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DOI: 10.1016/0167-2789(83)90298-1

Physica D: Nonlinear Phenomena, 1983, 9, 189-208.

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2322	The correlation dimension of broadband fluctuations in a tokamak. 1987 , 30, 129	8
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2318	Diagnosis of dynamical systems with fluctuating parameters. 1987 , 413, 5-8	14
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2295	Evaluation of Lyapunov exponents and scaling functions from time series. 1988 , 5, 1037	63
2294	International chaos?. 1988 , 32, 1569-1584	52
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2292	Dimensional analysis of nonlinear oscillations in brain, heart, and muscle. 1988 , 90, 155-182	124
2291	Melting and phase space transitions in small clusters: Spectral characteristics, dimensions, and K entropy. 1988 , 89, 1681-1694	97
2290	Noise reduction in dynamical systems. 1988 , 38, 1649-1652	124
2289	Dynamic pattern generation in behavioral and neural systems. 1988 , 239, 1513-20	949
2288	Generalized dimensions from near-neighbor information. 1988 , 37, 3118-3125	44
2287	Transition to chaos in an oscillating surface reaction. 1988 , 202, 565-591	92
2286	. 1988 ,	16
2285	Phenomenological modeling of Mirnov oscillations. 1988 , 31, 2051	1
2284	Optimization of dynamic structuring in a reaction cell. 1988 , 88, 3617-3622	1
2283	Correlation functions and generalized Lyapunov exponents. 1988 , 37, 1323-1328	24
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2281	Some properties of mixing repellers. 1988 , 21, 2023-2043	17
2280	.	1
2279	Optimized algorithm for the calculation of correlation integrals. 1989 , 39, 5440-5443	6
2278	Liapunov exponents from a time series of acoustic chaos. 1989 , 39, 2146-2152	53

2277	Attractor dimension of nonstationary dynamical systems from small data sets. 1989 , 39, 845-853		125
2276	Characterization of strange attractors in spin-wave chaos. 1989 , 39, 9448-9452		29
2275	Multifractal characteristics of magnetic-microsphere aggregates in thin films. 1989 , 40, 858-861		19
2274	Chaotic dynamics in open flow: The excited jet. 1989 , 40, 3322-3345		3
2273	Chaos and turbulence in Rayleigh-Benard convection. 1989 , 40, 381-385		5
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2271	Practical considerations in estimating dimension from time series data. 1989 , 40, 436-441		29
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2269	Multifractality of prime numbers. 1989 , 160, 24-42		24
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2267	Finite correlation dimension for stochastic systems with power-law spectra. <i>Physica D: Nonlinear Phenomena</i> , 1989 , 35, 357-381	3-3	513
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2264	Observations of the fractal dimension of deep- and shallow-water ocean surface gravity waves. <i>Physica D: Nonlinear Phenomena</i> , 1989 , 37, 104-108	3-3	15
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2262	Nonstationary dissipative structures and diffusion-induced chaos in nonlinear media. 1989 , 176, 189-370		40
2261	Errors from digitizing and noise in estimating attractor dimensions. 1989 , 138, 176-182		51
2260	Dimensions of a strange attractor associated with the Ising model with competing interactions. 1989 , 135, 175-178		5

2259	A weak estimate of the fractal dimension of the Mandelbrot boundary. 1989 , 136, 358-362	2
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2256	Prediction and system identification in chaotic nonlinear systems: Time series with broadband spectra. 1989 , 138, 401-408	40
2255	A fast algorithm to determine fractal dimensions by box counting. 1989 , 141, 386-390	317
2254	The transition to baroclinic chaos on the β -plane. 1989 , 203, 23-50	19
2253	A correlation between the b value and the fractal dimension of earthquakes. 1989 , 94, 7507	171
2252	.	
2251	. 1989 ,	6
2250	Diagnosis of dynamical systems with fluctuating parameters. 1989 , 5-8	
2249	Experimental evidence of a low-dimensional attractor in the coupling of drift- and ion-sound waves. 1989 , 1, 1168-1173	16
2248	The source-driven dissipative nonlinear Schrödinger model of resonance absorption. 1990 , 2, 1751-1767	10
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2243	Phase space topography and the Lyapunov exponent of electrocorticograms in partial seizures. 1990 , 2, 187-201	373
2242	Uniform probability. 1990 , 3, 611-626	9

2241	Route to chaos in the magnetic garnets. 1990 , 84, 237-246	22
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2239	Convergence of dynamical zeta functions. 1990 , 58, 967-995	4
2238	Non-linear dynamical system theory and primary visual cortical processing. <i>Physica D: Nonlinear Phenomena</i> , 1990 , 42, 385-395	3-3 45
2237	Bifurcations and chaos in newborn infant cries. 1990 , 145, 418-424	145
2236	Modification of the Grassberger-Procaccia algorithm for estimating the correlation exponent of chaotic systems with high embedding dimension. 1990 , 145, 225-231	42
2235	An optimized box-assisted algorithm for fractal dimensions. 1990 , 148, 63-68	157
2234	Conditions for the occurrence of degeneracy between Turing and phase instabilities. 1990 , 147, 204-208	4
2233	Takens versus multichannel reconstruction in EEG correlation exponent estimates. 1990 , 151, 225-233	48
2232	Evidence for an inhomogeneous strange and chaotic attractor in passive scalar concentration fluctuations in relative turbulent diffusion. 1990 , 148, 164-170	1
2231	An improved method for estimating Liapunov exponents of chaotic time series. 1990 , 151, 27-32	137
2230	Strange attractors in spin-wave chaos. 1990 , 163, 232-247	11
2229	Interpretation of Engine Cycle-To-Cycle Variation By Chaotic Time Series Analysis. 1990 ,	1
2228	The statistical properties of dimension calculations using small data sets. 1990 , 3, 155-176	83
2227	Chaos versus noisy periodicity: alternative hypotheses for childhood epidemics. 1990 , 249, 499-504	256
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2225	Chaotic characteristics of a complex gas-solids flow. 1990 , 41, 1179-1181	87
2224	Statistical precision of dimension estimators. 1990 , 41, 3038-3051	85

2223	The effect of interactive noise on the driven Brusselator model. 1990 , 93, 416-427	20
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2220	Complexity Measures Of The Visual Evoked Potential.	
2219	Switching dynamics of finite periodic nonlinear media: A numerical study. 1990 , 42, 2858-2869	102
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2216	.	1
2215	.	0
2214	Efficient box-counting determination of generalized fractal dimensions. 1990 , 42, 1869-1874	126
2213	The spectrum of radiocarbon. 1990 , 330, 413-426	67
2212	Comment on "Chaos in rainfall" by I. Rodriguez-Iturbe et al.. 1990 , 26, 1837-1839	6
2211	.	3
2210	Correlation dimension and systematic geometric effects. 1990 , 42, 7065-7074	131
2209	An introduction to chaos theory in CFD. 1990 ,	2
2208	Fluctuations and anomalous transport in tokamaks. 1990 , 2, 2879-2903	416
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2205	Error Analysis and Convergence of Capacity Dimension Algorithms. 1990 , 50, 307-321	10
2204	Earthquakes as self-organized critical phenomena. 1990 , 95, 6853	274
2203	The Claude Bernard Lecture, 1989 - Deterministic chaos: the science and the fiction. 1990 , 427, 241-248	264
2202	De Gruyter. 1991 , 7,	27
2201	Can the techniques of nonlinear dynamics detect chaotic behavior in electrocardiographic signals?. 1992 , 24 Suppl, 84-90	10
2200	. 1991 , 39, 629-631	15
2199	. 1991 ,	2
2198	The dimension of chaos in the fetal heart rate. 1991 , 165, 1425-9	22
2197	The dimension of chaos in the fetal heart rate. 1991 , 165, 1425-1429	42
2196	.	0
2195	.	1
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2193	.	3
2192	.	0
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2190	Dimensional analysis Of Diastolic Heart Sounds From Stenosed Coronary Arteries.	
2189	Dynamcs Of 24 Hour Heart Rate Variability In Healthy Heart.	
2188	.	

2187 . 1991,

2186	Statistical mechanics of neocortical interactions: A scaling paradigm applied to electroencephalography. 1991 , 44, 4017-4060		97
2185	Modulated, frequency-locked, and chaotic cross-waves. 1991 , 225, 371-394		16
2184	Chaos in the sunspot cycle: Analysis and prediction. 1991 , 96, 1705-1716		73
2183	Indications of low dimensionality in magnetospheric dynamics. 1991 , 18, 151-154		50
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2181	Multifractal analysis of the microdistribution of elements in sedimentary structures using images from scanning electron microscopy and energy dispersive X ray spectrometry. 1991 , 96, 16223		21
2180	Approximate entropy as a measure of system complexity. 1991 , 88, 2297-301		3679
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2175	Dimensional analysis in a turbulent glow discharge plasma. 1991 , 158, 144-148		8
2174	Convergence of the K2 entropy for random noises with power law spectra. <i>Physica D: Nonlinear Phenomena</i> , 1991 , 47, 361-372	3-3	50
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2172	Experimental evidence of homoclinic chaos and type-II intermittency during the oxidation of methanol. <i>Physica D: Nonlinear Phenomena</i> , 1991 , 48, 340-352	3-3	37
2171	Using higher-order correlations to define an embedding window. <i>Physica D: Nonlinear Phenomena</i> , 1991 , 54, 85-97	3-3	61
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2169	Diagnosing chaos in the Space Circle. <i>Physica D: Nonlinear Phenomena</i> , 1991 , 50, 239-258	3-3	15
2168	Singularities of the potential and energy integrals and scaling laws for the dimensions of spectra. 1991 , 106, 1221-1245		3
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2158	Correlation dimension of density fluctuations in TBR-1. 1991 , 33, 493-506		5
2157	.		0
2156	Computing the Lyapunov spectrum of a dynamical system from an observed time series. 1991 , 43, 2787-2806		242
2155	. 1991 ,		4
2154	Implication of a power-law power-spectrum for self-affinity. 1991 , 44, 2324-2334		56
2153	Nonparametric estimation of the correlation exponent. 1991 , 44, 5298-5301		4
2152	Characterizing attractors using local intrinsic dimension via higher-order statistics. 1991 , 43, 5268-5274		7

2151	Correlation dimension of woodwind multiphonic tones. 1991 , 90, 1754-65	18
2150	Visualization Of Epileptic Spikes In State Space.	
2149	.	11
2148	Three-frequency Chaos in an External Cavity Injection Laser. 1991 , 38, 1243-1249	3
2147	.	
2146	Chaotic Modeling Of Radar Backscatter From An Ocean Surface.	1
2145	A low order model of sleep stage II EEG based on the gamma kernel. 1992 ,	
2144	. 1992 ,	5
2143	Characterisation of Broad Band Stochastic Signals Using Dynamical Systems Theory.	
2142	Chaotic characteristics of heart rate variability signal in newborns. 1992 ,	
2141	Chaotic conductivity oscillation in n- and p-type Si. 1992 , 7, B488-B490	1
2140	Integrated wavelets on fractal sets. I. The correlation dimension. 1992 , 5, 777-790	20
2139	What can we learn about hadronic intermittency from finite fractal sets?. 1992 , 45, 3079-3089	1
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2133	Optimal delay time and embedding dimension for delay-time coordinates by analysis of the global static and local dynamical behavior of strange attractors. 1992 , 45, 7073-7084	119
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2131	.	
2130	Measuring chaos in the brain: a tutorial review of nonlinear dynamical EEG analysis. 1992 , 67, 31-80	162
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2125	.	
2124	. 1992 ,	2
2123	.	
2122	.	1
2121	.	
2120	.	1
2119	. 1992 , 20, 691-694	133
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2107	Characterization of chaos. 1992 , 31, 1345-1362	5
2106	Redshifts and intrinsic time. 1992 , 198, 71-77	
2105	Damage mechanics with long-range interactions: correlation between the seismic-b-value and the fractal two-point correlation dimension. 1992 , 111, 531-541	53
2104	The state of economic dynamics. 1992 , 16, 175-190	20
2103	Chaotic flow-induced vibration of a flexible tube with end mass. 1992 , 6, 705-718	50
2102	Spatio-temporal dynamics of human EEG. 1992 , 185, 433-438	16
2101	Fractal dimensions of strange attractors obtained from the Taylor-Couette experiment. 1992 , 191, 559-563	18
2100	Prediction of horseshoe chaos in BVP and DVP oscillators. 1992 , 2, 271-280	30
2099	Possible regimes of generation of a semiconductor laser with a delayed optoelectric feedback. 1992 , 93, 66-72	16
2098	Box-counting algorithm and dimensional analysis of a pulsar. 1992 , 99, 196-202	4

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2096	A scaling test for correlation dimensions. 1992 , 169, 313-322		16
2095	Random sampling and the Grassberger-Procaccia algorithm. 1992 , 161, 429-432		9
2094	Diffusive aspects of global demons. 1992 , 166, 315-320		12
2093	Improved correlation dimension estimates through change of variable. 1992 , 163, 269-274		16
2092	Nonlinear dynamics in a laser with a negative delayed feedback. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 59, 297-319	3-3	25
2091	Using neural nets to look for chaos. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 58, 1-9	3-3	34
2090	Distinguishing between low-dimensional dynamics and randomness in measured time series. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 58, 31-49	3-3	248
2089	Testing for nonlinearity in time series: the method of surrogate data. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 58, 77-94	3-3	2716
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2087	Extraction of dynamical equations from chaotic data. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 58, 251-259	3-3	33
2086	Nonlinear analysis of data sampled nonuniformly in time. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 58, 273-283	3-3	5
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2083	A nonsmooth coulomb friction oscillator. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 59, 25-38	3-3	39
2082	Regimes of ionospheric turbulence from fractal analysis of satellite radio signal scintillations. 1992 , 54, 957-962		3
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2080	On the dimensional properties of a hadron. 1992 , 105, 497-501		2

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2078	Comparison of algorithms calculating optimal embedding parameters for delay time coordinates. <i>Physica D: Nonlinear Phenomena</i> , 1992 , 58, 127-137	3-3	83
2077	Correlation dimension of optokinetic nystagmus as evidence of chaos in the oculomotor system. 1992 , 39, 1319-21		13
2076	Hyperchaos in a chemical reaction. 1992 , 193, 305-310		43
2075	Hysteresis and Transition to Chaos in a Thermionic Plasma Discharge. 1992 , 32, 599-611		34
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2073	A complexity test based on the correlation integral. 1993 , 181, 381-386		1
2072	What does a low-dimensional weather attractor mean?. 1993 , 175, 299-304		16
2071	Noise reduction on chaotic attractors. 1993 , 175, 178-186		11
2070	Information theoretic test for nonlinearity in time series. 1993 , 175, 203-209		82
2069	Local exponential divergence plot and optimal embedding of a chaotic time series. 1993 , 181, 153-158		66
2068	Simultaneous occurrence of low-dimensional chaos and colored random noise in nonlinear physical systems. 1993 , 181, 159-171		41
2067	Limitations of delay reconstruction for chaotic systems with a broad spectrum. 1993 , 179, 15-22		8
2066	Coarse-grained embeddings of time series: random walks, Gaussian random processes, and deterministic chaos. <i>Physica D: Nonlinear Phenomena</i> , 1993 , 64, 431-454	3-3	89
2065	Improvement of K2-entropy calculations by means of dimension scaled distances. <i>Physica D: Nonlinear Phenomena</i> , 1993 , 65, 359-364	3-3	19
2064	Dangers of geometric filtering. <i>Physica D: Nonlinear Phenomena</i> , 1993 , 68, 427-436	3-3	53
2063	Study on nonlinear and nonequilibrium phenomena of a samarium nitrate crystal by measuring time series of AC conductivities. 1993 , 183, 135-144		19
2062	Operation Everest II: an indication of deterministic chaos in human heart rate variability at simulated extreme altitude. 1993 , 69, 205-12		33

2061	Strange attractors in atmospheric boundary-layer turbulence. 1993 , 64, 175-197		20
2060	Strange seismic attractor?. 1993 , 141, 71-81		13
2059	NONLINEARITIES IN EMERGING FOREIGN CAPITAL MARKETS. 1993 , 20, 237-248		31
2058	Reconstruction of spatio-temporal signals of complex systems. 1993 , 92, 211-219		20
2057	[Endogenous analgesic mechanism: new concepts from functional neuroanatomy, neurophysiology, neurobiology and chaos research.]. 1993 , 7, 250-61		4
2056	Estimating the correlation dimension of an attractor from noisy and small datasets based on re-embedding. <i>Physica D: Nonlinear Phenomena</i> , 1993 , 65, 373-398	3-3	27
2055	Estimating correlation dimension from a chaotic time series: when does plateau onset occur?. <i>Physica D: Nonlinear Phenomena</i> , 1993 , 69, 404-424	3-3	143
2054	Dynamical integral transform on fractal sets and the computation of entropy. <i>Physica D: Nonlinear Phenomena</i> , 1993 , 63, 282-298	3-3	9
2053	Computation of Lyapunov spectra: Effect of interactive noise and application to a chemical oscillator. <i>Physica D: Nonlinear Phenomena</i> , 1993 , 63, 117-137	3-3	39
2052	. 1993 , 18, 287-295		76
2051	The analysis of observed chaotic data in physical systems. 1993 , 65, 1331-1392		1340
2050	Observation of chaotic instability in the active mode locking of a semiconductor laser. 1993 , 10, 2065		6
2049	Evidence concerning non-linear structure in Canadian provincial unemployment rates. 1993 , 4, 333-343		5
2048	. 1993 , 29, 2421-2432		70
2047	.		1
2046	.		1
2045	.		0
2044	.		

2043	Limitations of delay reconstruction for chaotic dynamical systems. 1993 , 48, 904-912	3
2042	The chaotic attractor of the precursory field of the seimogenic system and its fractal dimension. 1993 , 6, 913-921	
2041	Efficiency of the Grassberger-Procaccia method in simulated data and real biological series reducing the number of spheres.	0
2040	.	1
2039	Fractal dimensionality for different transport modes in the turbulent boundary plasma of TEXTOR. 1993 , 35, 429-437	20
2038	Nonlinear dynamics established in the ENSO. 1993 , 20, 213-216	30
2037	Reconstruction of low-dimensional magnetospheric dynamics by singular spectrum analysis. 1993 , 20, 335-338	81
2036	Non-similar frequency-magnitude distribution for M 1993, 20, 427-430	20
2035	Correlation dimension and affinity of AE data and bicolored noise. 1993 , 20, 1527-1530	67
2034	Recurrent patterns in the spatial behaviour of Italian seismicity revealed by the fractal approach. 1993 , 20, 1911-1914	42
2033	Spatiotemporal dynamics in oscillatory zoned magmatic plagioclase. 1993 , 20, 1935-1938	11
2032	Is the AE index the result of nonlinear dynamics?. 1993 , 20, 2817-2820	14
2031	Fractal behavior of cosmic ray time series: Chaos or stochasticity?. 1993 , 98, 15241	10
2030	. 1993 , 42, 1222-1233	17
2029	.	4
2028	Classification of a polarimetric SAR image using fractal concepts.	1
2027	Fractal analysis of foetal heart rate variability. 1993 , 14, 309-15	21
2026	Stable Three-Frequency Quasi-Periodicity in Conductivity Oscillations of BSN Crystals. 1993 , 22, 499-504	4

2025	Temporal chaos of soliton dynamics in the PDE model of long Josephson junctions. 1993 , 26, 4937-4949	2
2024	Entropy and attractor dimension as measures of the field-atom interaction. 1993 , 47, 4404-4411	14
2023	Analysis of beat-to-beat 24-h /spl alpha/-baroreceptive gain: study of non linear dynamics.	
2022	.	2
2021	Assessing the entropy changes of Bloch-vector trajectories using experimental data. 1993 , 48, 4790-4792	1
2020	.	1
2019	Stimulated Brillouin scattering in fibers with and without external feedback. 1993 , 48, 3301-3309	66
2018	Characterization of period-doubling scenarios in Taylor-Couette flow. 1993 , 47, 1054-1065	19
2017	Stochastic to deterministic crossover of fractal dimensions for a Langevin equation. 1993 , 47, 3753-3756	2
2016	Measuring the similarity between trajectories using clustering techniques. 1993 , 3, 143-151	2
2015	Scattering in fibers: is there chaos?. 1993 , 2039, 122	1
2014	Long-duration correlation and attractor topology of the heartbeat rate differ for healthy patients and those with heart failure. 1993 ,	8
2013	Iceberg detection using chaos. 1993 , 2038, 299	
2012	Chaos and Fractals in Vascular Biology. 1994 , vmr-5, 161-182	8
2011	Nonlinear forecasting of non-uniform chaotic attractors in an enzyme reaction. 1994 , 348, 421-430	
2010	Chaos in biometry. 1994 , 11, 17-44	9
2009	.	2
2008	Recognizing chaos in radar images. 1994 , 27, 1608-1618	2

2007	Complexity of critical functions for Hamiltonian systems. 1994 , 27, 5201-5208	3
2006	An investigation of the electrode current oscillations caused by the potential relaxation instability in a weakly magnetized discharge plasma. 1994 , 27, 2080-2094	10
2005	Direct Dynamical Test for Deterministic Chaos. 1994 , 25, 485-490	32
2004	Adaptive Recognition of a Chaotic Dynamics. 1994 , 26, 327-332	54
2003	Direct dynamical test for deterministic chaos and optimal embedding of a chaotic time series. 1994 , 49, 3807-3814	82
2002	Characterization of the attractor governing the neon bulb RC relaxation oscillator. 1994 , 49, 5863-5866	3
2001	Coupled chaotic states and apparent noise in experiment and model. 1994 , 100, 1058-1065	30
2000	Intermittent breakdown of current-oscillation tori in n-type GaAs epitaxial layers. 1994 , 50, 14166-14170	2
1999	Sign-singular measure and its association with turbulent scalings. 1994 , 49, R2521-R2524	21
1998	Time-series analysis of transient chaos. 1994 , 49, 2756-2763	26
1997	.	
1996	Using neural networks for controlling chaos. 1994 , 49, 1225-1231	28
1995	Box-counting clustering analysis: Corrections for finite sample effects. 1994 , 49, 4907-4912	3
1994	Failure of dimension analysis in a simple five-dimensional system. 1994 , 50, 1770-1780	16
1993	Open-loop control of nonlinear systems. 1994 , 190, 264-272	13
1992	Identifying finite dimensional behaviour from broadband spectra. 1994 , 187, 59-66	2
1991	Testing for nonlinearity in weather records. 1994 , 193, 67-74	23
1990	Time dependencies in the occurrences of epileptic seizures. 1994 , 17, 81-94	89

