Holger Kantz

List of Publications by Year
in descending order

190 papers	7,879 citations	87888 38 h-index	66911 78 g-index
205 all docs	205 docs citations	205 times ranked	5057 citing authors

#	Article	IF	Citations
1	Practical implementation of nonlinear time series methods: The TISEAN package. Chaos, 1999, 9, 413-435.	2.5	1,277
2	A robust method to estimate the maximal Lyapunov exponent of a time series. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 185, 77-87.	2.1	712
3	Nonlinear time-series analysis revisited. Chaos, 2015, 25, 097610.	2.5	252
4	On noise reduction methods for chaotic data. Chaos, 1993, 3, 127-141.	2.5	240
5	Identifying and Modeling Delay Feedback Systems. Physical Review Letters, 1998, 81, 558-561.	7.8	185
6	Recurrence time analysis, long-term correlations, and extreme events. Physical Review E, 2005, 71, 056106.	2.1	152
7	Generating partitions for the dissipative HÃ©non map. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 113, 235-238.	2.1	134
8	Indispensable Finite Time Corrections for Fokker-Planck Equations from Time Series Data. Physical Review Letters, 2001, 87, 254501.	7.8	123
9	Markov models from data by simple nonlinear time series predictors in delay embedding spaces. Physical Review E, 2002, 65, 056201.	2.1	105
10	Improved false nearest neighbor method to detect determinism in time series data. Physical Review E, 1999, 60, 4970-4973.	2.1	99
11	Modified method of simplest equation and its application to nonlinear PDEs. Applied Mathematics and Computation, 2010, 216, 2587-2595.	2.2	99
12	Markov chain model for turbulent wind speed data. Physica A: Statistical Mechanics and Its Applications, 2004, 342, 315-321.	2.6	95
13	Dimension estimates and physiological data. Chaos, 1995, 5, 143-154.	2.5	92
14	Return interval distribution of extreme events and long-term memory. Physical Review E, 2008, 78, 051113.	2.1	90
15	On a forest fire model with supposed self-organized criticality. Journal of Statistical Physics, 1991, 63, 685-700.	1.2	87
16	Multistability of synthetic genetic networks with repressive cell-to-cell communication. Physical Review E, 2008, 78, 031904.	2.1	84
17	Distributed-order diffusion equations and multifractality: Models and solutions. Physical Review E, 2015, 92, 042117.	2.1	83
18	Diffusion and Fokker-Planck-Smoluchowski Equations with Generalized Memory Kernel. Fractional Calculus and Applied Analysis, 2015, 18, 1006-1038.	2.2	83

#	Article	IF	Citations
19	Fluctuations of $1/f$ Noise and the Low-Frequency Cutoff Paradox. Physical Review Letters, 2013, 110, 140603.	7.8	79
20	Optimizing of recurrence plots for noise reduction. Physical Review E, 2002, 65, 021102.	2.1	78
21	Coping with Nonstationarity by Overembedding. Physical Review Letters, 2000, 84, 4092-4095.	7.8	76
22	Stickiness in Hamiltonian systems: From sharply divided to hierarchical phase space. Physical Review E, 2006, 73, 026207.	2.1	76
23	Quantifying the closeness of fractal measures. Physical Review E, 1994, 49, 5091-5097.	2.1	74
24	Nonlinear noise reduction: A case study on experimental data. Physical Review E, 1993, 48, 1529-1538.	2.1	72
25	Equipartition thresholds in chains of anharmonic oscillators. Journal of Statistical Physics, 1994, 76, 627-643.	1.2	66
26	Fitting partial differential equations to space-time dynamics. Physical Review E, 1999, 59, 337-342.	2.1	64
27	Stochastic modelling: replacing fast degrees of freedom by noise. Journal of Physics A, 2001, 34, 3199-3213.	1.6	58
28	Noise in chaotic data: Diagnosis and treatment. Chaos, 1995, 5, 133-142.	2.5	55
29	Stickiness in mushroom billiards. Chaos, 2005, 15, 033105.	2.5	54
30	The relationship between the detrendend fluctuation analysis and the autocorrelation function of a signal. European Physical Journal B, 2015, 88, 1.	1.5	54
31	Generalized Langevin equation with tempered memory kernel. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 356-369.	2.6	51
32	Homoclinic tangencies and non-normal Jacobians â€" Effects of noise in nonhyperbolic chaotic systems. Physica D: Nonlinear Phenomena, 1997, 105, 79-96.	2.8	47
33	Time averaging and emerging nonergodicity upon resetting of fractional Brownian motion and heterogeneous diffusion processes. Physical Review E, 2021, 104, 024105.	2.1	46
34	Application of the method of simplest equation for obtaining exact traveling-wave solutions for the extended Kortewegâ€"de Vries equation and generalized Camassaâ€"Holm equation. Applied Mathematics and Computation, 2013, 219, 7480-7492.	2.2	43
35	Self-consistent check of the validity of Gibbs calculus using dynamical variables. Journal of Statistical Physics, 1994, 76, 605-626.	1.2	42
36	Unbiased reconstruction of the dynamics underlying a noisy chaotic time series. Chaos, 1996, 6, 440-450.	2.5	42

