entropy as a New Feature for EEG and fNIRS Analysis. <i>Entropy</i> , <b>2020</b> , 22,	2.8	7
216	Bimanual load carriage alters sway patterns and step width. <b>2020</b> , 84, 103030		1
215	Alzheimer's disease and automatic speech analysis: A review. <i>Expert Systems With Applications</i> , <b>2020</b> , 150, 113213	7.8	30
214	Lithium-ion batteries fault diagnostic for electric vehicles using sample entropy analysis method. <b>2020</b> , 27, 101121		31
213	Examining the specificity of postural control deficits in children with Autism Spectrum Disorder using a cross-syndrome approach. <b>2020</b> , 72, 101514		3
212	Meditation Increases the Entropy of Brain Oscillatory Activity. <b>2020</b> , 431, 40-51		19
211	Heart Rhythm Analyzed via Shapelets Distinguishes Sleep From Awake. <b>2019</b> , 10, 1554		6
210	TF Entropy and RFE Based Diagnosis for Centrifugal Pumps Subject to the Limitation of Failure Samples. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2932	2.6	3
209	Gait variability: a theoretical framework for gait analysis and biomechanics. <b>2020</b> , 251-286		2
208	Intrusion Discrimination in Terms of LMD and ICA With Combined Features in The Fiber-Optic Perimeter System. <b>2020</b> , 12, 1-14		8
207	The Trace Conditional Learning of the Noxious Stimulus in UWS Patients and Its Prognostic Value in a GSR and HRV Entropy Study. <b>2020</b> , 14, 97		3
206	COPD Patients Have a Restricted Breathing Pattern That Persists with Increased Metabolic Demands. <b>2020</b> , 17, 245-252		5
205	An Adversarial Examples Identification Method for Time Series in Internet-of-Things System. <b>2021</b> , 8, 9495-9510		2
204	Kalman Filtering for Posture-Adaptive in-Bed Breathing Rate Monitoring Using Bed-Sheet Pressure Sensors. <b>2021</b> , 21, 14339-14351		2
203	A new complexity-based three-stage method to comprehensively quantify positive/negative contribution rates of climate change and human activities to changes in runoff in the upper Yellow River. <b>2021</b> , 287, 125017		7
202	Machine learning-based data analytic approaches for evaluating post-natal mouse respiratory physiological evolution. <b>2021</b> , 283, 103558		1

201	Task persistence in kindergarten children: Disentangling age from schooling effects. <b>2021</b> , 39, 217-230		1
200	Integrated approach based on flexible analytical wavelet transform and permutation entropy for fault detection in rotary machines. <b>2021</b> , 169, 108389		16
199	Tangle: A metric for quantifying complexity and erratic behavior in short time series. <b>2021</b> ,		2
198	Fast Algorithm Based on Parallel Computing for Sample Entropy Calculation. <b>2021</b> , 9, 20223-20234		1
197	Application of time-series regularity metrics to ion flux data from a population of pollen tubes. <b>2021</b> , 14, 51-54		2
196	Comparative analysis of three distribution entropy methods for chaos recognition. <b>2021</b> , 1732, 012060		
195	The effects of walking speed and mobile phone use on the walking dynamics of young adults. <b>2021</b> , 11, 1237		2
194	Heart Rate Dynamics During Acute Recovery From Maximal Aerobic Exercise in Young Adults. <b>2021</b> , 12, 627320		2
193	Entropy Analysis in Gait Research: Methodological Considerations and Recommendations. <i>Annals of Biomedical Engineering</i> , <b>2021</b> , 49, 979-990	4-7	5
192	Nonlinear Analysis of Stride Interval Time Series in Gait Maturation Using Distribution Entropy. <b>2021</b> ,		1
191	Multiscale Rnyi cumulative residual distribution entropy: Reliability analysis of financial time series. <b>2021</b> , 143, 110410		0
190	The Impact of Visual Input and Support Area Manipulation on Postural Control in Subjects after Osteoporotic Vertebral Fracture. <i>Entropy</i> , <b>2021</b> , 23,	2.8	1
189	Disruptions of cortico-kinematic interactions in Parkinson's disease. <b>2021</b> , 404, 113153		0
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