1989	Dimensionalities of ozone attractors and their global distribution. <i>Physica D: Nonlinear Phenomena</i> , 1994 , 76, 331-343	3-3	9
1988	Characterization of sign singular measures. <i>Physica D: Nonlinear Phenomena</i> , 1994 , 76, 168-180	3-3	9
1987	Chaos in the unbalance response of journal bearings. 1994 , 5, 421-432		59
1986	Solar wind-magnetosphere-ionosphere coupling and chaotic dynamics. 1994 , 15, 703-754		7
1985	Electrochemical reaction dynamics: a review. 1994 , 49, 1493-1572		301
1984	Delta 2.0 $\bar{\Delta}$ program for finding dependencies in tables of data. 1994 , 83, 293-306		
1983	fluctuations in nonequilibrium and nonlinear phenomena of samarium nitrate crystals. 1994 , 203, 59-62		4
1982	p-germanium links physical and dynamical phase transitions. 1994 , 209, 301-308		1
1981	Driven chaotic motion in single- and double-well potentials. <i>Physica D: Nonlinear Phenomena</i> , 1994 , 72, 211-229	3-3	5
1980	Exceptional events as evidence for determinism. <i>Physica D: Nonlinear Phenomena</i> , 1994 , 73, 38-48	3-3	122
1979	From collective oscillations to collective chaos in a globally coupled oscillator system. <i>Physica D: Nonlinear Phenomena</i> , 1994 , 75, 74-80	3-3	88
1978	Spatial variation of correlation times for 1D phase turbulence. 1994 , 185, 395-400		4
1977	Predicting the dimension of strange attractors. 1994 , 192, 355-360		6
1976	Dynamic four-wave mixing induced by self-pump phase conjugation in Cu: KNSBN crystal. 1994 , 112, 163-168		4
1975	Book reviews. 1994 , 59, 105-132		
1974	Testing for non-linear dependence in inter-war exchange rates. 1994 , 130, 391-417		17
1973	The use of high-frequency filters in the investigation of the coloured-random-noise properties of cosmic-ray data. 1994 , 17, 337-347		2
1972	Neurobiology. Chaos under control. 1994 , 370, 596-7		17

1971	Correlation dimension of the human sleep electroencephalogram: cyclic changes in the course of the night. 1994 , 6, 497-500	42
1970	Effects of gap junction conductance on dynamics of sinoatrial node cells: two-cell and large-scale network models. 1994 , 41, 217-31	39
1969	Chaos theory and the dynamics of marketing systems. 1994 , 22, 218-233	41
1968	Preferential concentration of heavy particles in a turbulent channel flow. 1994 , 6, 3742-3749	336
1967	The impact of background noise on the determination of the fractal and statistical properties of cosmic ray time series. 1994 , 99, 4235	6
1966	Properties of AE data and bicolored noise. 1994 , 99, 13239	28
1965	The finite extension of fractal geometry and power law distribution of shallow earthquakes: A geomechanical effect. 1994 , 99, 21879-21889	20
1964	Chaos in geomagnetic reversal records: A comparison between Earth's magnetic field data and model disk dynamo data. 1994 , 99, 18021-18033	22
1963	Orbital forcing and endogenous interactions: Non-linearity, persistence and convergence in late Pleistocene climate. 1994 , 13, 709-725	9
1962	Estimation of the Correlation Dimension of All-Night Sleep EEG Data with a Personal Super Computer. 1994 , 283-290	1
1961	Spatial Chaos and its Role in Ecology and Evolution. 1994 , 326-344	5
1960	El nino chaos: overlapping of resonances between the seasonal cycle and the pacific ocean-atmosphere oscillator. 1994 , 264, 72-4	407
1959	Non-linear adjustment of real wages, employment and output in the UK. 1994 , 26, 459-463	1
1958	Lyapunov exponent analysis of irregular fluctuations in a self-pumped BaTiO ₃ phase-conjugate mirror, establishing transition to chaotic behavior. 1994 , 11, 476	14
1957	Fractal analysis of electroencephalographic signals intracerebrally recorded during 35 epileptic seizures: evaluation of a new method for synoptic visualisation of ictal events. 1994 , 91, 337-45	48
1956	Non-linear forecasting measurements of multichannel EEG dynamics. 1994 , 91, 383-91	30
1955	Analysis and prediction of chaos in rainfall and stream flow time series. 1994 , 153, 23-52	169
1954	Greater signal regularity may indicate increased system isolation. 1994 , 122, 161-81	201

1953	Chaotic dynamics of mode competition in a vertical-cavity surface emitting laser diode under DC excitation. 1994 , 30, 2500-2506	10
1952	Quasiperiodic and chaotic self-excited voltage oscillations in TlInTe ₂ . 1994 , 49, 16994-16998	28
1951	Estimation of the dominant degrees of freedom for air pollutant concentration data: Applications to ozone measurements. 1994 , 28, 1707-1714	26
1950	Changes in the fractal dimension of alpha envelope from wakefulness to drowsiness in the human electroencephalogram. 1994 , 174, 105-8	18
1949	Cultural transitions and epidemiology. 1994 , 43, 201-6	
1948	Hysteresis and cyclical variability in real wages, output and unemployment: empirical evidence from nonlinear methods for the United States. 1994 , 25, 943-965	
1947	Chaotic analysis of fetal heart rate variability.	1
1946	.	
1945	.	6
1944	Quantification of evolution from order to randomness in practical time series analysis. 1994 , 240, 68-89	29
1943	Measuring and characterizing spatial patterns, dynamics and chaos in spatially extended dynamical systems and ecologies. 1994 , 348, 497-514	15
1942	.	
1941	Chapter 7 Chaos at Different Levels of Heterogeneous Catalytic Systems. 1994 , 86, 249-267	
1940	Dynamical chaos determines the variability of transcranial Doppler signals. 1994 , 16, 353-8	7
1939	Security difficulties with a recently proposed chaotic based communication technique. 1994 , 30, 2014-2015	3
1938	Instabilities and Chaotic Behavior of Stock Prices in International Capital Markets. 1994 , 20, 14-42	
1937	Spatiotemporal chaos in an electric current driven ionic reaction-diffusion system. 1994 , 4, 531-546	7
1936	Bibliography. 1995 , 589-661	

1935 BACK MATTER. **1995**, 237-246

1934 The dynamical structure of tremor in tardive dyskinesia. **1995**, 5, 43-47 28

1933 Characteristics of Dimension Functions Associated With Cutting Measurements. **1995**, 117, 259-264

1932 Quantifying Complexity and Regularity of Neurobiological Systems. **1995**, 336-363 58

1931 Assessing the magnetosphere's nonlinear behavior: Its dimension is low, its predictability, high. **1995**, 33, 645 66

1930 .

1929 Necessity and Chance: deterministic chaos in ecology and evolution. **1995**, 32, 291-309 29

1928 Chaos and Economics. **1995**, 7, 522-529

1927 Observation of spontaneously excited chaos-like ion plasma oscillations. **1995**, 2, 3605-3608 6

1926 . **1995**, 14, 395-399 103

1925 A fractal characterization of the type II fiber distribution in the extensor digitorum longus and soleus muscles of the adult rat. **1995**, 18, 961-8 6

1924 Stirring-induced bifurcation driven by the chaotic regime in the Belousov-Zhabotinsky reaction in a CSTR. **1995**, 243, 540-544 2

1923 Noise-induced convergence of the low flow rate chaos in the Belousov-Zhabotinsky reaction. *Physica D: Nonlinear Phenomena*, **1995**, 84, 310-317 3.3 8

1922 Testing for nonlinearity using redundancies: quantitative and qualitative aspects. *Physica D: Nonlinear Phenomena*, **1995**, 80, 186-205 3.3 120

1921 An electronic analog of the Mackey-Glass system. **1995**, 201, 42-46 133

1920 A direct calculation of the spectrum of singularities $f(\beta)$ of multifractals. **1995**, 206, 318-322 20

1919 A Monte Carlo method for estimating the correlation exponent. **1995**, 78, 799-813 12

1918 Statistical decomposition of chaotic attractors by the eigenvectors of Oseledec matrix-active and passive information dynamics. **1995**, 5, 131-166 2

1917	Application of the correlation integral to respiratory data of infants during REM sleep. 1995 , 72, 543-51		20
1916	Nonlinear analysis of epicardial atrial electrograms of electrically induced atrial fibrillation in man. 1995 , 6, 419-40		59
1915	Dimensional analysis of resting human EEG. II: Surrogate-data testing indicates nonlinearity but not low-dimensional chaos. 1995 , 32, 486-91		138
1914	Exponential decay of power spectra at high frequency and positive Lyapunov exponents. <i>Physica D: Nonlinear Phenomena</i> , 1995 , 82, 136-153	3-3	42
1913	Remarks on the mean field dynamics of networks of chaotic elements. <i>Physica D: Nonlinear Phenomena</i> , 1995 , 86, 158-170	3-3	41
1912	Evidence of low dimensional chaos in renal blood flow control in genetic and experimental hypertension. <i>Physica D: Nonlinear Phenomena</i> , 1995 , 80, 95-104	3-3	17
1911	Low dimensional chaos is present in radon time variations. 1995 , 28, 73-89		7
1910	Statistical estimation of the correlation dimension. 1995 , 197, 31-39		24
1909	Delayed feedback control of chaos by self-adapted delay time. 1995 , 198, 433-436		98
1908	Characterising experimental time series using local intrinsic dimension. 1995 , 202, 183-190		5
1907	Investigation of nonlinear structure in multichannel EEG. 1995 , 202, 352-358		113
1906	Single-particle trajectories in two-dimensional turbulence. 1995 , 5, 2055-2071		16
1905	Dynamics beyond the adiabatic approximation. 1995 , 5, 1051-1067		7
1904	Characterization of strange attractors of Lorenz model of general circulation of the atmosphere. 1995 , 6, 357-366		30
1903	Parallel implementation of a general purpose functional predictor for chaotic time series. 1995 , 41, 1-15		1
1902	Fractal structure of marine measuring networks. 1995 , 18, 177-182		1
1901	Chaotic and fractal properties of laboratory-generated surface water waves. 1995 , 18, 195-207		
1900	Evaluation of nonlinear dynamics in postural steadiness time series. 1995 , 23, 711-9		25

1899	Revealing oscillators calculation of the dimension of attractors. 1995 , 3, 149-178	1
1898	A new chaos detector. 1995 , 21, 417-431	2
1897	A complex Ginzburg-Landau equation in magnetism. 1995 , 150, L143-L145	2
1896	. 1995 , 83, 95-122	155
1895	Approximate entropy (ApEn) as a complexity measure. 1995 , 5, 110-117	799
1894	Finding chaos in experimental time series: The case of two-phase flow. 1995 , 110, 1415-1428	4
1893	An Ecological Task Analysis Approach for Understanding Motor Development in Mental Retardation: Research Questions and Strategies. 1995 , 40, 33-66	1
1892	Volatility of a Seemingly Fixed Exchange Rate. 1995 ,	
1891	Chaotic Behavior of Hemodynamics with Ventricular Assist System. 1995 , 18, 17-21	9
1890	Predicting and characterizing data sequences from structure-variable systems. 1995 , 51, 6254-6257	3
1889	Analysis of spatiotemporal signals of complex systems. 1995 , 51, 3890-3900	28
1888	Multifractal texture classification of images.	2
1887	Global vector field reconstruction from a chaotic experimental signal in copper electrodisolution. 1995 , 51, 4262-4266	27
1886	Systematic error of dimension estimates using fixed mass scaling methods. 1995 , 51, 4132-4140	2
1885	Evidence for deterministic chaos as the origin of electrical tree breakdown structures in polymeric insulation. 1995 , 52, 16985-16988	25
1884	.	
1883	Using chaotic attractors as a means of discriminating neonatal heart rate variability.	
1882	Nonlinear time series analysis of electrocardiograms. 1995 , 5, 95-101	28

1881	Poincare analysis of fetal heart rate pattern: effect of observation period.	2
1880	Chaos Control and Tracking of Periodic States in a Forced Thermokinetic Oscillator Model. 1995 , 99, 1049-1056	4
1879	Chaos : Its significance and detection in biology. 1995 , 26, 233-252	44
1878	Bifurcation and Modal Interaction in a Simplified Model of Bending-Torsion Vibrations of the Thin Elastica. 1995 , 117, 30-42	4
1877	Deterministic Chaotic Behavior of Heat Transfer in Gas Fluidized Beds. 1995 , 117, 465-472	15
1876	Study of self-similar and self-affine objects using logarithmic correlation integral. 1995 , 28, 559-571	13
1875	Chaos and Forecasting. 1995 ,	3
1874	Non-linear dependence in unemployment, output and inflation: empirical evidence for the UK. 1995 , 231-255	4
1873	.	0
1872	Dynamical disease: Identification, temporal aspects and treatment strategies of human illness. 1995 , 5, 1-7	117
1871	Fractal dimension analysis of the oscillated blood flow with a vibrating flow pump. 1995 , 19, 729-33	12
1870	Relaxation-oscillation-induced chaotic instabilities in modulated external-cavity semiconductor lasers. 1995 , 12, 1150	3
1869	Correlation dimension changes accompanying the occurrence of the mismatch negativity and the P3 event-related potential component. 1995 , 95, 118-26	89
1868	Parameters of EEG dimensional complexity in Alzheimer's disease. 1995 , 95, 84-9	94
1867	Investigation of EEG non-linearity in dementia and Parkinson's disease. 1995 , 95, 309-17	126
1866	Nonlinear sequence-dependent structure of nigral dopamine neuron interspike interval firing patterns. 1995 , 69, 128-37	29
1865	. 1995 , 20, 56-64	25
1864	Experimental Characterization of the Solid Phase Chaotic Dynamics in Three-Phase Fluidization. 1995 , 34, 2971-2980	48

1863	An accelerated learning algorithm for multilayer perceptrons: optimization layer by layer. 1995 , 6, 31-42	103
1862	Evidence of chaotic mood variation in bipolar disorder. 1995 , 52, 947-59	171
1861	.	
1860	Comparison of neural networks to statistical techniques for prediction of time series generated by nonlinear dynamic systems.	2
1859	.	
1858	Chaotic behavior in a deterministic model of circus movement tachycardia in the WPW syndrome.	
1857	Correlation dimension analysis of long term ECG: study on an automatic computation of scaling regions.	
1856	Dynamics of fine scale variables versus averaged observables in a simplified thermal convection model. 1995 , 100, 16367	5
1855	Symmetry breaking and period doubling on a torus in the VLF regime in Taylor-Couette flow. 1996 , 54, 4938-4957	27
1854	Measurements of spatiotemporal dynamics in a forced plane mixing layer. 1996 , 320, 71	11
1853	Is the US business cycle asymmetric? Some further evidence. 1996 , 28, 405-415	17
1852	Self-Affinity in Braided Rivers. 1996 , 32, 1429-1439	87
1851	A Deterministic Geometric Representation of Temporal Rainfall: Results for a Storm in Boston. 1996 , 32, 2825-2839	62
1850	The organization and function of endogenous antinociceptive systems. 1996 , 50, 49-81	200
1849	Discrimination of sleep stages: a comparison between spectral and nonlinear EEG measures. 1996 , 98, 401-10	204
1848	Use of non-linear EEG measures to characterize EEG changes during mental activity. 1996 , 99, 214-24	94
1847	The organized nonlinear dynamics of the magnetosphere. 1996 , 101, 13089-13113	143
1846	Statistical physics, seismogenesis, and seismic hazard. 1996 , 34, 433-462	296

1845	Low-dimensional dynamic self-organization in delta-sleep: effect of partial sleep deprivation. 1996 , 74, 395-403	3
1844	The evolution of complexity in human brain development: an EEG study. 1996 , 99, 405-11	108
1843	Control of chaos by self-adapted delayed feedback. 1996 , 239-247	1
1842	Smoothing data with local instabilities for the identification of chaotic systems. 1996 , 63, 483-505	8
1841	Heart rate control in infants at high risk for sudden infant death syndrome (SIDS).	
1840	Estimating invariants of noisy attractors. 1996 , 53, R4263-R4266	55
1839	On the use of wavelets to separate dynamical activities embedded in a time series.	1
1838	Impetus for future growth in the globalization of stock investments: an evidence from joint time series and chaos analyses.	0
1837	Literaturverzeichnis. 1996 , 110-124	
1836	Multifractal nature of unvoiced speech signals. 1996 ,	3
1835	Acceleration of Alfvén solitons. 1996 , T63, 186-189	10
1834	Females secrete growth hormone with more process irregularity than males in both humans and rats. 1996 , 270, E107-15	73
1833	Dynamics of the brain at global and microscopic scales: Neural networks and the EEG. 1996 , 19, 285-295	238
1832	Is the time ripe for integration of scales?. 1996 , 19, 295-296	
1831	Is the distribution of coherence a test of the model?. 1996 , 19, 296-296	
1830	Levels, models, and brain activities: Neurodynamics is pluralistic. 1996 , 19, 296-297	2
1829	Multiscale modeling of the brain should be validated in more detail against the biological data. 1996 , 19, 297-298	
1828	Neural system stability. 1996 , 19, 298-299	

1827	Modeling for modeling's sake?. 1996 , 19, 299-299	
1826	Nonlinear nonequilibrium nonquantum nonchaotic statistical mechanics of neocortical interactions. 1996 , 19, 300-301	3
1825	Comparative reduction of theories for over-simplification?. 1996 , 19, 301-302	1
1824	Why does the human brain need to be a nonlinear system?. 1996 , 19, 302-303	30
1823	Neuromodulation can significantly change the dynamical state of cortical networks. 1996 , 19, 303-304	
1822	Empirical data base for simulation: Firing rates and axonal conduction velocity for cortical neurones. 1996 , 19, 304-305	
1821	Chaos in induced rhythms of the brain the value of ERP studies. 1996 , 19, 305-305	1
1820	Multiscale neocortical dynamics, experimental EEG measures, and global facilitation of local cell assemblies. 1996 , 19, 305-306	4
1819	Dynamics of the brain from the statistical properties of neural signals to the development of representations. 1996 , 19, 306-307	
1818	Is there chaos in the brain?. 1996 , 19, 307-308	14
1817	The EEG data indicate stochastic nonlinearity. 1996 , 19, 308-308	
1816	The form of chaos in the noisy brain can manifest function. 1996 , 19, 309-309	1
1815	Rhythmicity in the EEG and global stabilization of the average level of excitation in the cerebral cortex. 1996 , 19, 309-310	2
1814	Multiscale modeling of brain dynamics depends upon approximations at each scale. 1996 , 19, 310-320	
1813	Time series analysis of scalar time-delay systems. 1996 , 229-238	
1812	Enlarged scaling ranges for the KS-entropy and the information dimension. 1996 , 6, 167-171	13
1811	Higher Order Statistics for Chaotic Signal Analysis. 1996 , 105-154	5
1810	Deterministic chaos analysis of particle dynamics in three-phase systems.. 1996 , 29, 675-682	11

1809	Characterization of Anomalies by Applying Methods of Fractal Analysis. 1996 , 113, 86-99		4
1808	Estimating Human Sensations Using Chaos Analysis of Nose Skin Temperature. 1996 , 8, 95-104		2
1807	Left-insular cortex lesions perturb cardiac autonomic tone in humans. 1996 , 6, 131-40		240
1806	Fractal character of the electrocardiogram: distinguishing heart-failure and normal patients. 1996 , 24, 269-93		88
1805	Chaotic behavior in computer mediated network communication. 1996 , 32, 555-562		
1804	Chaos and stochasticity in volcanic eruptions the case of Mount Etna and Vesuvius. 1996 , 70, 205-212		20
1803	Test of the deterministic conjecture for the instantaneous time phase fluctuations of an oscillator. 1996 , 51, 351-360		1
1802	Classification of coupling patterns among spontaneous rhythms and ventilation in the sympathetic discharge of decerebrate cats. 1996 , 75, 163-72		17
1801	Nonlinearity in normal human EEG: cycles, temporal asymmetry, nonstationarity and randomness, not chaos. 1996 , 75, 389-96		125
1800	The concept of multifractal elasticity. 1996 , 210, 51-59		18
1799	A graphical representation of local correlations in time series □Assessment of cardiac dynamics. 1996 , 221, 43-55		16
1798	Detecting low-dimensional chaos in time series of finite length generated from discrete parameter processes. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 90, 31-39	3-3	10
1797	State space reconstruction parameters in the analysis of chaotic time series □the role of the time window length. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 95, 13-28	3-3	201
1796	Nonlinear transcranial Doppler analysis demonstrates age-related changes of cerebral hemodynamics. 1996 , 22, 383-90		12
1795	Hydrodynamics and heat transfer of rheologically complex fluids in a Sulzer SMX static mixer. 1996 , 51, 1947-1955		34
1794	Ergodic theorems arising in correlation dimension estimation. 1996 , 85, 25-40		7
1793	Detection of seizures from small samples using nonlinear dynamic system theory. 1996 , 43, 743-51		40
1792	Improving cardiovascular monitoring through modern techniques. 1996 , 15, 68-78		10

1791	The nature of dominant Lyapunov exponent and attractor dimension curves of EEG in sleep. 1996 , 26, 419-28		19
1790	Application of methods based on higher-order statistics for chaotic time series analysis. 1996 , 53, 133-148		11
1789	Correlation integrals for inhomogeneously distributed random data. 1996 , 7, 197-203		4
1788	Diagnosing time series dynamical structures. 1996 , 7, 977-990		4
1787	Detecting non-linearities in neuro-electrical signals: A study of synchronous local field potentials. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 94, 65-91	3-3	15
1786	Crisis in electrical behavior of the TlInSe ₂ semiconducting compound. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 93, 157-164	3-3	14
1785	Indications of nonlinearity, intraindividual specificity and stability of human EEG: The unfolding dimension. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 93, 165-190	3-3	23
1784	Coarse-grained entropy rates for characterization of complex time series. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 93, 64-77	3-3	84
1783	Recognizing chaotic time-waveforms in terms of a parametrized family of nonlinear predictors. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 95, 380-395	3-3	15
1782	Monitoring changing dynamics with correlation integrals: Case study of an epileptic seizure. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 97, 563-576	3-3	79
1781	Recovery of scalar time-delay systems from time series. 1996 , 211, 345-349		38
1780	An upper bound for the proper delay time in chaotic time-series analysis. 1996 , 218, 30-34		13
1779	Time series behaviour of ac conductivity in metastable phenomena of europium nitrate crystals. 1996 , 7, 1863-1869		15
1778	Stationarity and nonstationarity in time series analysis. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 99, 134-161		115
1777	Characterizing nonlinearity in invasive EEG recordings from temporal lobe epilepsy. <i>Physica D: Nonlinear Phenomena</i> , 1996 , 99, 381-399	3-3	52
1776	Intermittent behaviour of volcanic tremor at Mt. Etna. 1996 , 147, 729-744		6
1775	Wave separation versus bandpass filtering: a comparative non-linear analysis of brain EEG signals with and without psychotropic drug treatment. 1996 , 22, 209-225		4
1774	Nonlinear time series analysis of the ionospheric measurements. 1996 , 85, 124		1