#	Article	IF	Citations
37	Thermodynamic cost of measurements. Physical Review E, 2011, 84, 061110.	2.1	41
38	Dynamical properties of a ferroelectric capacitor observed through nonlinear time series analysis. Chaos, 1998, 8, 727-736.	2.5	40
39	Long-range correlations and rare events in boundary layer wind fields. Physica A: Statistical Mechanics and Its Applications, 2005, 345, 713-721.	2.6	40
40	Inferring chaotic dynamics from time-series: On which length scale determinism becomes visible. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 232, 63-69.	2.1	38
41	Localisation and universal fluctuations in ultraslow diffusion processes. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 492002.	2.1	38
42	Comb Model with Slow and Ultraslow Diffusion. Mathematical Modelling of Natural Phenomena, 2016, 11, 18-33.	2.4	38
43	Universal scaling of long-time tails in Hamiltonian systems?. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 113, 167-171.	2.1	37
44	Precursors of extreme increments. Physical Review E, 2007, 75, 016706.	2.1	37
45	Heterogeneous diffusion in comb and fractal grid structures. Chaos, Solitons and Fractals, 2018, 114, 551-555.	5.1	37
46	Theoretical foundation of detrending methods for fluctuation analysis such as detrended fluctuation analysis and detrending moving average. Physical Review E, 2019, 99, 033305.	2.1	37
47	Denoising Human Speech Signals Using Chaoslike Features. Physical Review Letters, 2000, 84, 3197-3200.	7.8	36
48	Data-Driven Model of the Power-Grid Frequency Dynamics. IEEE Access, 2020, 8, 43082-43097.	4.2	33
49	Data-driven prediction and prevention of extreme events in a spatially extended excitable system. Physical Review E, 2015, 92, 042910.	2.1	31
50	Elimination of Fast Chaotic Degrees of Freedom: On the Accuracy of the Born Approximation. Journal of Statistical Physics, 2003, 112, 277-292.	1.2	30
51	Fractional diffusion on a fractal grid comb. Physical Review E, 2015, 91, 032108.	2.1	30
52	Predicting extreme avalanches in self-organized critical sandpiles. Physical Review E, 2009, 80, 026124.	2.1	29
53	The fluctuation function of the detrended fluctuation analysis â€" investigation on the AR(1) process. European Physical Journal B, 2015, 88, 1.	1.5	28
54	On the trap of extinction and its elimination. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 349, 350-355.	2.1	27