1773	Surrogate data analysis of sleep electroencephalograms reveals evidence for nonlinearity. 1996 , 75, 85-92	39
1772	Changes in autonomic activity preceding onset of nonsustained ventricular tachycardia. 1996 , 1, 3-11	20
1771	Statistical Properties of the Norris Lake, GA, Earthquake Swarm of 1993. 1996 , 67, 57-63	2
1770	Nuisance parameter free properties of correlation integral based statistics. 1996 , 15, 237-259	37
1769	Quantitative characterization of turbulence in an optical experiment. 1996 , 53, 5399-5402	17
1768	Statistics of approximately self-affine fractals: Random corrugated surface and time series. 1996 , 53, 5749-5763	42
1767	Tool to recover scalar time-delay systems from experimental time series. 1996 , 54, R3082-R3085	53
1766	? REVIEW : Chaos Theory and Epilepsy. 1996 , 2, 118-126	143
1765	Observation of bifurcation phenomena in an electron beam plasma system. 1996 , 3, 4440-4445	7
1764	Computer simulations of the chaotic dynamics of the Pierce beam plasma system. 1996 , 3, 177-191	45
1763	The influence of lead selection on the correlation dimension for quantification of the chaotic attractor underlying polymorphic tachyarrhythmias.	
1762	Hidden order in the frequency noise of an electronic oscillator. 1996 , 54, 6093-6101	5
1761	Practical implementation of error estimation for the correlation dimension. 1996 , 53, 5831-5836	2
1760	. 1996 , 32, 768-774	1
1759	Chaos in blood pressure control. 1996 , 31, 380-387	42
1758	Diagnostic usefulness of linear and nonlinear quantitative EEG analysis in Alzheimer's disease. 1996 , 27, 69-77	40
1757	Heating and acceleration at X-point reconnection. 1996 , T63, 197-202	8
1756	Application of Chaos Theory in Identification of Two-Phase Flow Patterns and Transitions in a Small, Horizontal, Rectangular Channel. 1996 , 118, 383-390	41

1755	The dynamics of optically pumped molecular lasers. On its relation with the Lorenz - Haken model. 1997 , 9, R1-R35	13
1754	HF laser pumped by a generator with an inductive energy storage unit. 1997 , 27, 485-486	2
1753	Phase space control and consequences for cooling by using a laser-undulator beat wave. 1997 , 55, 5948-5963	5
1752	Influence of Gaussian noise on the correlation exponent. 1997 , 56, 274-277	15
1751	Chaotic annealing for optimization. 1997 , 55, 2580-2587	30
1750	Topological analysis of chaos in the optically pumped laser. 1997 , 55, 2479-2487	9
1749	Adaptive recognition and filtering of noise using wavelets. 1997 , 55, 5393-5397	13
1748	Effective deterministic models for chaotic dynamics perturbed by noise. 1997 , 55, 5234-5247	10
1747	Missing motor of on-off intermittency. 1997 , 55, 58-64	8
1746	Discrimination power of measures for nonlinearity in a time series. 1997 , 55, 5443-5447	135
1745	Use of correlation dimension function in dynamic systems.	
1744	Deterministic point processes generated by threshold crossings: Dynamics reconstruction and chaos control. 1997 , 55, 2397-2402	19
1743	Time structure of chaotic attractors: A graphical view. 1997 , 56, 1188-1196	8
1742	Chaotic behavior of respiration signals.	1
1741	Correlation dimension of electroglottographic data from healthy and pathologic subjects. 1997 , 102, 2371-9	38
1740	Measurement of the complexity of the heart beat intervals.	
1739	Inverse filtering of room acoustics using a nonlinear dynamical approach.	1
1738	Nonlinear chaotic dynamics of mean arterial pressure after carotid baroreceptor isolation.	0

1737	An estimation of the correlation dimension for the EEG in emotional states.	1
1736	Chaotic dynamics of sea clutter: an experimental study. 1997 ,	2
1735	Non-traditional analysis of stock returns. 1997 , 24, 671-688	
1734	Chaotic dynamics of sea clutter. 1997 , 7, 777-802	59
1733	Trajectory Parallel Measure Method for Measuring the Degree of Deterministic Property in the Observed Time Series Data. 1997 , 9, 580-588	10
1732	Correlation dimension for iterated function systems. 1997 , 349, 1783-1796	9
1731	Age, gender and fractal scaling in heart rate variability. 1997 , 93, 299-308	33
1730	Consistent estimation to determine the embedding dimension in financial data; with an application to the dollar/deutschmark exchange rate. 1997 , 3, 231-242	1
1729	PHYSIOLOGICAL CONTROL SYSTEMS. 1997 , 237-280	
1728	Reconstructing Cardiovascular Dynamics. 1997 , 30, 7-12	1
1727	Entropy conservation as $h(T(\epsilon))$ approximately $\lambda(\epsilon) + d(\epsilon)$ in neurobiological dynamical systems. 1997 , 7, 67-81	17
1726	Nonlinear analysis of the pharmacological conversion of sustained atrial fibrillation in conscious goats by the class Ic drug cibenzoline. 1997 , 7, 430-446	24
1725	Cosmic lacunarity. 1997 , 7, 82-88	5
1724	Could nonlinear dynamics contribute to intra-day risk management?. 1997 , 3, 311-324	
1723	Nonlinear noise reduction for the analysis of heart rate variability signals in normal and heart transplanted subjects.	1
1722	Dynamic differences between ventricular fibrillation types induced in human patients by different types of stimulation.	
1721	Recovery of the time-evolution equation of time-delay systems from time series. 1997 , 56, 5083-5089	76
1720	Nonlinear analysis of river flow time sequences. 1997 , 33, 1353-1367	132

1719	Time clustering properties of seismicity in the Etna Region between 1874 and 1913. 1997 , 24, 2331-2334	25
1718	Applications of Fractal Geometry in Wildlife Biology. 1997 , 32-69	31
1717	Control and Chaos. 1997 ,	13
1716	[Contribution of non-linear mathematics (chaos theory) to EEG analysis]. 1997 , 27, 406-28	14
1715	Interpolating a palaeoclimatic time series: nonlinearity, persistence and trending in the Cenozoic. 1997 , 128, 17-27	1
1714	On the correlation dimension of ECG signals.	
1713	Detecting low-dimensional chaos in geophysical time series. 1997 , 102, 3195-3209	18
1712	Propagation of electrical tree structures in solid polymeric insulation. 1997 , 4, 259-279	89
1711	Dimensional complexity of the EEG in subcortical stroke--a case study. 1997 , 25, 193-9	22
1710	Non-linear analysis of emotion EEG: calculation of Kolmogorov entropy and the principal Lyapunov exponent. 1997 , 226, 13-6	45
1709	Statistical characteristics and origin of oscillatory zoning in crystals. 1997 , 82, 596-606	45
1708	Estimating Correlation Dimensions of Biological Time Series with a Reliable Method. 1997 , 5, 33-52	14
1707	Disorderly and nonstationary insulin secretion in relatives of patients with NIDDM. 1997 , 272, E218-26	38
1706	Discussion: Stall Precursor Identification in High-Speed Compressor Stages Using Chaotic Time Series Analysis Methods[Bright, M. M., Qammar, H. K., Weigl, H. J., and Paduano, J. D., 1997, ASME J. Turbomach., 119, pp. 491-499]. 1997 , 119, 499-499	
1705	Reconstructing a Dynamics from a Scalar Times Series. 1997 , 808, 25-50	11
1704	Topological Structure of Chaotic Systems. 1997 , 808, 51-78	3
1703	Through a Glass Darkly: Distinguishing Chaotic from Stochastic Resonance. 1997 , 808, 79-96	1
1702	A Nonlinear Model of the Term Structure of Interest Rates. 1997 , 7, 177-209	6

1701	A new estimator for information dimension with standard errors and confidence intervals. 1997 , 71, 187-206	2
1700	Lacunarity of random fractals. 1997 , 228, 351-356	10
1699	On the overestimation of the correlation dimension. 1997 , 235, 24-30	25
1698	Some special features of the transition to chaos in the self-modulation of surface spin waves. 1997 , 66, 261-265	11
1697	Using nonlinear dynamic metric tools for characterizing brain structures. 1997 , 16, 83-92	16
1696	Fractal characteristics of gas-solids flow in a circulating fluidized bed. 1997 , 90, 205-212	21
1695	Nonlinear dynamics of epileptic seizures on basis of intracranial EEG recordings. 1997 , 9, 249-70	113
1694	Nonlinear forecasting measurements of the human EEG during evoked emotions. 1997 , 10, 155-62	9
1693	On the correlation dimension of optokinetic nystagmus eye movements: computational parameters, filtering, nonstationarity, and surrogate data. 1997 , 76, 237-50	16
1692	Non-linear analysis of the electroencephalogram in Creutzfeldt-Jakob disease. 1997 , 77, 247-56	45
1691	Use of the fractal dimension for the analysis of electroencephalographic time series. 1997 , 77, 339-50	262
1690	Interactions et coalescence des bulles dans les fluides rhéologiquement complexes. 1997 , 324, 491-500	2
1689	Fractal analysis of the solar wind flow in the inner heliosphere. 1997 , 8, 1601-1607	19
1688	Superconducting quantum interference in fractal percolation films. Problem of $1/f$; noise. 1997 , 240, 242-253	3
1687	Chaos and the jerky flow in Al-Mg polycrystals. 1997 , 234-236, 314-317	6
1686	Complex 1D-spatio-temporal behaviour generated by hot-wire heating below an interface. 1997 , 227, 79-86	2
1685	A vectorized algorithm for correlation dimension estimation. 1997 , 229, 375-378	5
1684	Observation of lower hybrid wave packets with very large amplitude in a high-voltage linear plasma discharge. 1997 , 234, 219-224	5

1683	The necessity for a time local dimension in systems with time-varying attractors. 1997 , 236, 363-375		8
1682	Recent results for the thermostatted Lorentz gas. 1997 , 240, 84-95		10
1681	Propagation of periodic and chaotic action potential trains along nerve fibers. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 100, 212-224	3-3	26
1680	Approximate, saturated and blurred self-affinity of random processes with finite domain power-law power spectrum. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 101, 116-130	3-3	9
1679	Assessing different norms in nonlinear analysis of noisy time series. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 105, 62-78	3-3	10
1678	Significance testing of information theoretic functionals. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 110, 62-66	3-3	24
1677	Identification of deterministic chaos by an information-theoretic measure of the sensitive dependence on the initial conditions. <i>Physica D: Nonlinear Phenomena</i> , 1997 , 110, 173-181	3-3	6
1676	The analysis of chaotic time-series data. 1997 , 31, 313-319		8
1675	Chaotic bubble coalescence in non-Newtonian fluids. 1997 , 23, 713-723		37
1674	Non-linear dynamics of a two phase flow system in an evaporator: The effects of (i) a time varying pressure drop (ii) an axially varying heat flux. 1997 , 178, 279-294		26
1673	Convergence of numerical box-counting and correlation integral multifractal analysis techniques. 1997 , 30, 1565-1570		5
1672	Non-Linearities in East European Black-Market Exchange Rates. 1997 , 2, 39-57		9
1671	Spatial extension of brain activity fools the single-channel reconstruction of EEG dynamics. 1997 , 5, 26-47		27
1670	Detecting chaos in HRV signals in human cardiac transplant recipients. 1997 , 30, 188-99		6
1669	Procedure for estimating the correlation dimension of optokinetic nystagmus signals. 1997 , 30, 95-116		15
1668	Simulation of Fluidized Beds with Lattice Gas Cellular Automata. 1997 , 135, 1-7		2
1667	A Nonlinear Temporal Headway Model of Traffic Dynamics. 1998 , 16, 127-151		24
1666	Experimental Observation of Chaotic Motion in a Rotor with Rubbing. 1998 , 16, 55-70		22

1665	Chaos in Foreign Exchange Markets: A Sceptical View. 1998 , 11, 265-281	7
1664	Statistical Properties of a Time-Series-Complexity Measure Applied to Stock Returns. 1998 , 11, 167-187	3
1663	The topography of non-linear cortical dynamics at rest, in mental calculation and moving shape perception. 1998 , 10, 291-9	17
1662	EVIDENCE OF CHAOTIC BEHAVIOR IN SINGAPORE RAINFALL1. 1998 , 34, 301-310	43
1661	Chaotic characteristics of renal nerve peak interval sequence in normotensive and hypertensive rats. 1998 , 25, 896-903	10
1660	An algorithm for the automatic differentiation between the speech of normals and patients with Friedreich's ataxia based on the short-time fractal dimension. 1998 , 28, 75-89	5
1659	Reconstruction and cross-prediction in coupled map lattices using spatio-temporal embedding techniques. 1998 , 247, 145-160	25
1658	Non-linear dynamical analysis of the EEG in Alzheimer's disease with optimal embedding dimension. 1998 , 106, 220-8	106
1657	Quantitative techniques for analyzing high-resolution cardiac-mapping data. 1998 , 17, 62-72	16
1656	Applying nonlinear dynamics to ECG signal processing. Two approaches to describing ECG and HRV signals. 1998 , 17, 96-101	42
1655	Applications of the growing self-organizing map. 1998 , 21, 91-100	35
1654	Human ECG: nonlinear deterministic versus stochastic aspects. 1998 , 145, 279-284	38
1653	Studying artificial life with a molecular automaton. 1998 , 193, 257-85	15
1652	Chaotic Behavior of Bubble Coalescence in Non-Newtonian Fluids. 1998 , 21, 983-985	1
1651	Determining the degree of chaos from analysis of ISI time series in the nervous system: a comparison between correlation dimension and nonlinear forecasting methods. 1998 , 78, 159-65	17
1650	Quantification of emotion by nonlinear analysis of the chaotic dynamics of electroencephalograms during perception of 1/f music. 1998 , 78, 217-25	35
1649	On the mechanism of occurrence of chaotic dynamics in a vacuum microwave generator with a virtual cathode. 1998 , 41, 764-770	5
1648	Classification of foetal heart rate sequences based on fractal features. 1998 , 36, 197-201	21

1647	Nonlinear analysis of the EEG of schizophrenics with optimal embedding dimension. 1998 , 20, 669-76		58
1646	The influence of noise on the correlation dimension of chaotic attractors. 1998 , 9, 343-361		50
1645	On Chaotic Oscillations of a Laminated Composite Cylinder Subject to Periodic Application of Temperature. 1998 , 9, 1529-1554		6
1644	On the influence of noise on the largest Lyapunov exponent and on the geometric structure of attractors. 1998 , 9, 947-958		15
1643	On linearisable noisy systems. 1998 , 9, 895-899		5
1642	Testing for nonlinearity in the solar wind flow. 1998 , 9, 221-229		13
1641	Local filtering of noisy nonlinear time series. 1998 , 249, 209-217		4
1640	Metric adaption for analog forecasting. 1998 , 253, 379-393		9
1639	Chaotic foldings. 1998 , 258, 69-76		
1638	Dimension de corrlation locale et dimension de Hausdorff des processus vectoriels continus. 1998 , 326, 589-594		6
1637	Nonlinear dynamic systems evaluation of rhythmic' eye movements (optokinetic nystagmus). 1998 , 83, 45-56		11
1636	Effective scaling regime for computing the correlation dimension from chaotic time series. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 115, 1-18	3-3	59
1635	Correlation dimension: A pivotal statistic for non-constrained realizations of composite hypotheses in surrogate data analysis. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 120, 386-400	3-3	35
1634	Correlation integral as a tool for distinguishing between dynamics and statistics in time series data. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 120, 369-385	3-3	8
1633	Testing for an attractor in the solar wind flow. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 122, 254-264	3-3	26
1632	A fast general purpose algorithm for the computation of auto- and cross-correlation integrals from single channel data. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 121, 65-74	3-3	25
1631	Estimating the dimension of high-dimensional attractors: A comparison between two algorithms. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 121, 237-251	3-3	21
1630	A new method to estimate the Kolmogorov entropy from recurrence plots: its application to neuronal signals. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 122, 265-279	3-3	88

1629	Tongue-like bifurcation structures of the mean-field dynamics in a network of chaotic elements. <i>Physica D: Nonlinear Phenomena</i> , 1998 , 124, 177-200	3-3	25
1628	Non-linear dynamic complexity of the human EEG during evoked emotions. 1998 , 28, 63-76		59
1627	Human scalp-recorded EEG may be a result of activity of weakly-coupled subsystems. 1998 , 250, 72-4		6
1626	Theory: Foundations of Artificial Neural Networks. 1998 , 33, 17-199		13
1625	Learning vector quantization networks. 1998 , 33, 271-82		
1624	Chaos in the heart: signals and models.		0
1623	Quantitative evaluation of heart rate variability associated with autonomic nervous system dysfunction/blockade [ECG analysis].		
1622	Synchronization of coupled time-delay systems: Analytical estimations. 1998 , 58, 3067-3071		184
1621	Detecting Bifurcations in Voice Signals. 1998 , 325-344		5
1620	New Nonlinear Algorithms for Analysis of Heart Rate Variability: Low-Dimensional Chaos Predicts Lethal Arrhythmias. 1998 , 129-166		2
1619	Problems in the Reconstruction of High-dimensional Deterministic Dynamics from Time Series. 1998 , 23-47		3
1618	Chaotic Measures and Real-World Systems. 1998 , 49-66		4
1617	Experimental study on chaotic motion of a flooded ship in waves. 1998 , 454, 2537-2553		16
1616	Toward an understanding of the nonlinear nature of atmospheric photochemistry: Essential dynamic model of the mesospheric photochemical system. 1998 , 103, 25447-25460		25
1615	The nonlinear time series properties of unemployment rates: some further evidence. 1998 , 30, 287-294		16
1614	Analysis of chaotic dynamics in EEG and its application to assessment of mental workload.		3
1613	Threshold nonlinearities in output: some international evidence. 1998 , 30, 323-333		15
1612	Nonlinear Analysis of Physiological Data. 1998 ,		35

1611	An effective algorithm for quick fractal analysis of movement biosignals in ambulatory monitoring.	1
1610	References . 1998 , 1, 531-557	
1609	Measuring Temporal Complexity in the External Environment: Nonlinearity and the Bounds of Rational Action. 1998 , 28, 246-265	1
1608	Discrimination of deterministic dynamics in the spontaneous activity of the human brain cortex. 1998 , 42, 247-252	2
1607	A nine-dimensional Lorenz system to study high-dimensional chaos. 1998 , 31, 7121-7139	43
1606	Bayes' estimators of generalized entropies. 1998 , 31, 2551-2566	25
1605	Searching for chaos in fluctuations of a plasma induced during cw- laser welding. 1998 , 31, 680-692	9
1604	Noisy time series generation by feed-forward networks. 1998 , 31, 1189-1209	4
1603	Observation of type-1 intermittency caused by current-driven ion acoustic instability. 1998 , 5, 401-405	12
1602	Bifurcation phenomena and chaotic attractors in a six-dimensional nonlinear system. 1998 , 83, 6371-6373	0
1601	Chaotic flows and kinematic magnetic dynamos: A tutorial review. 1998 , 5, 1636-1646	54
1600	Chaos in segments from Korean traditional singing and Western singing. 1998 , 103, 1175-1182	8
1599	Unstable periodic orbits in human cardiac rhythms. 1998 , 57, 4594-4603	24
1598	Characterizing the clarinet tone: Measurements of Lyapunov exponents, correlation dimension, and unsteadiness. 1998 , 104, 550-561	9
1597	Unfolding dimension and the search for functional markers in the human electroencephalogram. 1998 , 57, 2115-2122	8
1596	Target detection in airborne laser radar based on chaos.	
1595	Power of surrogate data testing with respect to nonstationarity. 1998 , 58, 5153-5156	58
1594	On the evidence of deterministic chaos in ECG: Surrogate and predictability analysis. 1998 , 8, 495-502	94

1593	A novel nonlinear car-following model. 1998 , 8, 791-799	31
1592	The calculation of complexity in normal and apoplectic EEG signals. 1998 , 21, 585-594	
1591	Heart period variability and respiratory changes associated with physical and mental load: non-linear analysis. 1998 , 41, 746-55	16
1590	Nonlinear dynamics of 3 Hz spike-and-wave discharges recorded during typical absence seizures in children. 1998 , 8, 524-33	24
1589	.	12
1588	Chaos in a dynamic model of traffic flows in an origin-destination network. 1998 , 8, 503-513	19
1587	Statistical Evaluation of Symbolic Regression Forecasting of Time-Series. 1998 , 31, 275-279	1
1586	Is There Chaos on the German Labour Market?. 1998 , 31, 313-319	
1585	Stability and Instability in the Dynamics of Perceptual Learning. 1998 , 126, 337-357	1
1584	Analysis of Deterministic Chaos from Time Series. 1998 , 10, 827-835	
1583	Chaotic analysis of body sway.	7
1582	Lagrangian chaos and the fast kinematic dynamo problem. 1998 , 263-274	1
1581	Regularity patterns in heart rate variability signal: the approximate entropy approach.	1
1580	Forecasting of Chaotic Cloud Absorption Time Series for Meteorological and Plume Dispersion Modeling. 1998 , 37, 1430-1443	4
1579	Evolution in functional complexity of heart rate dynamics: a measure of cardiac allograft adaptability. 1998 , 275, R720-7	8
1578	Neuroanatomical correlates of the reduced EEG correlation dimension during slow wave sleep (SWS): a thalamic hypothesis. 1998 , 7, S127	
1577	Low doses of ethanol reduce evidence for nonlinear structure in brain activity. 1998 , 18, 7474-86	115
1576	Minimal model of arterial chaos generated by coupled intracellular and membrane Ca ²⁺ oscillators. 1999 , 277, H1119-44	42

1575	Is breathing in infants chaotic? Dimension estimates for respiratory patterns during quiet sleep. 1999 , 86, 359-76	66
1574	Testing for an attractor in the low-speed solar wind flow. 1999 ,	
1573	Detecting nonlinearities in time series of machining processes. 1999 ,	2
1572	Feedforward neural network based nonlinear dynamical system function reconstruction.	
1571	Short-term rhythms of the cardiorespiratory system and their significance in neonatology. 1999 , 16, 249-68	14
1570	Observation of Chaotic Attractor in Spatially Extended Systems: Coarse-Grained Dimension of Frozen Chaos. 1999 , 38, 3784-3792	
1569	Stair-Like Behavior in the Correlation Integral of Measured Data. 1999 , 60, 300-304	4
1568	Dimension spectra of fractal measures from uniform partitions and correlation integrals. 1999 , 32, 7989-7999	2
1567	Discrete chaos. 1999 , 32, 175-189	9
1566	Singapore Rainfall Behavior: Chaotic?. 1999 , 4, 38-48	82
1565	Integration of non-linear cellular mechanisms regulating microvascular perfusion. 1999 , 213, 369-83	5
1564	A GEOMETRIC PLATONIC APPROACH TO MULTIFRACTALITY AND TURBULENCE. 1999 , 07, 403-420	10
1563	FROM INDIVIDUALS TO POPULATION DENSITIES: SEARCHING FOR THE INTERMEDIATE SCALE OF NONTRIVIAL DETERMINISM. 1999 , 80, 2225-2236	95
1562	Complexity changes in instantaneous heart rate prior to ventricular fibrillation in patients with implantable defibrillator.	
1561	Chaotic Response of Panel Vibrations Forced by Turbulent Boundary Layer and Sound. 1999 , 37, 289-295	9
1560	Extracting messages masked by chaotic signals of time-delay systems. 1999 , 60, 320-3	92
1559	Long-term properties of time series generated by a perceptron with various transfer functions. 1999 , 59, 3368-3375	10
1558	Equalization of speech and audio signals using a nonlinear dynamical approach. 1999 , 7, 356-360	11

1557	Significance of time scales in nonlinear dynamical analysis of electroencephalogram signals. 1999 , 99, 181-94	13
1556	Estimating the Lyapunov spectrum of time delay feedback systems from scalar time series. 1999 , 60, 1563-6	8
1555	Global and local dimensions of vocal dynamics. 1999 , 105, 432-43	31
1554	Crossover from chaotic to self-organized critical dynamics in jerky flow of single crystals. 1999 , 60, 5455-62	105
1553	The use of non-linear analysis for differentiating the biomagnetic activity in ovarian lesions. 1999 , 19, 280-5	
1552	Chaos in neural networks with a nonmonotonic transfer function. 1999 , 60, 2186-92	9
1551	Multifractal dimension of chaotic attractors in a driven semiconductor superlattice. 1999 , 60, 5694-5697	17
1550	Characterizing nonlinearity in ventricular fibrillation.	3
1549	SCALING LAWS OF SEISMIC EVENTS IN A MODEL WITH FRACTAL GEOMETRY. 1999 , 07, 341-351	
1548	The instability of void fraction waves in vertical gas-liquid two-phase flow. 1999 , 4, 181-186	3
1547	Reconstructing cardiovascular dynamics. 1999 , 7, 161-172	15
1546	Recovering strange attractors from noisy interspike intervals of neuronal firings. 1999 , 258, 253-262	7
1545	Nonlinear stiffness, Lyapunov exponents, and attractor dimension. 1999 , 264, 298-302	28
1544	The use of generalized information dimension in measuring fractal dimension of time series. 1999 , 271, 427-447	22
1543	Diagnosing chaos by a fuzzy classifier. 1999 , 108, 1-10	3
1542	Statistical evaluation of clusters derived by nonlinear mapping of EEG spatial patterns. 1999 , 90, 87-95	10
1541	On the detection of determinism in a time series. <i>Physica D: Nonlinear Phenomena</i> , 1999 , 132, 100-110	3.3 24
1540	Parallel computation of the correlation dimension from a time series. 1999 , 25, 639-666	6

1539	Rhythms and complexity of respiration during sleep in pre-term infants. 1999 , 19, 458-66	17
1538	Scaling properties of the spatio-temporal distribution of earthquakes: a multifractal approach applied to a Californian catalogue. 1999 , 136, 99-108	31
1537	Stochastic behaviour and scaling laws in geoelectrical signals measured in a seismic area of southern Italy. 1999 , 139, 889-894	14
1536	Local Lyapunov exponents of the quasi-geostrophic ocean dynamics. 1999 , 104, 217-257	20
1535	Solids dynamics from experimental trajectory time-series of a single particle motion in gas-spouted beds. 1999 , 54, 2545-2554	23
1534	Spatial Fractal Evolutions and Hierarchies for Microearthquakes in Central Greece. 1999 , 154, 73-99	9
1533	Source characterisation of low frequency events at Stromboli and Vulcano Islands (Isole Eolie Italy). 1999 , 3, 393-408	14
1532	Psychophysiology, Cortical Arousal and Dynamical Complexity (DCX). 1999 , 3, 211-233	3
1531	Estimation of Correlation Dimension to Evaluate Cognitive Performance in Schizophrenic Patients Using a New Computer Technique. 1999 , 3, 49-63	2
1530	Seismicity Variations in Depth and Time in the Vrancea (Romania) Subcrustal Region. 1999 , 19, 165-177	3
1529	Low-dimensional dynamics in sensory biology 2: facial cold receptors of the rat. 1999 , 7, 17-32	61
1528	Detecting Stochastic Behaviour and Scaling Laws in Time Series of Geomagnetic Daily Means. 1999 , 156, 487-501	4
1527	Temporal and spatial complexity measures for electroencephalogram based brain-computer interfacing. 1999 , 37, 93-8	58
1526	Application of correlation dimension and pointwise dimension for non-linear topographical analysis of focal onset seizures. 1999 , 37, 208-17	10
1525	Linear and non-linear analysis of the surface electrocardiogram during human ventricular fibrillation shows evidence of order in the underlying mechanism. 1999 , 37, 354-8	11
1524	Investigation of the dynamics underlying periodic complexes in the EEG. 1999 , 80, 57-69	14
1523	Non-linear analysis of epileptic seizures. I. Correlation-dimension measurements for absence epilepsy and near-periodic signals. 1999 , 80, 247-58	6
1522	Automatic estimation of the correlation dimension for the analysis of electrocardiograms. 1999 , 81, 279-90	7

1521	Correlation dimension estimation: can this nonlinear description contribute to the characterization of blood pressure control in rats?. 1999 , 46, 535-47	11
1520	Detecting ventricular tachycardia and fibrillation by complexity measure. 1999 , 46, 548-55	223
1519	Forecasting chaotic cardiovascular time series with an adaptive slope multilayer perceptron neural network. 1999 , 46, 1441-53	21
1518	A multifractal wavelet model with application to network traffic. 1999 , 45, 992-1018	327
1517	Nonlinear analysis of time series generated by schizophrenic patients. 1999 , 18, 84-90	16
1516	Estimating complexity from EEG background activity of epileptic patients. 1999 , 18, 73-9	57
1515	Nonlinear deterministic forecasting of daily dollar exchange rates. 1999 , 15, 421-430	39
1514	Human brain alpha rhythm: nonlinear oscillation or filtered noise?. 1999 , 818, 556-60	35
1513	Reduced signal complexity of intracellular recordings: a precursor for epileptiform activity?. 1999 , 836, 156-63	18
1512	Analysis and simulation of scale-dependent fractal surfaces with application to seafloor morphology. 1999 , 25, 979-1007	30
1511	Radar clutter attractor: implications for physics, signal processing and control. 1999 , 146, 177	11
1510	Employing chaos tools and methods in magnetic levitation. 1999 , 146, 15-20	4
1509	AN EXPERIMENTAL STUDY OF THE IMPULSE RESPONSE OF A VIBRO-IMPACTING CANTILEVER BEAM. 1999 , 228, 243-264	29
1508	.	0
1507	The chaos theory for differentiating fetal biomagnetic brain activity in normal and pre-eclamptic pregnancies. 1999 , 19, 365-9	1
1506	Independence of complexity and of predictability detect nonlinear coupling of atrial activation processes during atrial fibrillation in humans.	
1505	Application of chaos theory to clutter classification.	
1504	Practical implementation of nonlinear time series methods: The TISEAN package. 1999 , 9, 413-435	1075

1503	Focal enhancement of chaotic strange attractor dimension in the left semantic (Wernicke) human cortex during reading without concomitant change in vigilance level. 1999 , 263, 177-80	19
1502	Nonlinear deterministic forecasting of daily PesetaDollar exchange rate. 1999 , 62, 175-180	18
1501	Chaos and spectral analyses of heart rate variability during head-up tilting in essential hypertension. 1999 , 76, 153-8	24
1500	Nonlinear analysis of biomagnetic signals recorded from the umbilical artery in normal and pre-eclamptic pregnancies. 1999 , 85, 159-65	3
1499	Towards a quantitative characterisation of functional states of the brain: from the non-linear methodology to the global linear description. 1999 , 34, 65-80	86
1498	Scalp distribution of the dimensional complexity of the EEG and the P3 ERP component in stroke patients. 1999 , 34, 53-63	10
1497	Tree-structured nonlinear signal modeling and prediction. 1999 , 47, 3027-3041	15
1496	Stochastic and deterministic methods in the analysis of the μ 80 record in the core V28-239. 1999 , 161, 271-289	6
1495	Testing procedures for non-stationarity and non-linearity in physiological signals. 1999 , 157, 303-20	36
1494	Nonlinear and multifractal approaches of the geomagnetic field. 1999 , 110, 157-190	14
1493	A systematic approach to noise reduction in chaotic hydrological time series. 1999 , 219, 103-135	63
1492	Characteristics of Gas-Fluidized Beds in Different Flow Regimes. 1999 , 38, 803-811	104
1491	Lagrangian particle transport in the Indian Ocean: A model study. 1999 , 104, 5211-5224	6
1490	Solar wind magnetic field control of magnetospheric response delay and expansion phase onset timing. 1999 , 104, 14583-14599	17
1489	Loading rate impact on fracturing pattern: Lessons from hydrocarbon recovery, Lacq Gas Field, France. 1999 , 104, 17941-17954	18
1488	Decrease of non-linear structure in the EEG of Alzheimer patients compared to healthy controls. 1999 , 110, 1159-67	100
1487	Non-linear analysis of intracranial human EEG in temporal lobe epilepsy. 1999 , 110, 1726-40	30
1486	On the fractal dimensions of point patterns. 1999 , 31, 643-663	1

1485	Transport in finite size systems: An exit time approach. 1999 , 9, 871-879	11
1484	Observation of structure in the Lorenz map. 1999 , 9, 206-207	
1483	Correlation integral estimated from a spike train.	
1482	A perturbation study of particle dynamics in a plane wake flow. 1999 , 384, 1-26	20
1481	Multifractal characterization of electromyogram signals.	2
1480	Investigation of Pre-stall Mode and Pip Inception in High-Speed Compressors Through the Use of Correlation Integral. 1999 , 121, 743-750	18
1479	Decreased RR interval complexity and loss of circadian rhythm in patients with congestive heart failure. 2000 , 64, 39-45	7
1478	Transport, Moisture, and Rain in a Simple Monsoonlike Flow. 2000 , 57, 1817-1838	4
1477	Coding of surveillance imagery for interpretability using local dimension estimates. 2000 , 4067, 516	
1476	Nonlinear analyses of roll motion of a flooded ship in waves. 2000 , 358, 1793-1812	15
1475	Irregularity and asynchrony in biologic network signals. 2000 , 321, 149-82	105
1474	Intra-day volatility components in FTSE-100 stock index futures. 2000 , 20, 425-444	6
1473	Nonlinear analysis and prediction of river flow time series. 2000 , 11, 463-477	11
1472	Bubble properties and pressure fluctuations in pressurized bubble columns. 2000 , 55, 411-419	58
1471	Low sampling rate induces high correlation dimension on electroencephalograms from healthy subjects. 2000 , 54, 407-12	6
1470	Relationship between EEG dimensional complexity and neuropsychological findings in Alzheimer's disease. 2000 , 54, 537-41	13
1469	Crossover in the dynamics of jerky flow in Al ₃ Mg polycrystals. 2000 , 80, 415-416	
1468	On a classification of dynamic systems subject to noise. 2000 , 11, 297-302	1

1467	Self-criticality and stochasticity of an S&P 500 index time series. 2000 , 11, 1047-1059		7
1466	Multi-fractal properties of the nonlinear electromagnetic response of irreversible type-II superconductors. 2000 , 266, 409-413		1
1465	A box-counting red herring. 2000 , 269, 303-308		13
1464	A fundamental bias in calculating dimensions from finite data sets. <i>Physica D: Nonlinear Phenomena</i> , 2000 , 141, 171-182	3-3	8
1463	Detecting switch dynamics in chaotic time-waveform using a parametrized family of nonlinear predictors. <i>Physica D: Nonlinear Phenomena</i> , 2000 , 135, 63-78	3-3	2
1462	Characterizing bifurcations and classes of motion in the transition to chaos through 3D-tori of a continuous experimental system in solid mechanics. <i>Physica D: Nonlinear Phenomena</i> , 2000 , 137, 70-93	3-3	30
1461	The cross-correlation integral: Its features and application to nonstationarity detection in time series. 2000 , 45, 667-671		3
1460	Feedforward networks in financial predictions: the future that modifies the present. 2000 , 17, 149-170		15
1459	Spatial distribution of neuronal complexity loss in neocortical lesional epilepsies. 2000 , 41, 811-7		29
1458	Nonlinear analysis of carotid artery echographic images. 2000 , 147, 327-332		3
1457	Decomposition of posterior alpha rhythm. 2000 , 47, 738-47		12
1456	Nonlinear dynamic characteristics analysis of synchronous 12-lead ECG signals. 2000 , 19, 110-5		19
1455	Dimensional constraints on limb movements. 2000 , 19, 175-201		18
1454	Learning from Examples with Information Theoretic Criteria. 2000 , 26, 61-77		81
1453	Clustering properties of Etna seismicity during 1981-1991. 2000 , 4, 191-196		3
1452	Nonlinear analysis of brain activity in magnetic influenced Parkinson patients. 2000 , 13, 135-44		26
1451	Inverse covariation of spectral density and correlation dimension in cyclic EEG dynamics of the human brain. 2000 , 82, 1-14		20
1450	Hybrid neural network approach in description and prediction of dynamic behavior of chaotic chemical reaction systems. 2000 , 17, 696-703		4

1449	Information domain analysis of cardiovascular variability signals: evaluation of regularity, synchronisation and co-ordination. 2000 , 38, 180-8	126
1448	Complexity measure and complexity rate information based detection of ventricular tachycardia and fibrillation. 2000 , 38, 553-7	29
1447	Distribution of correlation dimensions of synchronous 12-lead ECG signals. 2000 , 45, 1628-1632	6
1446	Application of nonlinear forecasting techniques for meteorological modeling. 2000 , 18, 1349-1359	10
1445	Topographic analysis of dimension estimates of EEG and filtered rhythms in epileptic patients with complex partial seizures. 2000 , 83, 391-7	29
1444	Nonlinear analysis of continuous ECG during sleep I. Reconstruction. 2000 , 82, 477-83	29
1443	Nonlinear analysis of continuous ECG during sleep II. Dynamical measures. 2000 , 82, 485-91	27
1442	Approximate entropy in cardiology. 2000 , 11, 139-150	19
1441	Deterministic chaos in two state-variable friction sliders and the effect of elastic interactions. 2000 , 5-26	14
1440	Study on the Characteristics of the Rolling Motion of Small Boats in Irregular Seas by Forecasting. 2000 , 102, 115-126	1
1439	Intraindividual Specificity and Stability of Human EEG: Comparing a Linear vs a Nonlinear Approach. 2000 , 39, 78-82	22
1438	LOCAL BOX-COUNTING TO DETERMINE FRACTAL DIMENSION OF HIGH-ORDER CHAOS. 2000 , 11, 1519-1526	2
1437	Evidence for periodicity and nonlinearity in a high-resolution fossil record of long-term evolution. 2000 , 28, 867	27
1436	On the estimation of poles in intensity functions. 2000 , 87, 251-263	3
1435	Fractal correlation properties of R-R interval dynamics and mortality in patients with depressed left ventricular function after an acute myocardial infarction. 2000 , 101, 47-53	526
1434	Chaotic properties of rhythmic forearm movement.	2
1433	Dimensional complexity of the hippocampal EEG.	
1432	Robust chaos generation by a perceptron. 2000 , 51, 230-236	11

1431 Elektrische Signale der Harnblase unter Neurostimulation und Anticholinergika: Echtes EMG oder Chaos?1 - Electrical Signals of the Urinary Bladder under Neurostimulation and Anticholinergics: Real EMG or Chaos? -. **2000**, 31, 376-381

1430 Experimental determination of attractor dimension of EB turbulence. **2000**, 7, 4492-4498

5

1429 Quantification of depth of anesthesia by nonlinear time series analysis of brain electrical activity. **2000**, 62, 4898-903

58

1428 Deterministic nonlinearity in ventricular fibrillation. **2000**, 10, 268-277

40

1427 Pathological tremors: Deterministic chaos or nonlinear stochastic oscillators?. **2000**, 10, 278-288

98

1426 Estimation of the entropy of the solar wind flow. **2000**, 62, 6496-504

34

1425 Chaos or noise: difficulties of a distinction. **2000**, 62, 427-37

86

1424 Adaptive box-assisted algorithm for correlation-dimension estimation. **2000**, 62, 7872-81

6

1423 Linear and nonlinear time series analysis of the black hole candidate cygnus X-1. **2000**, 61, 1342-52

24

1422 Control and diagnostic uses of feedback. **2000**, 7, 1759-1766

11

1421 Chaotic response of a short journal bearing. **2000**, 214, 387-400

5

1420 Control of Shock Loading from a Jet in a Flexible Structure's Presence. **2000**, 38, 972-977

8

1419 Nonlinear dynamic tools for characterizing abdominal electromyographic signals before and during labour. **2000**, 22, 243-270

4

1418 The dimensional complexity of the EEG during cognitive tasks reflects the impaired information processing in schizophrenic patients. **2000**, 36, 237-46

22

1417 Fractal geometry applications in description and analysis of patch patterns and patch dynamics. **2000**, 132, 33-50

137

1416 Brain dynamics in theta and alpha frequency bands and working memory performance in humans. **2000**, 286, 115-8

77

1415 An estimation of the first positive Lyapunov exponent of the EEG in patients with schizophrenia. **2000**, 98, 177-89

49

1414 Nonlinear measures of heart rate time series: influence of posture and controlled breathing. **2000**, 83, 148-58

34

1413	Analysis of the time-scaling behaviour in the sequence of the aftershocks of the Bovec (Slovenia) April 12, 1998 earthquake. 2000 , 120, 315-326	18
1412	Noise reduction and prediction of hydrometeorological time series: dynamical systems approach vs. stochastic approach. 2000 , 228, 242-264	82
1411	Chaos theory in hydrology: important issues and interpretations. 2000 , 227, 1-20	207
1410	Efficient implementation of the gaussian kernel algorithm in estimating invariants and noise level from noisy time series data. 2000 , 61, 3750-6	55
1409	PREY PREFERENCE BY A TOP PREDATOR AND THE STABILITY OF LINKED FOOD CHAINS. 2000 , 81, 8-14	154
1408	Threshold nonlinearities in unemployment rates: further evidence for the UK and G3 economies. 2000 , 32, 705-715	21
1407	Chaotic characteristic in human hand movement.	3
1406	.	4
1405	Nonlinear analysis of human ECG during sinus rhythm and arrhythmia.	1
1404	Time series analysis of monthly beef cattle prices with nonlinear autoregressive models. 2000 , 32, 265-275	4
1403	Largest lyapunov-exponent estimation and selective prediction by means of simplex forecast algorithms. 2000 , 62, 6505-15	9
1402	CHAOS ANALYSIS OF BUBBLE FORMATION TRANSITION PHENOMENA ON A MULTI-HOLE SIEVE PLATE. 2000 , 177, 49-64	2
1401	On the frequency and amplitude spectrum and the fluctuations at the output of a communication receiver. 2000 , 47, 1173-82	6
1400	Intermittency transitions to strange nonchaotic attractors in a quasiperiodically driven duffing oscillator. 2000 , 61, 3641-51	51
1399	Transition and Chaos in Two-Dimensional Flow past a Square Cylinder. 2000 , 126, 523-532	55
1398	Nonlinear analysis and forecasting of a brackish Karstic spring. 2000 , 36, 875-884	56
1397	Comparison of human ictal, interictal and normal non-linear component analyses. 2000 , 111, 1282-92	26
1396	Nonlinear time series analysis of normal and pathological human walking. 2000 , 10, 848-863	406

1395	Nonlinearities in the black market zloty-dollar exchange rate: some further evidence. 2001 , 11, 209-220	3
1394	Scaling of fracture systems in geological media. 2001 , 39, 347-383	794
1393	Non-linear EEG analysis in children with epilepsy and electrical status epilepticus during slow-wave sleep (ESES). 2001 , 112, 2274-80	24
1392	Dynamical Systems and Biological Regulations. 2001 , 105-149	3
1391	A Guidebook for Integrated Ecological Assessments. 2001 ,	14
1390	Nonlinear analysis of arterial oscillated flow in experimental stenosis and microsurgical anastomosis. 2001 , 99, 53-60	5
1389	Fractal probability measures of learning. 2001 , 24, 395-402	1
1388	The two behaviours of Mt. Etna Volcano before and after a large intrusive episode: Evidences from b value and fractal dimension of seismicity. 2001 , 28, 2257-2260	6
1387	Differentiating between colored random noise and deterministic chaos with the root mean squared deviation. 2001 , 106, 21277-21288	7
1386	A chaotic approach to rainfall disaggregation. 2001 , 37, 61-72	84
1385	Decreased chaos and increased nonlinearity of heart rate time series in patients with panic disorder. 2001 , 88, 99-108	60
1384	Nonlinear parameters estimation from sequential short time data series. 2001 , 90, 158-66	3
1383	An examination of nonlinear dependence in exchange rates, using recent methods from chaos theory. 2001 , 12, 139-151	24
1382	Identifying space-time clustering properties of the 1983-1997 Irpinia-Basilicata (Southern Italy) seismicity. 2001 , 330, 93-102	49
1381	Some premonitory phenomena of the 1995 Hyogo-Ken Nanbu (Kobe) earthquake: seismicity, b-value and fractal dimension. 2001 , 338, 297-314	64
1380	Pathological analysis of myocardial cell under ventricular tachycardia and fibrillation based on symbolic dynamics.	
1379	Robust chaos in a model of the electroencephalogram: Implications for brain dynamics. 2001 , 11, 474-478	52
1378	AN ALTERNATIVE TO THE BDS TEST: INTEGRATION ACROSS THE CORRELATION INTEGRAL. 2001 , 20, 337-351	19

1377	Lagrangian chaos and Eulerian chaos in shear flow dynamics. 2001 , 11, 816-832	12
1376	A relaxation system adapting to user's condition-identification of relationship between massage intensity and heart rate variability.	5
1375	Evidence of chaos in the rainfall-runoff process. 2001 , 46, 131-145	63
1374	Random walks, random sequences, and nonlinear dynamics in human optokinetic nystagmus. 2001 , 91, 1750-9	5
1373	Inhomogeneity and Instability of Plastic Flow in Cu-Based Alloys. 104-130	
1372	Rainfall and runoff forecasting with SSABVM approach. 2001 , 3, 141-152	142
1371	Nonlinear dynamics of heart rate variability in cocaine-exposed neonates during sleep. 2001 , 280, H2920-8	23
1370	Rainfall dynamics at different temporal scales: A chaotic perspective. 2001 , 5, 645-652	63
1369	Nonlinear dynamic analysis of the EEG in patients with Alzheimer's disease and vascular dementia. 2001 , 18, 58-67	103
1368	Noise reduction methods and the Grassberger-Procaccia algorithm. A simulation study. 2001 , 8, 71-75	
1367	Observations on the application of the correlation dimension and correlation integral to the prediction of seizures. 2001 , 18, 269-74	42
1366	Using statistical distances to detect changes in the normal behavior of ECG-Holter signals. 2001 ,	
1365	Effect of Total Sleep Deprivation on the Dimensional Complexity of the Waking EEG. 2001 ,	
1364	Predicting Combustion Pressure of Automobile Engine based on Chaos Theory. 2001 , 13, 506-513	
1363	The predictable time scale of landslides. 2001 , 59, 307-312	29
1362	Generalized dimension of the intersection between EEGs. 2001 , 85, 313-8	4
1361	Non-linear coupling of atrial activation processes during atrial fibrillation in humans. 2001 , 85, 195-201	16
1360	Neural net classification of REM sleep based on spectral measures as compared to nonlinear measures. 2001 , 85, 335-41	7