#	Article	IF	Citations
55	Langevin equation with super-heavy-tailed noise. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 285004.	2.1	27
56	Continuous-time random walk theory of superslow diffusion. Europhysics Letters, 2010, 92, 30001.	2.0	27
57	Observing spatio-temporal clustering and separation using interevent distributions of regional earthquakes. Nonlinear Processes in Geophysics, 2014, 21, 735-744.	1.3	27
58	Shock waves and time scales to reach equipartition in the Fermi-Pasta-Ulam model. Physical Review E, 1995, 52, 307-315.	2.1	24
59	Scalar observations from a class of high-dimensional chaotic systems: Limitations of the time delay embedding. Chaos, 1997, 7, 423-429.	2.5	24
60	Detrended fluctuation analysis and the difference between external drifts and intrinsic diffusionlike nonstationarity. Physical Review E, 2016, 94, 042201.	2.1	24
61	Confidence intervals for time averages in the presence of long‐range correlations, a case study on Earth surface temperature anomalies. Geophysical Research Letters, 2016, 43, 9243-9249.	4.0	24
62	Anomalous diffusion on a fractal mesh. Physical Review E, 2017, 95, 052107.	2.1	24
63	Observing and Predicting Chaotic Signals: Is 2% Noise Too Much?. Springer Series in Synergetics, 1996, , 43-65.	0.4	24
64	Analysis of vocal disorders in a feature space. Medical Engineering and Physics, 2000, 22, 413-418.	1.7	22
65	Unexpected robustness against noise of a class of nonhyperbolic chaotic attractors. Physical Review E, 2002, 65, 026209.	2.1	21
66	Parameters of the fractional Fokker-Planck equation. Europhysics Letters, 2009, 85, 40007.	2.0	21
67	Effective dynamics in Hamiltonian systems with mixed phase space. Physical Review E, 2005, 71, 036215.	2.1	20
68	Asymptotic solutions of decoupled continuous-time random walks with superheavy-tailed waiting time and heavy-tailed jump length distributions. Physical Review E, 2011, 84, 061143.	2.1	20
69	Scale-invariant Green-Kubo relation for time-averaged diffusivity. Physical Review E, 2017, 96, 062122.	2.1	20
70	Inferring characteristic timescales from the effect of autoregressive dynamics on detrended fluctuation analysis. New Journal of Physics, 2019, 21, 033022.	2.9	20
71	Coarse grained dynamical entropies: Investigation of high-entropic dynamical systems. Physica A: Statistical Mechanics and Its Applications, 2000, 280, 34-48.	2.6	19
72	Fast chaos versus white noise: entropy analysis and a Fokker–Planck model for the slow dynamics. Physica D: Nonlinear Phenomena, 2004, 187, 200-213.	2.8	19

#	Article	IF	Citations
73	Phytoplankton dynamics in the Southern California Bight indicate a complex mixture of transport and biology. Journal of Plankton Research, 2016, 38, 1077-1091.	1.8	19
74	Continuous-time random walk with a superheavy-tailed distribution of waiting times. Physical Review E, 2011, 83, 041132.	2.1	18
75	The problem of spurious Lyapunov exponents in time series analysis and its solution by covariant Lyapunov vectors. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 254009.	2.1	18
76	Stochastic properties of the frequency dynamics in real and synthetic power grids. Physical Review Research, 2020, 2, .	3.6	18
77	Ragwitz and Kantz Reply:. Physical Review Letters, 2002, 89, .	7.8	17
78	Reactions to extreme events: Moving threshold model. Physica A: Statistical Mechanics and Its Applications, 2006, 364, 435-444.	2.6	17
79	Prediction of extreme events in the OFC model on a small world network. European Physical Journal B, 2011, 79, 7-11.	1.5	17
80	Structure of generating partitions for two-dimensional maps. Journal of Physics A, 1997, 30, L567-L576.	1.6	16
81	Some considerations on Poincaré maps for chaotic flows. Journal of Physics A, 2000, 33, 163-170.	1.6	16
82	Finite-size effects on the statistics of extreme events in the BTW model. European Physical Journal B, 2009, 67, 437-443.	1.5	16
83	Evolution and transformation of early modern cosmological knowledge: a network study. Scientific Reports, 2020, 10, 19822.	3.3	16
84	Moses, Noah and Joseph effects in Lévy walks. New Journal of Physics, 2021, 23, 023002.	2.9	16
85	Dynamical Interpretation of Extreme Events: Predictability and Predictions. The Frontiers Collection, 2006, , 69-93.	0.2	16
86	Enlarged scaling ranges for the KS‐entropy and the information dimension. Chaos, 1996, 6, 167-171.	2.5	15
87	Analysing local observations of weakly coupled maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 244, 538-544.	2.1	15
88	Usage of the Mori-Zwanzig method in time series analysis. Physical Review E, 2008, 77, 011117.	2.1	15
89	Differential Landauer's principle. Europhysics Letters, 2013, 101, 50004.	2.0	15
90	On the Motion of Substance in a Channel of a Network: Extended Model and New Classes of Probability Distributions. Entropy, 2020, 22, 1240.	2.2	15