- 1359 A new inverse method and application to ocean data. **2001**, 44, 490-497
- 1358 A method of model validation for chaotic chemical reaction systems based on neural network. **2001**, 18, 623-629 5
- 1357 A new method to detect nonlinearity in a time-series: synthesizing surrogate data using a Kolmogorov-Smirnov test, hidden Markov model. *Physica D: Nonlinear Phenomena*, **2001**, 155, 51-68 3-3 9
- 1356 Dynamical analysis and map modeling of a thermionic diode plasma experiment. *Physica D: Nonlinear Phenomena*, **2001**, 156, 169-178 3-3 5
- 1355 Testing for nonlinearity in high-dimensional time series from continuous dynamics. *Physica D: Nonlinear Phenomena*, **2001**, 158, 32-44 3-3 9
- 1354 Testing for chaos in the solar wind and Alfvénic fluctuations. **2001**, 28, 775-780 6
- 1353 The Kolmogorov entropy of the Alfvénic fluctuations in the solar wind. **2001**, 28, 781-785 3
- 1352 Detecting nonlinearity of action surface EMG signal. **2001**, 290, 297-303 46
- 1351 Linear and nonlinear dependence in Turkish equity returns and its consequences for financial risk management. **2001**, 134, 481-492 7
- 1350 Lyapunov exponent and entropy of the solar wind flow. **2001**, 49, 1211-1218 16
- 1349 Time series model based on global structure of complete genome. **2001**, 12, 1827-1834 22
- 1348 Two tools for network traffic analysis. **2001**, 36, 169-179 4
- 1347 Qualitative chaos analysis for ventricular tachycardia and fibrillation based on symbolic complexity. **2001**, 23, 523-8 14
- 1346 THE INFLUENCE OF INITIAL FORCING ON NON-LINEAR CONTROL. **2001**, 239, 873-883 3
- 1345 Is a chaotic multi-fractal approach for rainfall possible?. **2001**, 15, 943-955 44
- 1344 Effects of Chaotic Temperature Fluctuations on the Heat Transfer Coefficient in Liquid-Liquid-Solid Fluidized Beds. **2001**, 24, 829-834 6
- 1343 DARWIN: An evolutionary program for nonlinear modeling of chaotic time series. **2001**, 136, 334-349 48
- 1342 Characterization of chaotic dynamics and dynamical invariants of sheared polymer solutions. **2001**, 56, 5635-5642 11

1341	Inferring liquid chaotic dynamics in bubble columns using CARPT. 2001 , 56, 6125-6134	31
1340	Generalized fractal dimensions: equivalences and basic properties. 2001 , 80, 977-1012	32
1339	Characteristics Of Chaotic Attractors In Atmospheric Boundary-Layer Turbulence. 2001 , 99, 335-345	17
1338	Approximate Entropy of Heart Rate Variability: Validation of Methods and Application in Heart Failure. 2001 , 1, 177-182	29
1337	Testing Time Series for Nonlinearity. 2001 , 11, 257-268	8
1336	A Resampling Algorithm for Chaotic Time Series. 2001 , 11, 241-255	2
1335	Application of Complexity Theory to an Information Processing Model in Science Education. 2001 , 5, 267-287	8
1334	Nonlinear Dynamics Estimation of EEG Signals Accompanying Self-Paced Goal-Directed Movements. 2001 , 5, 325-344	2
1333	Quadratic Binary Programming and Dynamical System Approach to Determine the Predictability of Epileptic Seizures. 2001 , 5, 9-26	130
1332	Chaos and Control in Dynamical Systems. 2001 , 12, 314-352	6
1331	Sum of positive Lyapunov exponents for Kuramoto-Bivashinsky equation. 2001 , 299, 405-411	3
1330	Crossover in the dynamics of Portevin-Chatelier effect from chaos to SOC. 2001 , 309-310, 316-319	4
1329	Fractal branching pattern in the pial vasculature in the cat. 2001 , 21, 741-53	33
1328	Nature of large-scale oscillations in oxygen concentration along the growth axis in Czochralski-grown silicon crystals. 2001 , 46, 1046-1048	
1327	CHAOTIC FORECASTING OF DISCHARGE TIME SERIES: A CASE STUDY1. 2001 , 37, 271-279	24
1326	Dimensional change in motor learning. 2001 , 20, 695-715	191
1325	Time of measurement influences the variability of tidal breathing parameters in healthy and sick infants. 2001 , 128, 187-94	6
1324	Analysis and characterization of photo-plethysmographic signal. 2001 , 48, 5-11	42

1323	Applying nonlinear noise reduction in the analysis of heart rate variability. 2001 , 20, 59-68	12
1322	The complexity of heart rate in its postnatal development. 2001 , 20, 88-91	6
1321	Non-linear coupling among cardiovascular variability signals in neuromediate syncope.	
1320	Dynamic analysis of the correlation integral of Heart Rate Variability in hypertrophic cardiomyopathy patients.	2
1319	Controlling Vibrational Chaos of a Curved Structure. 2001 , 39, 581-589	3
1318	Estimation and Application of Correlation Dimension of Experimental Time Series. 2001 , 7, 1035-1047	2
1317	Pathological analysis of myocardial cell under ventricular tachycardia and fibrillation based on symbolic dynamics. 2001 , 25, 112-7	
1316	The nonlinear dynamical analysis of the EEG in schizophrenia with temporal and spatial embedding dimension. 2001 , 25, 79-83	20
1315	Dynamic analysis of renal nerve activity responses to baroreceptor denervation in hypertensive rats. 2001 , 37, 1153-63	14
1314	Periodic orbits and topological entropy of delayed maps. 2001 , 63, 046203	3
1313	Modeling of chaotic vibrations in symmetric vocal folds. 2001 , 110, 2120-8	107
1312	Dimension of interaction dynamics. 2001 , 63, 036221	8
1311	Modeling substorm dynamics of the magnetosphere: from self-organization and self-organized criticality to nonequilibrium phase transitions. 2002 , 65, 016116	58
1310	Noise robust estimates of correlation dimension and K2 entropy. 2001 , 64, 016112	13
1309	Analyses of transient chaotic time series. 2001 , 64, 056207	30
1308	Invariant densities of delayed maps in the limit of large time delay. 2002 , 65, 016211	
1307	Surrogate for nonlinear time series analysis. 2001 , 64, 046128	56
1306	Interruption of torus doubling bifurcation and genesis of strange nonchaotic attractors in a quasiperiodically forced map: mechanisms and their characterizations. 2001 , 63, 026219	33

1305	Detectability of dynamical coupling from delay-coordinate embedding of scalar time series. 2002 , 66, 036217	4
1304	Influence of colored noise on chaotic systems. 2002 , 66, 035202	9
1303	.	
1302	Heart rate variability characterization using correlation dimension.	1
1301	Multiscale dynamics and robust critical scaling in a continuum current sheet model. 2002 , 65, 046113	21
1300	Turbulent microwave plasma thermodynamics for fundamental fluctuation modes. 2002 , 9, 3364-3368	8
1299	Analytical characterization of spontaneous firing in networks of developing rat cultured cortical neurons. 2002 , 65, 051924	39
1298	Reply to "Which chaos in the rainfall-runoff process?" 2002 , 47, 149-158	37
1297	Chaos in two-loop negative feedback systems. 2002 , 65, 051905	28
1296	Correlation-dimension and autocorrelation fluctuations in epileptic seizure dynamics. 2002 , 65, 031921	28
1295	Temporal aggregation, volatility components and volume in high frequency UK bond futures. 2002 , 8, 70-92	7
1294	Nonlinear analysis of EEG signals.	
1293	Stress fluctuations in sheared Stokesian suspensions. 2002 , 66, 021409	22
1292	Controlling chaos in the current-driven ion acoustic instability. 2002 , 9, 1570-1574	5
1291	An investigation of the presence of low-dimensional chaotic behaviour in the sediment transport phenomenon. 2002 , 47, 405-416	40
1290	Analysis of epileptic magnetoencephalogram dynamics through clustering algorithms.	
1289	COMPLEXITY INFORMATION BASED ANALYSIS OF PATHOLOGICAL ECG RHYTHM FOR VENTRICULAR TACHYCARDIA AND VENTRICULAR FIBRILLATION. 2002 , 12, 2293-2303	13
1288	CHUA'S PERIODIC TABLE. 2002 , 12, 1451-1464	2

1287	NONLINEAR VARIABILITY IN THE GEOMAGNETIC SECULAR VARIATION OF THE LAST 150 YEARS. 2002 , 10, 297-303	11
1286	DISTINGUISHING BETWEEN CHAOTIC AND STOCHASTIC SYSTEMS IN FINANCIAL TIME SERIES. 2002 , 13, 31-39	11
1285	Nonlinear measures of respiration: respiratory irregularity and increased chaos of respiration in patients with panic disorder. 2002 , 46, 111-20	72
1284	.	9
1283	Delay-induced chaos with multifractal attractor in a traffic flow model. 2002 , 57, 151-157	41
1282	Uniform partitions and a dimensions spectrum for lacunar measures. 2002 , 35, 1871-1884	1
1281	Chaotic behaviour identification of a rub-impact rotor using short-term predictability of measured data. 2002 , 216, 675-681	4
1280	Practical Inverse Approach for Forecasting Nonlinear Hydrological Time Series. 2002 , 7, 116-128	34
1279	Wavelet Based Multifractal Formalism: Applications to DNA Sequences, Satellite Images of the Cloud Structure, and Stock Market Data. 2002 , 26-102	48
1278	P-11: A New Image Quality Analysis Method by using the Fractal Dimension. 2002 , 33, 236	
1277	Nonlinear analysis of EEG after repetitive transcranial magnetic stimulation. 2002 , 19, 16-23	7
1276	Identification of a Parametrized Family of Chaotic Dynamics from Time Series. 2002 , 529-546	
1275	Sexual dimorphism in the complexity of cardiac pacemaker activity. 2002 , 283, H1695-702	14
1274	Analysis of cross-correlated chaotic streamflows. 2002 , 47, 523-527	5
1273	Dimensionality and the dynamics of human unstable equilibrium. 2002 , 34, 323-8	10
1272	On cardiac activity characterization from Implantable Cardioverter Defibrillator electrogram analysis: is far-field better?.	2
1271	Measurements of brain activity complexity for varying mental loads. 2002 , 65, 041917	15
1270	ADVANCED SPECTRAL METHODS FOR CLIMATIC TIME SERIES. 2002 , 40, 3-1	1401

1269	Diminished chaos of heart rate time series in patients with major depression. 2002 , 51, 733-44	115
1268	Major depression with ischemic heart disease: effects of paroxetine and nortriptyline on measures of nonlinearity and chaos of heart rate. 2002 , 46, 125-35	26
1267	Global and multiscale aspects of magnetospheric dynamics in local-linear filters. 2002 , 107, SMP 15-1	18
1266	Cataclastic slip band distribution in normal fault damage zones, Nubian sandstones, Suez rift. 2002 , 107, ETG 6-1-ETG 6-12	42
1265	Correlation dimensions of climate subsystems and their geographic variability. 2002 , 107, ACL 23-1-ACL 23-17	7
1264	Is correlation dimension a reliable indicator of low-dimensional chaos in short hydrological time series?. 2002 , 38, 3-1-3-8	38
1263	Neural Networks for Slope Movement Prediction. 2002 , 2, 153-173	60
1262	Variability and Determinism in Motor Behavior. 2002 , 34, 99-125	272
1261	Bifurcations and strange attractors in the Lorenz-84 climate model with seasonal forcing. 2002 , 15, 1205-1267	71
1260	Chaos detection and neuro-control in vector-control system.	
1259	Low-dimensional chaos in zero-Prandtl-number Bhard-Marangoni convection. 2002 , 65, 037203	27
1258	Deterministic chaos in breakdown. Does it occur and what can it tell us?. 2002 , 9, 752-762	11
1257	Covariation of spectral and nonlinear EEG measures with alpha biofeedback. 2002 , 112, 1047-57	15
1256	Application of nonlinear methods to heart rate variability signal analysis.	
1255	Dynamical non-linear analysis of heart rate variability in patients with aortic stenosis.	0
1254	Organization of oscillatory zoning in zircon: analysis, scaling, geochemistry, and model of a zircon from Kipawa, Quebec, Canada. 2002 , 66, 311-328	56
1253	Estimation of missing streamflow data using principles of chaos theory. 2002 , 255, 123-133	122
1252	Neighbourhood selection for local modelling and prediction of hydrological time series. 2002 , 258, 40-57	61

1251	Uncovering nonlinear dynamics-the case study of sea clutter. 2002 , 90, 860-881	109
1250	Estimating the intrinsic dimension of data with a fractal-based method. 2002 , 24, 1404-1407	135
1249	Nonlinear dynamic analysis of speech from pathological subjects. 2002 , 38, 294	37
1248	[Comparison of spectral analysis and non-linear analysis of EEG in patients with cognitive decline]. 2002 , 32, 297-302	2
1247	Changing complexity in human behavior and physiology through aging and disease. 2002 , 23, 1-11	353
1246	Heart rate time series: decreased chaos after intravenous lactate and increased non-linearity after isoproterenol in normal subjects. 2002 , 109, 81-92	18
1245	Spurious dynamics in somatosensory cortex. 2002 , 135, 75-82	
1244	Low-frequency variability in idealised GCM experiments with circumpolar and localised storm tracks. 2002 , 9, 37-49	5
1243	Nonlinear time series analysis of the fluctuations of the geomagnetic horizontal field. 2002 , 20, 175-183	5
1242	Determinism Analysis with Iso-Directional Recurrence Plots. 2002 , 122, 141-147	6
1241	Self-sustained oscillator as a model for explosion quakes at Stromboli Volcano. 2002 , 9, 31-35	9
1240	Multifractality and chaos in the solar wind. 2002 ,	6
1239	Fractals and Chaos for Modelling Multimedia ATM Traffic. 2002 , 31-50	
1238	Observation of Synchronization of Two Chaotic Oscillators in Plasma. 2002 , 71, 1809-1811	4
1237	Dimensional analysis of HRV in hypertrophic cardiomyopathy patients. 2002 , 21, 71-8	15
1236	Strange attractors in magmas: evidence from lava flows. 2002 , 65, 287-297	30
1235	Re-examining the nature of radar sea clutter. 2002 , 149, 105	13
1234	Damage mechanics preceding the September/October 1989 flank eruption at Mount Etna volcano inferred by seismic scaling exponents. 2002 , 113, 391-397	9

1233	Forecasting electricity consumption using nonlinear projection and self-organizing maps. 2002 , 48, 299-311	44
1232	The Influence of Tl4Bi2S5 Precipitates on the Crystalline TlBiS2 Properties. 2002 , 193, 3-11	1
1231	Nonlinear data analysis of experimental (EEG) data and comparison with theoretical (ANN) data. 2002 , 7, 30-40	6
1230	Decreased chaos of heart rate time series in children of patients with panic disorder. 2002 , 15, 159-67	24
1229	Nonlinear dynamics of EEG in Alzheimer's disease. 2002 , 56, 57-66	40
1228	Fractal dynamics of heart beat interval fluctuations in corticotropin-releasing factor receptor subtype 2 deficient mice. 2002 , 37, 311-45	11
1227	Viscoelasticity: Fractal parameters studied on mammalian erythrocytes under shear stress. 2002 , 42, 172-177	7
1226	Chaos in the unbalance response of a rigid rotor in cavitated squeeze-film dampers without centering springs. 2002 , 13, 929-945	9
1225	Should all the species of a food chain be counted to investigate the global dynamics?. 2002 , 13, 1099-1113	27
1224	Uncovering non-linear structure in human ECG recordings. 2002 , 13, 1755-1762	42
1223	Nonlinear analysis of network traffic. 2002 , 14, 595-606	14
1222	Using the pointwise dimension to filter time series. 2002 , 14, 1477-1485	2
1221	The hidden order behind jerky flow. 2002 , 50, 2813-2824	74
1220	Transition from periodic to non-periodic motion of a bunsen-type premixed flame tip with burner rotation. 2002 , 29, 1503-1509	24
1219	Boundary corrections in fractal analysis of galaxy surveys. 2002 , 330, 719-730	10
1218	Characterization and prediction of runoff dynamics: a nonlinear dynamical view. 2002 , 25, 179-190	100
1217	A method of embedding dimension estimation based on symplectic geometry. 2002 , 303, 179-189	53
1216	Characterization of time dynamical evolution of electroencephalographic epileptic records. 2002 , 312, 469-504	56

1215	Bivariate occupation measure dimension of multidimensional processes. 2002 , 99, 323-348	2
1214	TESTS OF NONLINEAR DYNAMICS IN U.S. HOMICIDE TIME SERIES, AND THEIR IMPLICATIONS*. 2002 , 40, 711-736	17
1213	Are commodity prices chaotic?. 2002 , 27, 123-137	35
1212	Dynamic characteristics of heat transfer coefficient in pressurized bubble columns with viscous liquid medium. 2002 , 41, 699-706	36
1211	A mechanism for randomness. 2002 , 295, 25-34	20
1210	Chaos-induced true randomness. 2002 , 316, 259-288	11
1209	Heart rate variability analysis using correlation dimension and detrended fluctuation analysis. 2002 , 23, 333-339	61
1208	Chaotic and power law states in the Portevin-Le Chatelier effect. 2002 , 60, 234-240	27
1207	Testing for Non-Linear Dependence in Univariate Time Series An Empirical Investigation of the Austrian Unemployment Rate. 2002 , 2, 191-209	4
1206	Complexity measures of event related potential surface Laplacian data calculated using the wavelet packet transform. 2002 , 14, 333-44	7
1205	Increased Chaos of Beat-to-Beat QT Interval Variability in Patients with Congestive Cardiac Failure: Decreased Chaos of QT with Clinical Improvement. 2002 , 2, 161-167	2
1204	Does the EEG during isoflurane/alfentanil anesthesia differ from linear random data?. 2002 , 17, 449-57	17
1203	Magnelic stimulation can modulate seizures in epileptic patients. 2003 , 16, 57-64	10
1202	Linear and nonlinear measures and seizure anticipation in temporal lobe epilepsy. 2003 , 15, 335-45	6
1201	Nonlinear coupling among heart rate, blood pressure, and respiration in patients susceptible to neuromediated syncope. 2003 , 31, 1097-105	4
1200	Quantifying Organization of Atmospheric Turbulent Eddy Motion Using Nonlinear Time Series Analysis. 2003 , 106, 507-525	35
1199	Space-time complexity in Hamiltonian dynamics. 2003 , 13, 519-32	27
1198	Differential diagnosis of prostate lesions with the use of biomagnetic measurements and non-linear analysis. 2003 , 31, 32-6	4

1197	Research on the multifractal characteristics of the temporal-spatial distribution of earthquakes over New Zealand area. 2003 , 16, 312-322		2
1196	Fractal Dimension of the 1999 Chamoli Earthquake from Aftershock Studies in Garhwal Himalaya. 2003 , 160, 2329-2341		5
1195	Effects of hydration and hyperventilation on cortical complexity. 2003 , 150, 341-55		6
1194	Experimental characterization of gas-liquid intermittent subregimes by phase density function measurements. 2003 , 34, 122-129		15
1193	Evaluating the performance of regional-scale meteorological models: effect of clouds simulation on temperature prediction. 2003 , 37, 1425-1433		5
1192	Exploring the nonlinear dynamics of the brain. 2003 , 97, 629-39		16
1191	Free top fluidized bed surface fluctuations as a source of hydrodynamic data. 2003 , 134, 133-144		16
1190	A study of prebiotic evolution. 2003 , 8, 45-67		4
1189	Nonlinear analysis of the development of sitting postural control. 2003 , 42, 368-77		159
1188	SYSTEM IDENTIFICATION THROUGH CHAOTIC INTERROGATION. 2003 , 17, 871-881		8
1187	ON THE USE OF ATTRACTOR DIMENSION AS A FEATURE IN STRUCTURAL HEALTH MONITORING. 2003 , 17, 1305-1320		45
1186	Dynamics of an electronic impact oscillator. 2003 , 318, 514-521		2
1185	Characterization of chaotic thermal convection of viscoelastic fluids. 2003 , 115, 79-113		22
1184	Data dimensionality estimation methods: a survey. 2003 , 36, 2945-2954		181
1183	Oscillations in the N_2O_4 reaction over Ir(1 1 0). Route to chaos. 2003 , 532-535, 96-102		5
1182	On the exploitation of chaos to build reduced-order models. 2003 , 192, 1785-1795		34
1181	From exactly solvable chaotic maps to stochastic dynamics. <i>Physica D: Nonlinear Phenomena</i> , 2003 , 178, 26-50	3-3	8
1180	Attractor reconstruction from interspike intervals is incomplete. <i>Physica D: Nonlinear Phenomena</i> , 2003 , 178, 149-172	3-3	9

1179	Neural maps in remote sensing image analysis. 2003 , 16, 389-403	111
1178	Statistical information approaches for the modelling of the epileptic brain. 2003 , 43, 79-108	6
1177	Water level dynamics in the Amazon floodplain. 2003 , 26, 725-732	7
1176	Bifurcations and chaos in a predator-prey model with delay and a laser-diode system with self-sustained pulsations. 2003 , 16, 59-77	38
1175	No evidence of chaos but some evidence of dependence in the US stock market. 2003 , 17, 449-454	25
1174	On complex behavior and exchange rate dynamics. 2003 , 18, 503-523	18
1173	Return times dynamics: role of the Poincaré-section in numerical analysis. 2003 , 18, 795-801	1
1172	Quantitative assessment strategies and issues for mood and other psychiatric serial study data. 2003 , 5, 287-94	14
1171	On characterization of turbulent stellar convection. 2003 , 343, 1002-1006	2
1170	Dependable information infrastructures as complex adaptive systems. 2003 , 6, 225-237	4
1169	Complexity changes of the EEG induced by alcohol cue exposure in alcoholics and social drinkers. 2003 , 27, 1955-61	11
1168	Classification of heart rate data using artificial neural network and fuzzy equivalence relation. 2003 , 36, 61-68	156
1167	The dimension of chaotic dynamical system in wavelet space and its application. 2003 , 316, 44-54	7
1166	On the bifurcations of a rigid rotor response in squeeze-film dampers. 2003 , 17, 433-459	31
1165	The algorithmic complexity of multichannel EEGs is sensitive to changes in behavior. 2003 , 40, 77-97	29
1164	Non-linear Predictability of UK Stock Market Returns*. 2003 , 65, 557-573	74
1163	Normal sleep. 2003 , 3-9	1
1162	Earthquake Science and Seismic Risk Reduction. 2003 ,	21

1161	Three-dimensional wavelet-based multifractal method: the need for revisiting the multifractal description of turbulence dissipation data. 2003 , 91, 194501	51
1160	Dimensional complexity and spectral properties of the human sleep EEG. Electroencephalograms. 2003 , 114, 199-209	86
1159	A neural complexity measure applied to MEG data in Alzheimer's disease. 2003 , 114, 1034-40	54
1158	Study of heart rate variability due to reflexological stimulation. 2003 , 4, 173-178	5
1157	Determining the input time delay /spl tau/ of a neural network for nonlinear time series prediction.	
1156	Asymmetric volatility dynamics in high frequency FTSE-100 stock index futures. 2003 , 13, 599-607	10
1155	Nonlinear Time-Series Analysis of Photoinduced Fluorescence Oscillation in a Water Dispersion of Colloidal Quantum Dots. 2003 , 107, 2645-2650	10
1154	Tempo and Loudness Analysis of a Continuous 28-Hour Performance of Erik Satie's Composition "Exercises" 2003 , 32, 243-258	
1153	Signal nonlinearity in fMRI: a comparison between BOLD and MION. 2003 , 22, 636-44	42
1152	Design of virtual libraries of umami-tasting molecules. 2003 , 43, 1248-58	14
1151	A Note on Resampling the Integration Across the Correlation Integral with Alternative Ranges. 2003 , 22, 337-349	3
1150	Effect of nortriptyline and paroxetine on measures of chaos of heart rate time series in patients with panic disorder. 2003 , 55, 507-13	18
1149	Non-linear, non-invasive method for seizure anticipation in focal epilepsy. 2003 , 186, 63-77	12
1148	Effects of tenotomy surgery on congenital nystagmus waveforms in adult patients. Part II. Dynamical systems analysis. 2003 , 43, 2357-62	13
1147	Nonlinear dynamics indicates aging affects variability during gait. 2003 , 18, 435-43	252
1146	Nonlinear measures of QT interval series: novel indices of cardiac repolarization lability: MEDqthr and LLEqthr. 2003 , 117, 177-90	21
1145	Evidence of chaos in slab avalanching. 2003 , 37, 243-253	9
1144	Hemispheric laterality and dimensional complexity in schizophrenia under sound and light stimulation. 2003 , 49, 1-15	19

1143	Nonlinear dynamic analysis in signal typing of pathological human voices. 2003 , 39, 1021	36
1142	Observation of chaos caused by flute instability excited in electron cyclotron resonance plasma. 2003 , 10, 650-654	12
1141	Neural networks for blind-source separation of Stromboli explosion quakes. 2003 , 14, 167-75	31
1140	A simple chaotic neuron model: stochastic behavior of neural networks. 2003 , 113, 607-19	1
1139	Nonlinear analysis of photo-plethysmographic signals obtained during rest and step-climbing exercises.	
1138	Blood pressure control and correlation dimension. 2003 ,	
1137	ON THE EVALUATION OF NOISE LEVELS FOR QUANTIZED DATA. 2003 , 14, 1363-1383	1
1136	Non-Linear Analysis Approach of Maternal Heart Rate Patterns in Normal and Pre-Eclamptic Pregnancies. 2003 , 5, 219-226	2
1135	Determinism in Financial Time Series. 2003 , 7,	10
1134	Recent Developments in Chaotic Time Series Analysis. 2003 , 13, 1383-1422	65
1133	How well can epileptic seizures be predicted? An evaluation of a nonlinear method. 2003 , 126, 2616-26	124
1132	Nonlinear dynamics of phonations in excised larynx experiments. 2003 , 114, 2198-205	86
1131	Signatures of deterministic chaos in dyslipidemic erythrocytes under shear stress. 2003 , 13, 87-93	10
1130	Indications of nonlinear structures in brain electrical activity. 2003 , 67, 046204	69
1129	Evidence for deterministic nonlinear dynamics in financial time series data.	
1128	Local dimension and finite time prediction in spatiotemporal chaotic systems. 2003 , 67, 066204	11
1127	Numerical analysis for a discontinuous rotation of the torus. 2003 , 13, 558-71	15
1126	Complete synchronization and generalized synchronization of one-way coupled time-delay systems. 2003 , 68, 036208	85

1125	Controlling system dimension: a class of real systems that obey the Kaplan-Yorke conjecture. 2003 , 100, 15299-303	10
1124	CLASSIFICATION OF BINARY SPATIAL TEXTURES USING STOCHASTIC GEOMETRY, NONLINEAR DETERMINISTIC ANALYSIS AND ARTIFICIAL NEURAL NETWORKS. 2003 , 17, 275-300	11
1123	Quantitative Determination of Abrupt Changes in Dynamical Systems: Illustration Via Identification of Seizure Termination in Generalized Tonic/Clonic Seizure EEG Data. 2003 , 13, 2641-2655	
1122	DYNAMICAL CORRELATIONS ON RECONSTRUCTED INVARIANT DENSITIES AND THEIR EFFECT ON CORRELATION DIMENSION ESTIMATION. 2003 , 13, 723-732	2
1121	A Speedy Algorithm for Estimating the Correlation Dimension. 2003 , 17, 4284-4289	1
1120	RECONSTRUCTING DIFFERENTIAL EQUATION FROM A TIME SERIES. 2003 , 13, 3307-3323	2
1119	DIGITAL SPEECH COMMUNICATION BY TRUNCATED CHAOTIC SYNCHRONIZATION. 2003 , 13, 691-701	1
1118	First Results of Modeling the Mobile Radio Channel using Theory of Dynamics. 2003 , 57,	0
1117	The chaotic characteristics of transistor noise at low frequency. 2003 ,	1
1116	Chaos, Continuous EEG, and Cognitive Mechanisms: a Future for Clinical Neurophysiology. 2003 , 43, 211-227	10
1115	The multifractal spectrum for the solar wind flow. 2003 ,	5
1114	Chaotic behavior by the air flow of the breath of human being.	0
1113	Detecting determinism and nonlinearity in river-flow time series. 2003 , 48, 763-780	24
1112	Predicting Oil and Gas Spot Prices Using Chaos Time Series Analysis and Fuzzy Neural Network Model.. 2003 ,	6
1111	. 2003 ,	
1110	DIAGNOSTIC CHECKING FOR THE ADEQUACY OF NONLINEAR TIME SERIES MODELS. 2003 , 19,	33
1109	A simple nonlinear deterministic process may generate the timing of rapid eye movements during human REM sleep.	1
1108	Application of nonlinearity measures to chemical sensor signals. 2003 ,	3

1107	Deterministic chaos in blood pressure signals during different physiological conditions. 2003 , 36, 323-328	1
1106	Task goals and change in dynamical degrees of freedom with motor learning. 2003 , 29, 379-87	76
1105	Modeling unipolar depression as a chaotic process. 2003 , 15, 426-34	17
1104	Measuring the Complexity of Currency Markets by Fractal Dimension Analysis. 2003 , 06, 553-563	15
1103	Performance of Satellite-Based Ocean Forecasting (SOFT) Systems: A Study in the Adriatic Sea. 2003 , 20, 717-729	17
1102	Oscillatory and chaotic thermocapillary convection in a half-zone liquid bridge. 2003 , 15, 408-416	83
1101	Calculating Fractal Dimension of Worn Bearing's Vibration Signals in Automotive Transmission. 2003 ,	
1100	Chaos and Complex System from the Viewpoint of Engineering. 2003 , 15, 607-616	
1099	Characterization of Strombolian events by using independent component analysis. 2004 , 11, 453-461	16
1098	Stability of terrestrial planets in the habitable zone of Gl 777'A, HD 72659, Gl 614, 47 Uma and HD 4208. 2004 , 426, 353-365	57
1097	Scaling Properties of Topographic Indices and Crop Yield: Multifractal and Joint Multifractal Approaches. 2004 , 96, 1082-1090	43
1096	A chaotic attractor model of cognitive multistability.	3
1095	Estimation of dynamical invariants without embedding by recurrence plots. 2004 , 14, 234-43	136
1094	Analysis of normal swallowing sounds using nonlinear dynamic metric tools. 2004 , 2004, 3812-5	3
1093	Experimental Analysis and Control of a Chaotic Pendubot. 2004 , 23, 891-901	12
1092	Quality assessment of hybrid nonlinear filters.	
1091	Long chaotic transients in complex networks. 2004 , 93, 244103	68
1090	A practical method to experimentally evaluate the Hausdorff dimension: an alternative phase-transition-based methodology. 2004 , 14, 1004-17	3

1089	Nonlinear dynamic analysis of voices before and after surgical excision of vocal polyps. 2004 , 115, 2270-7	57
1088	Correlation dimensions of EEG changes during mental tasks. 2004 , 2006, 616-9	2
1087	Detecting Nonlinearity of Sunspot Number. 2004 , 5,	1
1086	ANALOGICAL MODEL INFERRED FROM TIME DOMAIN ANALYSIS AND GENERATING ORGAN PIPES SELF SUSTAINED-TONE. 2004 , 18, 509-518	4
1085	FRACTAL PROPERTIES OF A NEOGENE FAULT SYSTEM IN NORTHWESTERN SICILY, ITALY. 2004 , 12, 41-48	1
1084	A NONLINEAR DIFFERENTIAL EQUATION OF FRACTIONAL ORDER WITH CHAOTIC PROPERTIES. 2004 , 14, 1291-1304	4
1083	Dimension estimation with the BDS-G statistic. 2004 , 36, 1219-1223	3
1082	Temporal scaling in river flow: can it be chaotic? / L'inhérence de l'échelle de l'écoulement fluvial peut-elle être chaotique?. 2004 , 49,	30
1081	Principal component cluster analysis of ECG time series based on Lyapunov exponent spectrum. 2004 , 49, 1980	
1080	The rheology of a dilute suspension of Brownian dipolar spheroids in a simple shear flow under the action of an external force. 2004 , 16, 433-444	8
1079	Effects and significance of premature beats on fractal correlation properties of R-R interval dynamics. 2004 , 9, 127-35	16
1078	Non-linear Predictability of Value and Growth Stocks and Economic Activity. 2004 , 31, 439-474	16
1077	Bursts of extensive air showers: chaos vs. stochasticity. 2004 , 20, 413-427	1
1076	Nonlinear projection with curvilinear distances: Isomap versus curvilinear distance analysis. 2004 , 57, 49-76	112
1075	Dimensional complexity of the EEG in patients with posttraumatic stress disorder. 2004 , 131, 79-89	33
1074	Limitations of nonlinear chaotic dynamics in predicting sea clutter returns. 2004 , 151, 105	11
1073	Dynamical resetting of the human brain at epileptic seizures: application of nonlinear dynamics and global optimization techniques. 2004 , 51, 493-506	101
1072	Assessment of chaotic parameters in nonstationary electrocardiograms by use of empirical mode decomposition. 2004 , 32, 1348-54	36

1071	Analysis of the Hodgkin-Huxley equations with noise: the effects of noise on chaotic neurodynamics. 2004 , 8, 190-196	2
1070	Principal component cluster analysis of ECG time series based on Lyapunov exponent spectrum. 2004 , 49, 1980-1985	1
1069	Analysis of wavelet-filtered tonic-clonic electroencephalogram recordings. 2004 , 42, 516-23	25
1068	Chaos in nucleate boiling—nonlinear analysis and modelling. 2004 , 47, 1515-1524	21
1067	Most probable dimension value and most flat interval methods for automatic estimation of dimension from time series. 2004 , 20, 779-790	10
1066	On the influence of noise in the evaluation of the electrical oscillations occurring in the Si/Si(p)/Si(n) device. 2004 , 21, 651-655	2
1065	Comparison of three nonlinear seizure prediction methods by means of the seizure prediction characteristic. <i>Physica D: Nonlinear Phenomena</i> , 2004 , 194, 357-368	3-3 196
1064	Observation on meta-stability of thulium nitrate crystal by using electric measurements. 2004 , 177, 2223-2230	3
1063	Positional entropy during pigeon homing I: application of Bayesian latent state modelling. 2004 , 227, 39-50	36
1062	Dynamical System Analysis and Forecasting of Deformation Produced by an Earthquake Fault. 2004 , 161, 2023-2051	10
1061	On the effective dimension and dynamic complexity of earthquake faults. 2004 , 19, 399-420	7
1060	Chaos theory in geophysics: past, present and future. 2004 , 19, 441-462	134
1059	Model based method for estimating an attractor dimension from uni/multivariate chaotic time series with application to Bremen climatic dynamics. 2004 , 19, 1131-1139	14
1058	Using free bed surface fluctuations in a 3-D fluidized bed for dynamic characterization. 2004 , 50, 3060-3067	12
1057	Linear and nonlinear measures of blood pressure variability: increased chaos of blood pressure time series in patients with panic disorder. 2004 , 19, 85-95	21
1056	Dominant processes concept in hydrology: moving forward. 2004 , 18, 2349-2353	81
1055	Studies of boiling chaos: a review. 2004 , 47, 1105-1128	78
1054	Atom—surface diffraction: a trajectory description. 2004 , 53, 199-330	87

1053	Evidence for chaotic dynamics in the Jovian magnetosphere. 2004 , 52, 513-541	4
1052	Effect of reflexological stimulation on heart rate variability. 2004 , 25, 40-45	13
1051	Multivariate recurrence plots. 2004 , 330, 214-223	113
1050	Complex dynamical behaviors of daily data series in stock exchange. 2004 , 333, 246-255	28
1049	Constructive methods of invariant manifolds for kinetic problems. 2004 , 396, 197-403	112
1048	Aperiodic flow-induced oscillations of collapsible tubes: a critical reappraisal. 2004 , 26, 201-14	3
1047	Measures of LLE of heart rate in different frequency bands: a possible measure of relative vagal and sympathetic activity. 2004 , 5, 441-462	8
1046	Spatial correlations and synchronization in coupled map lattices with long-range interactions. 2004 , 343, 201-218	16
1045	The period doubling route to chaos of a second order non-linear non-autonomous chaotic oscillator Part II. 2004 , 20, 849-854	6
1044	Chaotic and stochastic phenomena in systems with non-invertible non-linearities. 2004 , 21, 603-622	3
1043	Oscillations in the $\Xi/\text{Si}(p)/\text{Si}(n)$ device: embedding- and correlation dimensions. 2004 , 21, 741-747	
1042	Observation on nonlinear dynamical property of holmium nitrate crystal in low temperature region by measuring time series of ac conductivity. 2004 , 21, 1023-1029	7
1041	Detection of physiological singularities in respiratory dynamics analyzed by recurrence quantification analysis of tracheal sounds. 2004 , 22, 869-881	13
1040	Sur une variante de la méthode des boîtes pour la détermination numérique de la dimension fractale d'un sous-ensemble du plan. 2004 , 338, 899-904	1
1039	Stabilizing control and chaos phenomena of 2-link pneumatic manipulator with dead time.	
1038	Assessment of mean arterial blood pressure using spectral and chaotic analyses in different antihypertensive drug treatments.	
1037	A Characteristic Change in Fractal Dimension Prior to the 2003 Tokachi-oki Earthquake (M J = 8.0), Hokkaido, Northern Japan. 2004 , 56, 401-405	12
1036	Hydromechanical Behavior of Fractured Rocks. 2004 , 363-421	46

1035	Decreased nonlinear complexity and chaos during sleep in first episode schizophrenia: a preliminary report. 2004 , 71, 263-72	31
1034	Multifractal dimension and b value analysis of the 1998-1999 Quito swarm related to Guagua Pichincha volcano activity, Ecuador. 2004 , 109,	18
1033	Real-time forecasting at weekly timescales of the SST and SLA of the Ligurian Sea with a satellite-based ocean forecasting (SOFT) system. 2004 , 109,	18
1032	Nonlinear dynamics in flow through unsaturated fractured porous media: Status and perspectives. 2004 , 42,	17
1031	Correlation of seismotectonic variables and GPS strain measurements in western Turkey. 2004 , 109,	12
1030	Estimation of sleep cycle and quality based on nonlinear analysis of heart rate variability.	1
1029	What does measure the scaling exponent of the correlation sum in the case of human heart rate?. 2004 , 14, 138-44	7
1028	NONLINEAR DYNAMICAL SYSTEM IDENTIFICATION FROM UNCERTAIN AND INDIRECT MEASUREMENTS. 2004 , 14, 1905-1933	198
1027	The correlation dimension of returns with stochastic volatility. 2004 , 4, 45-54	7
1026	Heart rate analysis in normal subjects of various age groups. 2004 , 3, 24	113
1025	Nonlinear analysis of EEG signals at different mental states. 2004 , 3, 7	134
1024	Comprehensive analysis of cardiac health using heart rate signals. 2004 , 25, 1139-51	78
1023	The Theory of Chaotic Attractors. 2004 ,	7
1022	Deterministic nonlinear characteristics of in vivo blood flow velocity and arteriolar diameter fluctuations. 2004 , 49, 1789-802	11
1021	A method for estimating long-range power law correlations from the electroencephalogram. 2004 , 66, 79-89	19
1020	Temporal order of nonlinear dynamics in human brain. 2004 , 45, 79-95	27
1019	Synaptic transmission of chaotic spike trains between primary afferent fiber and spinal dorsal horn neuron in the rat. 2004 , 125, 1051-60	8
1018	Dynamical approach to the spatiotemporal aspects of the Portevin-Le Chatelier effect: chaos, turbulence, and band propagation. 2004 , 70, 026111	36

1017	Advances in quantitative electroencephalogram analysis methods. 2004 , 6, 453-95	177
1016	Heart rate variability in patients with major depression. 2004 , 45, 129-34	87
1015	The Chaotic Behavior of the Black Hole System GRS 1915+105. 2004 , 609, 313-316	32
1014	Spatio-temporal analysis of the cerebral spontaneous oscillation. 2004 , 5330, 29	1
1013	New approach for studies of time series of satellite observations of rainstorms: II. The mutual information dimensions. 2004 ,	
1012	Nonlinear analysis in cognition process. 2004 , 2006, 570-3	
1011	Double quantization forecasting method for filling missing data in the CATS time series.	2
1010	Gender Classification of Face Images: The Role of Global and Feature-Based Information. 2004 , 763-768	9
1009	Dynamic stability of gait cycles as a function of speed and system constraints. 2004 , 8, 241-54	48
1008	Nonlinear Dynamics of Axially Moving Systems. 2004 , 359	
1007	Correlation Dimension and Lyapunov Exponent Based Isolation of Plant-Wide Oscillations. 2004 , 37, 347-352	3
1006	Determination of Limit Cycles Using Both the Slope of Correlation Integral and Dominant Lyapunov Methods. 2004 , 145, 139-149	9
1005	Sleep Quality Estimation based on Chaos Analysis for Heart Rate Variability. 2005 , 125, 43-49	7
1004	GLOBAL AND FEATURE BASED GENDER CLASSIFICATION OF FACES: A COMPARISON OF HUMAN PERFORMANCE AND COMPUTATIONAL MODELS. 2005 ,	2
1003	Electroencephalogram monitoring during anesthesia with propofol and alfentanil: the impact of second order spectral analysis. 2005 , 100, 1365-1369	22
1002	Effect of Boundary Condition on Chaotic Behavior of Fluctuation Excited in Electron Cyclotron Resonance Plasma. 2005 , 74, 941-946	1
1001	Occurrence of Trajectory Chaos and It's Stabilizing Control Due to Dead Time of a Pneumatic Manipulator. 2005 , 48, 640-648	3
1000	On the dynamic properties of axially moving systems. 2005 , 281, 593-609	16

999	A comparison of correlation and Lyapunov dimensions. <i>Physica D: Nonlinear Phenomena</i> , 2005 , 200, 156-164	33	55
998	Theoretical time series analysis from electric field oscillations generated by rate equations of generation-recombination processes in n-type semiconductors. <i>Physica D: Nonlinear Phenomena</i> , 2005 , 208, 123-130	33	1
997	Nonlinear model for ECG RR interval variation using genetic programming approach. 2005 , 21, 1117-1123		11
996	Non-linear analyses of flow boiling in microchannels. 2005 , 48, 4667-4683		25
995	A method for the correlation dimension estimation for on-line condition monitoring of large rotating machinery. 2005 , 19, 939-954		34
994	Performance of a seizure warning algorithm based on the dynamics of intracranial EEG. 2005 , 64, 93-113		75
993	Drop properties and pressure fluctuations in liquid-liquid-solid fluidized-bed reactors. 2005 , 44, 1296-1305		2
992	Transition to chaos in a fluid motion system. 2005 , 26, 1195-1202		12
991	On the analysis of large-scale genomic structures. 2005 , 42, 145-65		1
990	On the spatial scaling of seismicity rate. 2005 , 162, 899-909		16
989	Correlation dimension analysis of heart rate variability in patients with dilated cardiomyopathy. 2005 , 78, 133-40		53
988	Non-linear analysis of EEG signals at various sleep stages. 2005 , 80, 37-45		268
987	Magnification control in winner relaxing neural gas. 2005 , 63, 125-137		8
986	Mechanisms for microparticle dispersion in a jet in crossflow. 2005 , 51, 28-43		17
985	Isolating the root cause of propagated oscillations in process plants. 2005 , 19, 247-265		18
984	Self-organized Fractal Seismicity and b Value of Aftershocks of the 2001 Bhuj Earthquake in Kutch (India). 2005 , 162, 53-72		34
983	Self-organized Fractal Seismicity of Reservoir Triggered Earthquakes in the Koyna-Warna Seismic Zone, Western India. 2005 , 162, 73-90		27
982	Feasibility of real-time calculation of correlation integral derived statistics applied to EEG time series. <i>Physica D: Nonlinear Phenomena</i> , 2005 , 203, 198-208	33	15

981	Strange attractors in plagioclase oscillatory zoning: petrological implications. 2005 , 149, 482-497	47
980	Human mediotemporal EEG characteristics during propofol anesthesia. 2005 , 92, 92-100	15
979	The problem of processing time series: Extending possibilities of the local approximation method using singular spectrum analysis. 2005 , 142, 128-137	3
978	Nonlinear Dynamical Characterization and Prediction of Ambient Nitrogen Dioxide Concentration. 2005 , 166, 121-138	6
977	Dynamical heterogeneity of suprachiasmatic nucleus neurons based on regularity and determinism. 2005 , 19, 87-98	4
976	Detection and predictive modeling of chaos in finite hydrological time series. 2005 , 12, 41-53	35
975	Local polynomial method for ensemble forecast of time series. 2005 , 12, 397-406	38
974	Nonlinear vibrations and chaos in gongs and cymbals. 2005 , 26, 403-409	33
973	Solute transport in a heterogeneous aquifer: a search for nonlinear deterministic dynamics. 2005 , 12, 211-218	11
972	Analysis of linear and nonlinear dimensionality reduction methods for gender classification of face images. 2005 , 36, 931-942	17
971	Wavelet-based denoising for improving nonlinear dynamic analysis of pathological voices. 2005 , 41, 930	0
970	Complex Behavior in an Integrate-and-Fire Neuron Model Based on Small World Networks. 2005 , 44, 311-315	5
969	Statistics of inter-time of Strombolian explosion-quakes. 2005 , 72, 493-498	17
968	Phase Space Prediction of Chaotic Time Series with Nu-Support Vector Machine Regression. 2005 , 43, 102-106	
967	. 2005 ,	1
966	An Automated Acquisition Setup for the Analysis of Chaotic Systems. 2005 ,	6
965	Adaptive human interface for refreshing sleep based on biological rhythm. 2005 ,	1
964	Dynamic Cournot game behavior of electric power providers in retail electricity market.	