#	Article	IF	Citations
91	Leveraging large-deviation statistics to decipher the stochastic properties of measured trajectories. New Journal of Physics, 2021, 23, 013008.	2.9	15
92	Relation between coupled map lattices and kinetic Ising models. Physical Review E, 2000, 61, 3675-3684.	2.1	14
93	Predictability of Music Descriptor Time Series and its Application to Cover Song Detection. IEEE Transactions on Audio Speech and Language Processing, 2011, , .	3.2	14
94	Infinite invariant densities due to intermittency in a nonlinear oscillator. Physical Review E, 2017, 96, 022217.	2.1	14
95	Anomalous diffusion and the Moses effect in an aging deterministic model. New Journal of Physics, 2018, 20, 113033.	2.9	14
96	Hamiltonian Chaos Acts Like a Finite Energy Reservoir: Accuracy of the Fokker-Planck Approximation. Physical Review Letters, 2005, 94, 054103.	7.8	13
97	Optimal Markov approximations and generalized embeddings. Physical Review E, 2009, 79, 056202.	2.1	13
98	Covariant Lyapunov Vectors from Reconstructed Dynamics: The Geometry behind True and Spurious Lyapunov Exponents. Physical Review Letters, 2012, 109, 244101.	7.8	13
99	Biased diffusion inside regular islands under random symplectic perturbations. Physical Review E, 2012, 85, 066210.	2.1	13
100	A simple decomposition of European temperature variability capturing the variance from days to a decade. Climate Dynamics, 2019, 53, 6909-6917.	3.8	13
101	Effective deterministic models for chaotic dynamics perturbed by noise. Physical Review E, 1997, 55, 5234-5247.	2.1	12
102	Characterization of sensitivity to finite perturbations. Physical Review E, 2000, 61, 2533-2538.	2.1	12
103	Early warning signal for interior crises in excitable systems. Physical Review E, 2017, 96, 042211.	2.1	12
104	Ageing effects in ultraslow continuous time random walks. European Physical Journal B, 2017, 90, 1.	1.5	12
105	Identifying characteristic time scales in power grid frequency fluctuations with DFA. Chaos, 2020, 30, 013130.	2.5	12
106	Logical response induced by temperature asymmetry. Physical Review E, 2019, 100, 032108.	2.1	11
107	Vertical chaos and horizontal diffusion in the bouncing-ball billiard. Physical Review E, 2007, 75, 046214.	2.1	10
108	Biased diffusion in a piecewise linear random potential. European Physical Journal B, 2010, 76, 1-11.	1.5	10

#	Article	IF	Citations
109	Rank Histograms of Stratified Monte Carlo Ensembles. Monthly Weather Review, 2012, 140, 1558-1571.	1.4	10
110	Questionable dynamical evidence for causality between galactic cosmic rays and interannual variation in global temperature. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4638-E4639.	7.1	10
111	Optimal Extraction of Collective Oscillations from Unreliable Measurements. Physical Review Letters, 2016, 116, 104101.	7.8	10
112	The transition from deterministic chaos to a stochastic process. Physica A: Statistical Mechanics and Its Applications, 1998, 253, 105-117.	2.6	9
113	Experimental Verification of Noise Induced Attractor Deformation. Physical Review Letters, 1999, 82, 2274-2277.	7.8	9
114	Local Estimates for Entropy Densities in Coupled Map Lattices. Physical Review Letters, 2000, 84, 2132-2135.	7.8	9
115	The concept of exchangeability in ensemble forecasting. Nonlinear Processes in Geophysics, 2011, 18, 1-5.	1.3	9
116	Renewal Theory for a System with Internal States. Mathematical Modelling of Natural Phenomena, 2016, 11, 191-239.	2.4	9
117	Anomalous biased diffusion in a randomly layered medium. Physical Review E, 2010, 81, 021117.	2.1	8
118	Reproducing Long‑Range Correlations in Global Mean Temperatures in Simple Energy Balance Models. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4413-4422.	3.3	8
119	Probabilistic properties of detrended fluctuation analysis for Gaussian processes. Physical Review E, 2020, 101, 032114.	2.1	8
120	Characterizing variability and predictability for air pollutants with stochastic models. Chaos, 2021, 31, 033148.	2.5	8
121	Reconstruction of the parameter spaces of dynamical systems. Physical Review E, 2001, 63, 056215.	2.1	7
122	Predicting outliers in ensemble forecasts. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 1887-1897.	2.7	7
123	Limiting distributions of continuous-time random walks with superheavy-tailed waiting times. Physical Review E, 2013, 87, 022117.	2.1	7
124	Large deviations of time-averaged statistics for Gaussian processes. Statistics and Probability Letters, 2018, 143, 47-55.	0.7	7
125	Stochastic resonance and hysteresis in climate with state-dependent fluctuations. Physical Review E, 2020, 101, 062145.	2.1	7
126	Higher-order interaction learning of line failure cascading in power networks. Chaos, 2022, 32, .	2.5	7