963	The BDS test and delay time. 2005 , 12, 109-113	1
962	Detection and characterization of changes of the correlation structure in multivariate time series. 2005 , 71, 046116	75
961	Example of a physical system with a hyperbolic attractor of the Smale-Williams type. 2005 , 95, 144101	59
960	Nonlinear dynamics of homeothermic temperature control in skunk cabbage, <i>Symplocarpus foetidus</i> . 2005 , 72, 051909	10
959	Fractal dimension and unscreened angles measured for radial viscous fingering. 2005 , 72, 011406	77
958	Synchronized pseudorandom systems and their application to speech communication. 2005 , 71, 016217	7
957	Discriminating additive from dynamical noise for chaotic time series. 2005 , 72, 036219	9
956	Generalized dimensions for fluctuations in the solar wind. 2005 , 72, 017202	19
955	Identification of the psychophysiological state of the man.	
954	Correlation dimension and integral do not predict epileptic seizures. 2005 , 15, 33106	41
953	. 2005 ,	1
952	Complexity Study in Multi-lead Paced ECG Signals. 2005 , 2005, 4642-5	1
951	Ambulatory wireless Internet electrocardiography: new concepts & maths.	
950	Cluster-weighted modeling: estimation of the Lyapunov spectrum in driven systems. 2005 , 71, 016224	5
949	Analysis of discharge current on polycarbonate using chaos theory.	
948	Effects of data windows on the methods of surrogate data. 2005 , 71, 056708	5
947	PCCHUA A LABORATORY SETUP FOR REAL-TIME CONTROL AND SYNCHRONIZATION OF CHAOTIC OSCILLATIONS. 2005 , 15, 2349-2360	7
946	COLOR MAPS OF THE KAPLAN-ORKE DIMENSION IN OPTICALLY DRIVEN LASERS: MAXIMIZING THE DIMENSION AND ALMOST-HAMILTONIAN CHAOS. 2005 , 15, 3011-3021	7

945	The role of global and feature based information in gender classification of faces: a comparison of human performance and computational models. 2005 , 15, 121-8	11
944	Selecting parameters for phase space reconstruction of the electrocorticogram (ECoG). 2005 , 4, 169-82	1
943	Identification of anaerobic threshold during dynamic exercise in healthy men using kolmogorov-sinai entropy. 2005 ,	3
942	Comfortable environment for human by IRT based adaptive and intelligent interface.	
941	Electricity price forecasting model based on chaos theory. 2005 ,	3
940	Estimating Local Intrinsic Dimension with k-Nearest Neighbor Graphs. 2005 ,	18
939	Neural network model for time series prediction by reinforcement learning.	2
938	Nonlinear Characteristics of Daily Temperature Data and Nonlinear Modeling.	0
937	Predictability in heartbeat data.	
936	The Curse of Dimensionality in Data Mining and Time Series Prediction. 2005 , 758-770	199
935	Changes in neural complexity of the EEG during a visual oddball task. 2005 , 116, 151-9	7
934	Analysis of regularity in the EEG background activity of Alzheimer's disease patients with Approximate Entropy. 2005 , 116, 1826-34	166
933	Nonlinear dynamical analysis of EEG and MEG: review of an emerging field. 2005 , 116, 2266-301	963
932	Analysis and characterization of the hyperchaos generated by a semiconductor laser subject to a delayed feedback loop. 2005 , 41, 541-548	166
931	Multiscale entropy analysis of biological signals. 2005 , 71, 021906	1376
930	Adaptive human interface for refreshing sleep based on biological rhythm.	1
929	Using the correlation dimension for estimation of the complexity of visual evoked potential signal.	
928	.	

927	Analysis and classification of swallowing sounds using reconstructed phase space features.	11
926	Estimating global stress environment by observing local behavior in distributed multiagent systems.	1
925	Fractal analysis of discharge current on polybutylene terephthalate.	
924	Characterization of chaotic dynamics from return times.	1
923	Correlation dimension estimation of hydrological series and data size requirement: myth and reality/Estimation de la dimension de corrlation de sfies hydrologiques et taille ncessaire du jeu de donnès: mythe et râlité. 2005 , 50,	41
922	Multifractal structure in nonrepresentational art. 2005 , 72, 046101	23
921	Study of heart rate variability signals at sitting and lying postures. 2005 , 9, 134-141	54
920	Perturbation and nonlinear dynamic analyses of voices from patients with unilateral laryngeal paralysis. 2005 , 19, 519-28	70
919	Fractal properties of seismicity in regions affected by large, shallow earthquakes in western Japan: Implications for fault formation processes based on a binary fractal fracture network model. 2005 , 110,	14
918	Predicting wave heights in the north Indian Ocean using genetic algorithm. 2005 , 32,	23
917	Cardiac Health Diagnosis using Wavelet Transformation and Phase Space Plots. 2005 , 2005, 3868-71	
916	A nonlinear dynamic approach for evaluating postural control: new directions for the management of sport-related cerebral concussion. 2005 , 35, 935-50	174
915	Comparison of nonlinear dynamic methods and perturbation methods for voice analysis. 2005 , 118, 2551-60	52
914	Evidence of non-linearities in the bilateral real exchange rates of the British pound. 2005 , 19, 63-90	
913	Direct transition to high-dimensional chaos through a global bifurcation. 2005 , 72, 176-182	20
912	Characterization of Near-Blowout Combustion Oscillations in a Lean, Partially Premixed Gas Turbine Combustor. 2006 ,	2
911	Filtered Dynamics and Fractal Dimensions for Noisy Speech Recognition. 2006 , 13, 711-714	13
910	A Relational Dimension Based Fractal Interpolation Algorithm for Chaotic Time Serials Modeling. 2006 ,	

909	Dimensional complexity of neuromagnetic activity reduced during finger movement of greater difficulty. 2006 , 117, 2473-81	
908	Systems theory for geospace plasma dynamics. 2006 , 44,	37
907	Visualization of the short term maximum Lyapunov exponent topography in the epileptic brain. 2006 , 2006, 4257-60	6
906	Statistical models of reconstructed phase spaces for signal classification. 2006 , 54, 2178-2186	44
905	Enhancing the Security of Delayed Differential Chaotic Systems With Programmable Feedback. 2006 , 53, 722-726	16
904	Analysis of Chaotic Semiconductor Laser Diodes. 2006 ,	
903	Detrended fluctuation analysis for fractals and multifractals in higher dimensions. 2006 , 74, 061104	161
902	Chaos in voice, from modeling to measurement. 2006 , 20, 2-17	109
901	Testing for nonlinearity of streamflow processes at different timescales. 2006 , 322, 247-268	65
900	Chaotic time series prediction with a global model: Artificial neural network. 2006 , 323, 92-105	117
899	Identification of chaos in rainfall temporal disaggregation: Application of the correlation dimension method to 5-minute point rainfall series measured with a tipping bucket and an optical raingage. 2006 , 328, 56-64	11
898	Changes in phase space during learning an unstable balance. 2006 , 402, 17-21	9
897	A correlation integral approach to the study of 26 January 2001 Bhuj earthquake, Gujarat, India. 2006 , 41, 385-399	17
896	Major depressive episodes and random mood. 2006 , 63, 509-18	20
895	Monitoring in Anesthesia. 2006 ,	1
894	Nonlinearities in Exchange-Rate Dynamics: Chaos?. 2006 ,	2
893	Normal-Mode Analysis of a Baroclinic Wave-Mean Oscillation. 2006 , 63, 2795-2812	8
892	. 2006 ,	18

891	Heart Rate Variability (HRV): Nonlinear HRV. 2006,	1
890	Chaotic dynamics of the nuclear magnetization on account of resonator effects. 2006, 32, 915-920	2
889	Approximate entropy and mutual information analysis of the electroencephalogram in Alzheimer's disease patients. 2006, 2	3
888	Chaos Analysis of Discharge Current on Phenolic Resin under Reduced Pressure. 2006,	5
887	Modelization of mechanical vibrations in organ pipes by independent component analysis. 2006,	
886	Determining the structure of a radial basis function network for prediction of nonlinear hydrological time series. 2006, 51, 21-44	28
885	Chaotic Properties Analysis and Nonlinear Prediction of Ionospheric Total Electron Content over 120°E Magnetism Equator. 2006, 49, 1130-1138	
884	The Nonlinear Behavior of the Black Hole System GRS 1915+105. 2006, 643, 1114-1129	30
883	Effects of autonomic blockade on non-linear cardiovascular variability indices in rats. 2006, 33, 431-9	61
882	Approximate entropy as a measure of irregularity for psychiatric serial metrics. 2006, 8, 430-40	106
881	Ecological implications of a latitudinal gradient in inter-annual climatic variability: a test using fractal and chaos theories. 2006, 19, 382-392	3
880	Assessing serial irregularity and its implications for health. 2001, 954, 245-67	284
879	Detection of cardiac pathologies using dimensional characteristics of RR intervals in electrocardiograms. 2006, 51, 115-119	3
878	Fractal and noisy CBV dynamics in humans: influence of age and gender. 2006, 26, 891-8	23
877	Nonlinear analysis of blood cell flux fluctuations in the rat brain cortex during stepwise hypotension challenge. 2006, 26, 1189-97	18
876	Seizure anticipation, states of consciousness and marginal predictability in temporal lobe epilepsy. 2006, 68, 9-18	4
875	Researches on chaos phenomenon of EEG dynamics model. 2006, 183, 30-41	23
874	Language time series analysis. 2006, 370, 808-816	25

873	Unfolding preprocessing for meaningful time series clustering. 2006 , 19, 877-88		15
872	Testing for multifractality of the slow solar wind. 2006 , 37, 461-466		12
871	The non-linear behavior of the black hole system GRS 1915+105. 2006 , 38, 2897-2900		0
870	Inverse statistics and multifractality of exit distances in 3D fully developed turbulence. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 214, 55-62	3-3	28
869	A non-subjective approach to the GP algorithm for analysing noisy time series. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 215, 137-145	3-3	48
868	Dynamic reconstruction of chaotic systems from inter-spike intervals using least squares support vector machines. <i>Physica D: Nonlinear Phenomena</i> , 2006 , 216, 282-293	3-3	21
867	Nonlinear analysis of traffic time series at different temporal scales. 2006 , 357, 314-318		31
866	Dynamic instability and chaos of empty and fluid-filled circular cylindrical shells under periodic axial loads. 2006 , 293, 227-252		54
865	Testing and mapping non-stationarity in animal behavioral processes: a case study on an individual female bean weevil. 2006 , 238, 805-16		12
864	Cardiac state diagnosis using adaptive neuro-fuzzy technique. 2006 , 28, 809-15		46
863	Changes in nonlinear characteristics of heart rate variability under functional load on the cardiovascular system in healthy subjects and coronary heart disease patients. 2006 , 32, 251-257		
862	A strange attractor of the Smale-Williams type in the chaotic dynamics of a physical system. 2006 , 102, 355-364		42
861	On the nonlinear interaction between global teleconnection patterns. 2006 , 132, 447-465		6
860	Modeling Multifractality of the Solar Wind. 2006 , 122, 329-337		20
859	On the sensitive dependence on initial conditions of the dynamics of networks of spiking neurons. 2006 , 20, 321-48		11
858	Spatial pattern of arsenic contamination in shallow wells of Bangladesh: regional geology and nonlinear dynamics. 2006 , 20, 66-76		28
857	Visualization of fuzzy clusters by fuzzy Sammon mapping projection: application to the analysis of phase space trajectories. 2006 , 11, 479-488		9
856	Catastrophe theory enables moves to be detected towards and away from self-organization: the example of epileptic seizure onset. 2006 , 94, 459-68		3

855	Linear and nonlinear causality between signals: methods, examples and neurophysiological applications. 2006 , 95, 349-69	171
854	Time series analysis in chaotic diode resonator circuit. 2006 , 27, 569-573	52
853	Analysis of EEG background activity in Alzheimer's disease patients with Lempel-Ziv complexity and central tendency measure. 2006 , 28, 315-22	184
852	Complexity analysis of the magnetoencephalogram background activity in Alzheimer's disease patients. 2006 , 28, 851-9	58
851	Analysis of implantable cardioverter defibrillator signals for non conventional cardiac electrical activity characterization. 2006 , 44, 45-53	4
850	Heart rate variability: a review. 2006 , 44, 1031-51	1439
849	Autonomic information flow improves prognostic impact of task force HRV monitoring. 2006 , 81, 246-55	25
848	Information-theoretic model selection for optimal prediction of stochastic dynamical systems from data. 2018 , 97, 032206	5
847	Prediction for network traffic of radial basis function neural network model based on improved particle swarm optimization algorithm. 2018 , 29, 1143-1152	12
846	Linear SVM-based recognition of elementary juggling movements using correlation dimension of Euler Angles of a single arm. 2018 , 29, 1005-1013	5
845	Wavelet-fractal diagnosis model and its criterion for concrete dam crack status. 2018 , 40, 1846-1853	7
844	Recurrence network measures for hypothesis testing using surrogate data: Application to black hole light curves. 2018 , 54, 84-99	9
843	Nonlinear dynamic analysis of D ₅ signals for type I edge localized modes characterization on JET with a carbon wall. 2018 , 60, 025010	2
842	Fractal characteristics and acoustic emission of anisotropic shale in Brazilian tests. 2018 , 71, 298-308	58
841	Dynamic characterization of a single phase square natural circulation loop. 2018 , 128, 1126-1138	10
840	Dynamic Characterization of a Ducted Inverse Diffusion Flame Using Recurrence Analysis. 2018 , 190, 32-56	17
839	Spectra, energy, and fractal characteristics of blast waves. 2018 , 15, 81-92	11
838	Extreme learning machines with heterogeneous data types. 2018 , 277, 38-52	5

837	Statistical moments of Gaussian kernel correlation sum and weighted least square estimator of correlation dimension and noise level. 2018 , 193, 55-69	4
836	Characterizing spatial heterogeneity based on the b-value and fractal analyses of the 2015 Nepal earthquake sequence. 2018 , 722, 154-162	5
835	Automatic estimation of attractor invariants. 2018 , 91, 1681-1696	4
834	A Nonlinear Dynamical Approach to the Interpretation of Microblogging Network Complexity. 2018 , 390-400	2
833	Statistical Features of the 2010 Beni-Ilmane, Algeria, Aftershock Sequence. 2018 , 175, 773-792	2
832	A Fault Diagnosis Method for Satellite Flywheel Bearings Based on 3D Correlation Dimension Clustering Technology. 2018 , 6, 78483-78492	10
831	Nonlinear Dynamics of the Fluctuations of Extrinsic Photoconductivity in Cadmium Sulfoselenide Crystals Doped with Potassium. 2018 , 73, 111-115	1
830	Improving Entropy Estimates of Complex Network Topology for the Characterization of Coupling in Dynamical Systems. 2018 , 20,	5
829	Experimental Study on Sensitivity to Temperature Stress of the Permeability of Weakly Cemented Sandstone. 2018 , 113, 012120	2
828	Range Entropy: A Bridge between Signal Complexity and Self-Similarity. 2018 , 20,	14
827	Hypothesis Testing for Nonlinear Phenomena in the Geosciences Using Synthetic, Surrogate Data. 2018 , 6, 41	5
826	Complexity of a Microblogging Social Network in the Framework of Modern Nonlinear Science. 2018 , 2018, 1-11	3
825	Lower limb joint angle variability and dimensionality are different in stairmill climbing and treadmill walking. 2018 , 5, 180996	1
824	Electrical Tree Growth Under Very Low Frequency (VLF) Voltage Excitation. 2018 ,	1
823	Time series analysis of Earth's Northern Hemisphere temperature reconstructions using non-linear tools and statistical tests. 2018 , 12, 220	
822	Initial Condition and Behavior Patterns in Learning Dynamics: Study of Complexity and Sustainability from Time Series. 2018 ,	
821	Scale Effect on the Anisotropy of Acoustic Emission in Coal. 2018 , 2018, 1-11	5
820	Einblicke in die Gründe für nicht-normalverteilte Immobilienrenditen: eine explorative Untersuchung deutscher Wohnimmobilienportfolios. 2018 , 4, 49-79	

819	Learning and Sustainability: an approach from the interaction. 2018 , 1043, 012052	
818	Performance evolution of a fractal dimension estimated by an escape time algorithm. 2018 , 38, 109-124	0
817	Chaotic Analysis of Hippocampal and Cortical Sleep EEG during Various Vigilance States. 2018 , 2018, 3064-3067	1
816	Nonlinear dynamics of U.S. equity factor portfolios. 2018 , 28, 113109	3
815	Adaptive Prediction Algorithm Based on ARMA and RBFNN Models for Radar Performance. 2018 , 1069, 012096	
814	Seismic and acoustic manifestation of the process of shear event nucleation in different frequency bands. 2018 ,	
813	The complexity-entropy causality plane based on multiscale power spectrum entropy of financial time series. 2018 , 28, 123120	2
812	Identification of suitable embedding dimensions and lags for time series generated by chaotic, finite-dimensional systems. 2018 , 98,	9
811	Assessment of Driver's Drowsiness Based on Fractal Dimensional Analysis of Sitting and Back Pressure Measurements. 2018 , 9, 2362	2
810	Fractal dimensions and trajectory crossings in correlated random walks. 2018 , 98,	1
809	Gravitational thermal flows of liquid metals in 3D variable cross-section containers: Transition from low-dimensional to high-dimensional chaos. 2018 , 28, 093114	5
808	Nonlinear Granger Causality between Health Care Expenditure and Economic Growth in the OECD and Major Developing Countries. 2018 , 15,	19
807	Day-to-Day Reliability of Nonlinear Methods to Assess Walking Dynamics. 2018 , 140,	5
806	Technical note: An improved GrassbergerProcaccia algorithm for analysis of climate system complexity. 2018 , 22, 5069-5079	7
805	Multiple solutions, oscillons, and strange attractors in thermoviscoelastic Marangoni convection. 2018 , 30, 104104	8
804	Patchy Particle Model of the Hierarchical Self-Assembly of EConjugated Optoelectronic Peptides. 2018 , 122, 10219-10236	11
803	Low-frequency fluctuations of a mid-infrared quantum cascade laser operating at cryogenic temperatures. 2018 , 15, 116201	10
802	Permutation Entropy Based on Non-Uniform Embedding. 2018 , 20,	10

801	Chaotic behavior and fractals discovered in the time evolution of discharge current at atmospheric pressure. 2018 , 25, 092303	3
800	Dimensionality and integrals of motion of the Trappist-1 planetary system. 2018 , 477, 4874-4878	1
799	Chaotic Dynamics in Brain Activity: An Approach Based on Cross-Prediction Errors for Nonstationary Signals. 2018 , 10, 1840003	
798	Local and global recurrences in dynamic gas-solid flows. 2018 , 106, 125-137	13
797	Coarse-Grained Molecular Simulation and Nonlinear Manifold Learning of Archipelago Asphaltene Aggregation and Folding. 2018 , 122, 6627-6647	11
796	Bifurcation diagrams in estimated parameter space using a pruned extreme learning machine. 2018 , 98, 013301	5
795	Generalized Dimensions. 2018 , 61-67	1
794	Symbolic recurrence plots to analyze dynamical systems. 2018 , 28, 063112	16
793	A multiplayer online car racing virtual-reality game based on internet of brains. 2018 , 89, 30-40	14
792	Atmospheric chaoticity and complexity from radio refractivity derived from Akure station. 2018 , 62, 1690-17014	
791	A Review on the Nonlinear Dynamical System Analysis of Electrocardiogram Signal. 2018 , 2018, 6920420	34
790	A Doubly Stochastic Change Point Detection Algorithm for Noisy Biological Signals. 2017 , 8, 1112	11
789	Detection of Low-Flying Target under the Sea Clutter Background Based on Volterra Filter. 2018 , 2018, 1-12	6
788	Can Chaotic Analysis of Electroencephalogram Aid the Diagnosis of Encephalopathy?. 2018 , 2018, 8192820	6
787	Analysis, Synchronization and Circuit Design of a 4D Hyperchaotic Hyperjerk System. 2018 , 6, 14	10
786	Dynamic Systems Approach for Laminar Ducted Flames. 2018 , 97-123	
785	Use of Time Series to Generate Intervals of Similar Behavior of the Parameters of an Object with Different Methods of Prediction. 2018 , 61, 98-103	
784	Is human atrial fibrillation stochastic or deterministic?-Insights from missing ordinal patterns and causal entropy-complexity plane analysis. 2018 , 28, 063130	9

783	Temporal dynamics of streamflow: application of complex networks. 2018 , 5,	16
782	Analysis and time-delay synchronisation of chaotic satellite systems. 2018 , 91, 1	8
781	Nonlinear Dynamic Analysis of Air Traffic Flow at Different Temporal Scales: Nonlinear Analysis Approach versus Complex Networks Approach. 2018 ,	0
780	Very short-term maximum Lyapunov exponent forecasting tool for distributed photovoltaic output. 2018 , 229, 1128-1139	14
779	Translation and rotation invariant method of Renyi dimension estimation. 2018 , 114, 536-541	1
778	Measuring chaos and synchronization of chaotic satellite systems using sliding mode control. 2018 , 39, 1597-1609	12
777	Surrogate data for hypothesis testing of physical systems. 2018 , 748, 1-60	156
776	Detection of traffic incidents using nonlinear time series analysis. 2018 , 28, 063108	6
775	Hierarchical block model for earthquakes. 2018 , 97, 062130	4
774	R Markdown for Assignments. 2019 , 333-342	
773	Nonlinear Chaotic Dynamics of Quantum Systems. 2019 , 78, 149-170	10
772	Calculation of the invariant characteristics of forced oscillations of a beam with longitudinal compression and its phenomenological model. 2019 , 1163, 012066	
771	WITHDRAWN: Multiscale analysis in time series. 2019 , 251-274	
770	The intrinsic attractor manifold and population dynamics of a canonical cognitive circuit across waking and sleep. 2019 , 22, 1512-1520	70
769	Heuristic Framework for Multiscale Testing of the Multi-Manifold Hypothesis. 2019 , 47-80	2
768	A Nonlinear Dynamical Systems-Based Modeling Approach for Stochastic Simulation of Streamflow and Understanding Predictability. 2019 , 55, 6268-6284	5
767	Lifespan Changes in Network Structure and Network Topology Dynamics During Rest and Auditory Oddball Performance. 2019 , 11, 138	2
766	Multifractal analysis of diurnal temperature range over Southern Spain using validated datasets. 2019 , 29, 063105	5

765	Dynamics of postural control during bilateral stance - Effect of support area, visual input and age. 2019 , 67, 102462	7
764	Analysis of financial time series through forbidden patterns. 2019 , 534, 122038	4
763	Quantifying information loss on chaotic attractors through recurrence networks. 2019 , 383, 125854	1
762	Intrinsic dimensionality of human behavioral activity data. 2019 , 14, e0218966	1
761	Modelling the formation of porous organic gels - how structural properties depend on growth conditions.. 2019 , 9, 20065-20074	3
760	Multifractal analysis of financial markets: a review. 2019 , 82, 125901	86
759	Quartic polynomial approximation for fluctuations of separation of trajectories in chaos and correlation dimension. 2019 , 2019, 083211	1
758	Revealing neural correlates of behavior without behavioral measurements. 2019 , 10, 4745	47
757	Causality detection in cortical seizure dynamics using cross-dynamical delay differential analysis. 2019 , 29, 101103	4
756	Nonlinear dynamics of self-organising bubble departures from twin nozzles. 2019 , 54, 2119-2130	6
755	Network anomaly detection based on logistic regression of nonlinear chaotic invariants. 2019 , 148, 102460	10
754	Multifractal analysis to study break points in temperature data sets. 2019 , 29, 093116	3
753	Estimation of Intrinsic Dimension using Supervised Parameter Selection Method. 2019 , 1302, 022019	
752	Research of improved fast independent component analysis algorithm in rectal diagnosis signal preprocessing. 2019 , 42, 636-644	2
751	Good and bad predictions: Assessing and improving the replication of chaotic attractors by means of reservoir computing. 2019 , 29, 103143	23
750	Cumulative Tsallis entropy based on power spectrum of financial time series. 2019 , 29, 103118	2
749	Recurrence quantitative analysis for porosity characterization of CFRP with complex void morphology. 2019 , 229, 111383	2
748	Spatiotemporal Variations of Extreme Precipitation and Study on Chaotic Characteristics in the Xijiang River Basin, China. 2019 , 11, 2106	0