#	Article	IF	Citations
127	Improved cost functions for modelling of noisy chaotic time series. Physica D: Nonlinear Phenomena, 1997, 109, 59-69.	2.8	6
128	DETERMINATION OF THE DYNAMICAL PROPERTIES OF FERROELECTRICS USING NONLINEAR TIME SERIES ANALYSIS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 1019-1034.	1.7	6
129	Joint probability distributions and multipoint correlations of the continuous-time random walk. Physical Review E, 2008, 78, 051104.	2.1	6
130	An ARFIMA-based model for daily precipitation amounts with direct access to fluctuations. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1487-1505.	4.0	6
131	Asymmetric Lévy Flights Are More Efficient in Random Search. Fractal and Fractional, 2022, 6, 260.	3.3	6
132	TIME SERIES ANALYSIS IN RECONSTRUCTED STATE SPACES. Stochastics and Dynamics, 2001, 01, 85-111.	1.2	5
133	Directed transport in periodically rocked random sawtooth potentials. Physical Review E, 2009, 79, 051102.	2.1	5
134	Extreme events due to localization of energy. Physical Review E, 2015, 91, 012918.	2.1	5
135	Stochastic dynamics and the predictability of big hits in online videos. Physical Review E, 2017, 95, 032311.	2.1	5
136	Prediction of Extreme Events. Lecture Notes in Earth Sciences, 2008, , 35-59.	0.5	5
137	Decomposing the effect of anomalous diffusion enables direct calculation of the Hurst exponent and model classification for single random paths. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 274001.	2.1	5
138	Correlation dimension of intermittent signals. Physical Review E, 1997, 56, 199-203.	2.1	4
139	Random matrix approach to multivariate correlations: Some limiting cases. Physical Review E, 2004, 69, 056102.	2.1	4
140	PHASE SPACE RECONSTRUCTION AND NONLINEAR PREDICTIONS FOR STATIONARY AND NONSTATIONARY MARKOVIAN PROCESSES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1935-1945.	1.7	4
141	Accuracy and efficiency of reduced stochastic models for chaotic Hamiltonian systems with time-scale separation. Physical Review E, 2006, 73, 066228.	2.1	4
142	Fast Hamiltonian chaos: Heat bath without thermodynamic limit. Physical Review E, 2007, 76, 066211.	2.1	4
143	$1/f^2$ noise in a model for weak ergodicity breaking. Chemical Physics, 2010, 375, 370-377.	1.9	4
144	Crooks' fluctuation theorem for the fluctuating lattice-Boltzmann model. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P06029.	2.3	4

#	Article	IF	Citations
145	Probability distribution function for systems driven by superheavy-tailed noise. European Physical Journal B, 2011, 80, 167-175.	1.5	4
146	Fluctuation theorem between non-equilibrium states in an <i>RC</i> circuit. New Journal of Physics, 2015, 17, 065005.	2.9	4
147	A model of return intervals between earthquake events. Europhysics Letters, 2016, 114, 60003.	2.0	4
148	Statistical inference of one-dimensional persistent nonlinear time series and application to predictions. Physical Review Research, 2022, 4, .	3.6	4
149	Problems in the Reconstruction of High-dimensional Deterministic Dynamics from Time Series. , 1998, , 23-47.		3
150	Anti-deterministic behaviour of discrete systems that are less predictable than noise. Physica A: Statistical Mechanics and Its Applications, 2005, 350, 189-198.	2.6	3
151	Comments on â€œConditional Exceedance Probabilitiesâ€. Monthly Weather Review, 2011, 139, 3322-3324.	1.4	3
152	Crooks Fluctuation Theorem for a Process on a Two-Dimensional Fluid Field. Physical Review Letters, 2013, 110, 234502.	7.8	3
153	Power law error growth in multi-hierarchical chaotic systemsâ€"a dynamical mechanism for finite prediction horizon. New Journal of Physics, 2019, 21, 093002.	2.9	3
154	Work fluctuation theorem for a Brownian particle in a nonconfining potential. Physical Review Research, 2021, 3, .	3.6	3
155	Time reversal symmetry and the difference between relaxations and building-up periods. Physical Review E, 2021, 104, 024208.	2.1	3
156	Dynamical systems with time scale separation: averaging, stochastic modelling, and central limit theorems. , 2001, , 189-209.		3
157	Spring onset forecast using harmonic analysis on daily mean temperature in Germany. Environmental Research Letters, 2020, 15, 104069.	5.2	3
158	An Ever-Expanding Humanities Knowledge Graph: The Sphaera Corpus at the Intersection of Humanities, Data Management, and Machine Learning. Datenbank-Spektrum, 2022, 22, 153-162.	1.3	3
159	Dynamical quantities and their numerical analysis by saddle periodic orbits. Physica D: Nonlinear Phenomena, 2007, 232, 166-172.	2.8	2
160	Bivariate time-periodic Fokker-Planck model for freeway traffic. European Physical Journal B, 2009, 72, 467-472.	1.5	2
161	Improved predictions of rare events using the Crooks fluctuation theorem. Physical Review E, 2014, 89, 032112.	2.1	2
162	An extended transfer operator approach to identify separatrices in open flows. Chaos, 2018, 28, 053101.	2.5	2

#	Article	IF	Citations
163	Apparent violations of the second law in two-level systems. Physical Review E, 2019, 100, 052116.	2.1	2
164	Anomalous diffusion in the citation time series of scientific publications. Journal of Physics Complexity, 2021, 2, 035024.	2.2	2
165	Short Time Prediction of Wind Speeds from Local Measurements. , 2007, , 93-98.		2
166	Noise-induced fluctuations of period lengths of stable periodic orbits. Physical Review E, 2003, 67, 036210.	2.1	1
167	Complex dynamics in simple systems with periodic parameter oscillations. Physical Review E, 2004, 70, 056202.	2.1	1
168	Predicting Probability for Stochastic Processes with Local Markov Property. , 2005, , 95-98.		1
169	Improvement of speech recognition by nonlinear noise reduction. Chaos, 2007, 17, 023121.	2.5	1
170	A first order geometric auto regressive process for boundary layer wind speed simulation. European Physical Journal B, 2009, 70, 575-581.	1.5	1
171	Model-based cover song detection via threshold autoregressive forecasts. , 2010, , .		1
172	Prediction of Complex Dynamics: Who Cares About Chaos?. Lecture Notes in Physics, 2016, , 249-269.	0.7	1
173	Large-deviation probabilities for correlated Gaussian processes and intermittent dynamical systems. Physical Review E, 2018, 97, 052147.	2.1	1
174	Role of thermal fluctuations in biological copying mechanisms. Physical Review E, 2021, 103, 032110.	2.1	1
175	Benchmarking prediction skill in binary El NiÃ±o forecasts. Climate Dynamics, 2022, 58, 1049-1063.	3.8	1
176	Trends in auto-correlated temperature series. Theoretical and Applied Climatology, 2022, 147, 1577-1588.	2.8	1
177	Prediction error growth in a more realistic atmospheric toy model with three spatiotemporal scales. Geoscientific Model Development, 2022, 15, 4147-4161.	3.6	1
178	Local equilibrium properties of ultraslow diffusion in the Sinai model. New Journal of Physics, 2022, 24, 073026.	2.9	1
179	Nonlinear time series analysis â€" Potentials and limitations. , 1996, , 213-228.		0
180	Genetic distance in sequence space of evolving populations. Complexity, 2003, 8, 51-56.	1.6	0

#	Article	IF	Citations
181	Effects of random noise on a simple class of growing network models. Physical Review E, 2003, 68, 026110.	2.1	0
182	Deterministic and Probabilistic Forecasting in Reconstructed State Spaces. , 0, , 67-88.		0
183	Hopping over a heat barrier. Physical Review E, 2011, 83, 031134.	2.1	0
184	Rare and Extreme Events. , 0, , 251-268.		0
185	Nonlinear Noise Reduction. Studies in Computational Finance, 2002, , 401-416.	0.1	0
186	Nichtlineare Zeitreihenanalyse in der Physik: MÃ¶glichkeiten und Grenzen. , 1999, , 74-88.		0
187	Analysis and Simulation of Extremes and Rare Events in Complex Systems. Studies in Systems, Decision and Control, 2020, , 151-182.	1.0	0
188	Robust regional clustering and modeling of nonstationary summer temperature extremes across Germany. Advances in Statistical Climatology, Meteorology and Oceanography, 2020, 6, 61-77.	0.9	0
189	On star-convex volumes in 2-D hydrodynamical flows and their relevance for coherent transport. Chaos, 2020, 30, 123147.	2.5	0
190	Passive tracer advection in the equatorial Pacific region: statistics, correlations and a model of fractional Brownian motion. Ocean Science, 2022, 18, 307-320.	3.4	0