747	A New Chaotic Oscillator Properties, Analog Implementation, and Secure Communication Application. 2019 , 7, 7510-7521	25
746	On-off intermittency and hard turbulence in the flow of fluid in the magnetic field. 2019 , 29, 083119	3
745	Posits as an alternative to floats for weather and climate models. 2019 ,	12
744	Chaos in time delay systems, an educational review. 2019 , 824, 1-40	22
743	Research on Health Evaluation Method of Tank Diesel Engine. 2019 , 2019, 1-21	
742	LYAPUNOV EXPONENTS OF THE KURAMOTO-BIVASHINSKY PDE. 2019 , 61, 270-285	7
741	Reconstructing dynamical networks via feature ranking. 2019 , 29, 093107	11
740	Dependence of connectivity on geometric distance in brain networks. 2019 , 9, 13412	8
739	Distinguishing Stock Indices and Detecting Economic Crises Based on Weighted Symbolic Permutation Entropy. 2019 , 18, 1950026	3
738	Pattern formation on time-dependent domains. 2019 , 880, 136-179	3
737	Multifractals and Chronic Diseases of the Central Nervous System. 2019 ,	2
736	Multifractal Correlation Study Between Posture and Autonomic Deregulation Using ECG and Blood Pressure Data. 2019 , 149-172	
735	Relaxed triangle inequality for the orbital similarity criterion by Southworth and Hawkins and its variants. 2019 , 131, 1	2
734	Dynamics and long-time behavior of gas-solid flows on recurrent-transient backgrounds. 2019 , 364, 562-577	12
733	Lacunarity exponents. 2019 , 52, 115101	1
732	Effects of system parameters on the chaotic properties of 52100 steel sliding against 5120 steel. 2019 , 420-421, 68-78	1
731	Nonlinear models for a compressor stall phenomenon using a single pressure measurement. 2019 , 1, 1	0
730	Analyzing the Dynamics of Lung Cancer Imaging Data Using Refined Fuzzy Entropy Methods by Extracting Different Features. 2019 , 7, 64704-64721	13

729	Layered chaos in mean-field and quantum many-body dynamics. 2019 , 99,	1
728	Multiscale fractional-order approximate entropy analysis of financial time series based on the cumulative distribution matrix. 2019 , 97, 1067-1085	2
727	Space-time recurrences for functional connectivity evaluation and feature extraction in motor imagery brain-computer interfaces. 2019 , 57, 1709-1725	20
726	Dynamics of postural control in individuals with ankle instability: Effect of visual input and orthotic use. 2019 , 110, 120-126	2
725	Short waves in Hungary, 1923 and 1946: Persistence, chaos, and (lack of) control. 2019 , 163, 532-550	2
724	Evaluating Complexity of Fetal MEG Signals: A Comparison of Different Metrics and Their Applicability. 2019 , 13, 23	5
723	A hybrid measure for the discrimination of the acoustic signals: Feature matrix (FMx). 2019 , 152, 88-100	3
722	On the chaos analysis and prediction of aircraft accidents based on multi-timescales. 2019 , 534, 120828	4
721	Characteristic Parameters and Evolution of the Running-in Attractor. 2019 , 29, 1950044	6
720	Electrochemical noise (EN) technique: review of recent practical applications to corrosion electrochemistry research. 2019 , 33, 1453-1496	23
719	Calculating Embedding Dimension with Confidence Estimates. 2019 , 211-223	
718	Determining the number of integrals of motion by an adapted correlation dimension method. 2019 , 99, 032222	2
717	. 2019 , 7, 54638-54657	5
716	Modeling active fault systems and seismic events by using a Fiber Bundle model. Example case: Northridge aftershock sequence. 2019 ,	
715	Implementing Correlation Dimension: K-Means Clustering via Correlation Dimension. 2019 , 359-366	
714	Distinguishing Different Emotions Evoked by Music via Electroencephalographic Signals. 2019 , 2019, 3191903	8
713	On the shortest distance between orbits and the longest common substring problem. 2019 , 344, 311-339	6
712	Weighted recurrence networks for the analysis of time-series data. 2019 , 475, 20180256	4

711	Applying two fractal methods to characterise the local and global deviations from scale invariance of built patterns throughout mainland France. 2019 , 21, 271-293	7
710	Fractal Dimension Analysis of Urban Morphology Based on Spatial Correlation Functions. 2019 , 21-53	3
709	Emergence of Complexity in Urban Morphology. 2019 , 291-314	2
708	A seismic quiescence before the 2017 Mw 7.3 Sarpol Zahab (Iran) earthquake: Detection and analysis by improved RTL method. 2019 , 290, 10-19	5
707	Complexity of streamflows in the west-flowing rivers of India. 2019 , 33, 837-853	3
706	Local angles and dimension estimation from data on manifolds. 2019 , 173, 229-247	4
705	Magnitude of completeness, b-value, and spatial correlation dimension of earthquakes in the South Baikal Basin, Baikal Rift System. 2019 , 759, 44-57	11
704	Seeking a Chaotic Order in the Cryptocurrency Market. 2019 , 24, 36	4
703	Nonlinear dynamics model for social popularity prediction based on multivariate chaotic time series. 2019 , 525, 1259-1275	4
702	A manifold learning approach to dimensionality reduction for modeling data. 2019 , 491, 16-29	14
701	Automated estimation of materials parameter from X-ray absorption and electron energy-loss spectra with similarity measures. 2019 , 5,	22
700	Line sampling of fracture swarms and corridors. 2019 , 122, 27-37	16
699	DOES CHAOS MATTER IN FINANCIAL TIME SERIES ANALYSIS?. 2019 , 9, 18-24	4
698	Estimating the effective dimension of large biological datasets using Fisher separability analysis. 2019 ,	10
697	Machine Learning Approaches for Predicting the 10.7 cm Radio Flux from Solar Magnetogram Data. 2019 ,	0
696	Fractal Patterns in Long-term Behavior of GPS and GLONASS Orbits. 2019 ,	
695	. 2019 ,	3
694	Strange nonchaos in self-excited singing flames. 2019 , 128, 54005	11

693	CORONARY HEART DISEASE DETECTION USING NONLINEAR FEATURES AND ONLINE SEQUENTIAL EXTREME LEARNING MACHINE. 2019 , 31, 1950046	1
692	An Intrusion Detection System Based on a Quantitative Model of Interaction Mode Between Ports. 2019 , 7, 161725-161740	5
691	Randomness of Geophysical Log Data [Fractal Approach. 2019 ,	
690	Intrinsic dimension estimation for locally undersampled data. 2019 , 9, 17133	14
689	. 2019 , 7, 174793-174821	8
688	Autonomic control is a source of dynamical chaos in the cardiovascular system. 2019 , 29, 121101	16
687	Generation of surrogate event sequences via joint distribution of successive inter-event intervals. 2019 , 29, 121102	8
686	Fractal Analysis of Earthquake Sequences in the Ibero-Maghrebian Region. 2019 , 176, 1397-1416	6
685	The complexity-entropy causality plane based on multivariate multiscale distribution entropy of traffic time series. 2019 , 95, 617-629	8
684	Automated EEG Analysis for Neonatal Intensive Care. 2019 , 240-257	
683	A Review on Nonlinear Methods Using Electroencephalographic Recordings for Emotion Recognition. 2019 , 1-1	32
682	Saltzman's Model. Part I: Complete Characterization of Solution Properties. 2019 , 76, 1587-1608	1
681	Spatial rainfall variability in peninsular India: a nonlinear dynamic approach. 2019 , 33, 465-480	2
680	Stochastic relaxation of nonlinear soil moisture ocean salinity (SMOS) soil moisture retrieval errors with maximal Lyapunov exponent optimization. 2019 , 95, 653-667	5
679	Multifractal analysis application to the study of fat and its infiltration in Iberian ham: Influence of racial and feeding factors and type of slicing. 2019 , 148, 55-63	1
678	Symbolic correlation integral. 2019 , 38, 533-556	9
677	An improved LLE-based cluster security approach for nonlinear system fault diagnosis. 2019 , 22, 5663-5673	1
676	Period-doubling route to chaos, bistability and antimononicity in a jerk circuit with quintic nonlinearity. 2019 , 7, 1-22	10

675	A new multi-attractor model for the human posture stability system aimed to follow self-organized dynamics. 2020 , 40, 162-172	2
674	Financial time series analysis using the relation between MPE and MWPE. 2020 , 537, 122716	5
673	Multiscale entropy analysis to quantify the dynamics of motor movement signals with fist or feet movement using topographic maps. 2020 , 28, 259-273	1
672	Wavelet denoising and nonlinear analysis of solids concentration signal in circulating fluidized bed riser. 2020 , 49, 105-116	5
671	The correlation dimension of an attractor determined on the base of the theory of equivalence of measures and stochastic equations for continuum. 2020 , 32, 63-74	10
670	Spatial patterns of sample entropy based on daily precipitation time series in China and their implications for land surface hydrological interactions. 2020 , 40, 1669-1685	5
669	Multi-fractal multi-resolution structures from DLA & Strange Attractors Hybrids. 2020 , 83, 105092	4
668	Superficial oscillation as an identifier of phenomena governing dynamics of solid-gas fluidized systems. 2020 , 362, 770-780	
667	Short-term power load forecasting using integrated methods based on long short-term memory. 2020 , 63, 614-624	8
666	Dimension of reservoir computers. 2020 , 30, 013102	5
665	Testing for non-chaoticity under noisy dynamics using the largest Lyapunov exponent. 2020 , 24, 8617-8626	1
664	Secure image encryption scheme based on fractals key with Fibonacci series and discrete dynamical system. 2020 , 32, 11837-11857	18
663	Microseismic Data Interpretation. 2020 , 153-179	
662	Practical Considerations on Nonparametric Methods for Estimating Intrinsic Dimensions of Nonlinear Data Structures. 2020 , 34, 2058010	0
661	A box-covering Tsallis information dimension and non-extensive property of complex networks. 2020 , 132, 109590	8
660	Seismic-Acoustics of a Block Sliding Along a Fault. 2020 , 177, 2641-2651	5
659	On the Correlation Dimension of Discrete Fractional Chaotic Systems. 2020 , 30, 2050174	2
658	Compressing Phase Space Detects State Changes in Nonlinear Dynamical Systems. 2020 , 2020, 1-6	

657	Data-Driven Analysis of the Chaotic Characteristics of Air Traffic Flow. 2020 , 2020, 1-17	1
656	Fractal dimension and the persistent homology of random geometric complexes. 2020 , 372, 107291	3
655	Sinusoidal model-based hypernasality detection in cleft palate speech using CVCV sequence. 2020 , 124, 1-12	3
654	An experimental study of subcritical transition into thermoacoustic oscillations in a swirl stabilized model gas turbine combustor. 2020 ,	
653	Chronic Undernutrition Differentially Changes Muscle Fiber Types Organization and Distribution in the EDL Muscle Fascicles. 2020 , 11, 777	0
652	Chaotic signals inside some tick-by-tick financial time series. 2020 , 137, 109852	5
651	Statistical Modeling and Characterization of Induced Seismicity Within the Western Canada Sedimentary Basin. 2020 , 125, e2020JB020606	2
650	Route to hyperbolic hyperchaos in a nonautonomous time-delay system. 2020 , 30, 113113	2
649	On the connection between Lagrangian and Eulerian metrics for recurrent particulate flows. 2020 , 32, 113308	4
648	Modeling the Influence of Data Structure on Learning in Neural Networks: The Hidden Manifold Model. 2020 , 10,	13
647	Changes in the Determinism of the Gait Dynamics with the Intervention of a Robotic Walker. 2020 , 10, 4939	1
646	. 2020 , 8, 136036-136045	0
645	Quantitative characterization of fracture structure in coal based on image processing and multifractal theory. 2020 , 228, 103566	7
644	Study of sunspot cycles using fractal dimensions: wave-spectrum scaling. 2020 , 13, 1	
643	Recurrence analysis and time extrapolation of a confined turbulent jet using modal decomposition. 2020 , 32, 075115	5
642	Analysis of Time Dynamical Features in Intraplate Versus Interplate Seismicity: The Case Study of Iquique Area (Chile). 2020 , 177, 4755-4773	2
641	The Lorenz system: hidden boundary of practical stability and the Lyapunov dimension. 2020 , 102, 713-732	29
640	Temporal codes of visual working memory in the human cerebral cortex: Brain rhythms associated with high memory capacity. 2020 , 222, 117294	4

639	Local intrinsic dimensionality estimators based on concentration of measure. 2020 ,	0
638	A measure of complexity based on the order patterns. 2020 , 102, 1925-1938	
637	Nonlinear phenomena in models of the circadian clock. 2020 , 17, 20200556	3
636	Generic Rotating-Frame-Based Approach to Chaos Generation in Nonlinear Micro- and Nanoelectromechanical System Resonators. 2020 , 125, 174301	3
635	Chaotic Ensemble of Online Recurrent Extreme Learning Machine for Temperature Prediction of Control Moment Gyroscopes. 2020 , 20,	2
634	Analysis of Partial Discharges in Electrical Tree Growth Under Very Low Frequency (VLF) Excitation Through Pulse Sequence and Nonlinear Time Series Analysis. 2020 , 8, 163673-163684	3
633	A Study of Largest Active Region AR12192 of 24th Solar Cycle Using Fractal Dimensions and Mathematical Morphology. 2020 , 54, 353-359	
632	Entropy Analysis of RR-Time Series From Stress Tests. 2020 , 11, 981	7
631	Investigating Route to Chaos in Nonlinear Plasmonic Dimer. 2020 , 532, 2000240	0
630	Broadband random optoelectronic oscillator. 2020 , 11, 5724	8
629	An Effective Manifold Learning Approach to Parametrize Data for Generative Modeling of Biosignals. 2020 , 8, 207112-207133	1
628	Failure-Aware and Delay-Predicted Multipath Virtual Queue Scheduling for Multimedia Transmission in Edge IoT. 2020 , 2020, 1-12	
627	Entropy Profiling: A Reduced-Parametric Measure of Kolmogorov-Sinai Entropy from Short-Term HRV Signal. 2020 , 22,	3
626	Experimental Investigation on the Tensile Strength of Coal: Consideration of the Specimen Size and Water Content. 2020 , 13, 6585	1
625	Chaos in a simple model of a delta network. 2020 , 117, 27179-27187	2
624	Rejuvenation of Pop-up Tectonics for Shillong Plateau in NE Himalayan region. 2020 , 129, 1	1
623	Neurophysiological Hallmarks of Neurodegenerative Cognitive Decline: The Study of Brain Connectivity as A Biomarker of Early Dementia. 2020 , 10,	12
622	Property and evolution of the running-in attractor in an actual dynamic system. 2020 , 102, 1019-1031	6

621	A modified BDS test. 2020 , 164, 108794	1
620	On Geometry of Information Flow for Causal Inference. 2020 , 22,	2
619	To walk or to run - a question of movement attractor stability. 2020 , 223,	4
618	Symbolic Information Flow Measurement (SIFM): A software for measurement of information flow using symbolic analysis. 2020 , 11, 100470	2
617	Multifractal Characteristics of Seismogenic Systems and b Values in the Taiwan Seismic Region. 2020 , 9, 384	2
616	Simple capacitor-switch model of excitatory and inhibitory neuron with all parts biologically explained allows input fire pattern dependent chaotic oscillations. 2020 , 10, 7353	1
615	A relay Mackey-Glass model with two delays. 2020 , 203, 524-534	3
614	Using curvature to select the time lag for delay reconstruction. 2020 , 30, 063143	2
613	Chaotic dynamics in shear-band-mediated plasticity of metallic glasses. 2020 , 101,	5
612	Brain Network Constancy and Participant Recognition: an Integrated Approach to Big Data and Complex Network Analysis. 2020 , 11, 1003	2
611	Nonlinear analysis of solar wind parameters. 2020 , 365, 1	
610	Biocomplexity and Fractality in the Search of Biomarkers of Aging and Pathology: Mitochondrial DNA Profiling of Parkinson's Disease. 2020 , 21,	5
609	Classification of Pain Event Related Potential for Evaluation of Pain Perception Induced by Electrical Stimulation. 2020 , 20,	8
608	Open-Source Software Analysis Tool to Investigate Space Plasma Turbulence and Nonlinear DYNAMics (ODYN). 2020 , 7, e2019EA001004	4
607	On the automatic parameter selection for permutation entropy. 2020 , 30, 033130	13
606	Behavioral study of a new chaotic system. 2020 , 229, 1343-1350	8
605	Phase Space Reconstruction from a Biological Time Series: A Photoplethysmographic Signal Case Study. 2020 , 10, 1430	5
604	Short-Time Estimation of Fractionation in Atrial Fibrillation with Coarse-Grained Correlation Dimension for Mapping the Atrial Substrate. 2020 , 22,	4

603	Reducing network size and improving prediction stability of reservoir computing. 2020 , 30, 063136	6
602	Lizard Brain: Tackling Locally Low-Dimensional Yet Globally Complex Organization of Multi-Dimensional Datasets. 2019 , 13, 110	8
601	Distributed Sensing Via Inductively Coupled Single-Transistor Chaotic Oscillators: A New Approach and Its Experimental Proof-of-Concept. 2020 , 8, 36536-36555	3
600	Examining Human Unipedal Quiet Stance: Characterizing Control through Jerk. 2020 , 2020, 5658321	2
599	The Contribution Rate of Driving Factors and Their Interactions to Temperature in the Yangtze River Delta Region. 2020 , 11, 32	5
598	FRACTAL DIMENSION ESTIMATION WITH PERSISTENT HOMOLOGY: A COMPARATIVE STUDY. 2020 , 84, 105163-105163	9
597	Designing a 2D infinite collapse map for image encryption. 2020 , 171, 107457	31
596	First evidence that intrinsic fetal heart rate variability exists and is affected by hypoxic pregnancy. 2020 , 598, 249-263	17
595	Advances in Signal Processing and Intelligent Recognition Systems. 2020 ,	
594	Asymptotic behavior of the time-dependent divergence exponent. 2020 , 101, 042211	2
593	Dynamics of a driven harmonic oscillator coupled to independent Ising spins in random fields. 2020 , 101, 042217	2
592	Nonlinear Dynamic Modeling of Urban Water Consumption Using Chaotic Approach (Case Study: City of Kelowna). 2020 , 12, 753	2
591	Mobile Information Service for Networks. 2020 ,	
590	Early diagnosis of Alzheimer's disease: the role of biomarkers including advanced EEG signal analysis. Report from the IFCN-sponsored panel of experts. 2020 , 131, 1287-1310	61
589	Multiscale correlation dimension method. 2020 , 31, 2050045	
588	Monthly Mean Meteorological Temperature Prediction Based on VMD-DSE and Volterra Adaptive Model. 2020 , 2020, 1-17	4
587	Fractal Characteristics of Porosity of Electrospun Nanofiber Membranes. 2020 , 2020, 1-8	0
586	A novel incipient fault detection based on residual evaluation by using correlation dimension and inverse of largest Lyapunov exponent. 2021 , 9, 56-70	1

585	The role of variability in the control of the basketball dribble under different perceptual setups. 2021 , 21, 521-530	0
584	Spatio-temporal dynamics of jerky flow in high-entropy alloy at extremely low temperature. 2021 , 101, 154-178	10
583	Fault detection and diagnosis of nonlinear dynamical processes through correlation dimension and fractal analysis based dynamic kernel PCA. 2021 , 229, 116099	14
582	Forward Stepwise Deep Autoencoder-based Monotone Nonlinear Dimensionality Reduction Methods.. 2021 , 30, 519-529	0
581	Theoretical solutions for spectral function of the turbulent medium based on the stochastic equations and equivalence of measures. 2021 , 33, 603-610	6
580	Chaos. 2021 , 87-103	1
579	Kaldor&alecki New Model on Business Cycles. 2021 , 247-268	0
578	The complex dynamics of renewable energy innovation system in Tunisia. 2021 , 121-164	0
577	Searching for signatures of chaos in γ-ray light curves of selected Fermi-LAT blazars. 2021 , 502, 2750-2756	2
576	Nonlinear Analysis of Radial Evolution of Solar Wind in the Inner Heliosphere. 2021 , 296, 1	0
575	Non-Linear Chaotic Features-Based Human Activity Recognition. 2021 , 10, 111	4
574	Nonlinear Dynamics of Complex Neurophysiologic Systems Within a Quantum-Chaos Geometric Approach. 2021 , 291-303	
573	Correlation dimension and bifurcation analysis for the planar slider-crank mechanism with multiple clearance joints. 2021 , 52, 95-116	4
572	Intrinsic growth heterogeneity of mouse leukemia cells underlies differential susceptibility to a growth-inhibiting anticancer drug. 2021 , 16, e0236534	4
571	Analysis of ECG Signal based on Feature Fusion and Two-Fold Classification Approach. 2021 ,	1
570	Estimating a Sleep Apnea Hypopnea Index Based on the ERB Correlation Dimension of Snore Sounds. 2020 , 2, 613725	0
569	Unsupervised learning of Swiss population spatial distribution. 2021 , 16, e0246529	
568	Characterization of infant healthy and pathological cry signals in cepstrum domain based on approximate entropy and correlation dimension. 2021 , 143, 110639	5

- 567 The phase space distribution of confined fluids under shear is not fractal. **2021**, 154, 094116
- 566 Prediction of sound pressure fluctuations in the start-up phase of thermoacoustic oscillations under external perturbation. **2021**, 3, 21-30
- 565 CEPS: An Open Access MATLAB Graphical User Interface (GUI) for the Analysis of Complexity and Entropy in Physiological Signals. **2021**, 23, 5
- 564 Shortest Distance Between Multiple Orbits and Generalized Fractal Dimensions. **2021**, 22, 1853-1885 0
- 563 A hybrid prediction model for wind speed using support vector machine and genetic programming in conjunction with error compensation. 1 2
- 562 Toward Reverse Engineering to Economic Analysis: An Overview of Tools and Methodology. 1 1
- 561 Hidden Strange Nonchaotic Attractors. **2021**, 9, 652 6
- 560 A novel embedding method for characterization of low-dimensional nonlinear dynamical systems. **2021**, 104, 125-148 0
- 559 A multiscale reconstructed attractors-based method for identification of structural damage under impact excitations. **2021**, 495, 115925 1
- 558 Predictive learning as a network mechanism for extracting low-dimensional latent space representations. **2021**, 12, 1417 7
- 557 Detection of Hidden Oscillations in Systems Without Equilibrium. **2021**, 31, 2150043 3
- 556 Study of the effect of loading modes on the acoustic emission fractal and damage characteristics of cemented paste backfill. **2021**, 277, 122311 18
- 555 Controlling chaos by the system size. **2021**, 11, 8703
- 554 A tale of two rhythms: Locked clocks and chaos in biology. **2021**, 12, 291-303 7
- 553 Is EEG a Useful Examination Tool for Diagnosis of Epilepsy and Comorbid Psychiatric Disorders?.
- 552 Multifractal point processes and the spatial distribution of wildfires in French Mediterranean regions. **2021**, 568, 125697 0
- 551 Rumor Situation Discrimination Based on Empirical Mode Decomposition Correlation Dimension. **2021**, 2021, 1-12
- 550 New features of doubly transient chaos: complexity of decay. **2021**, 2, 035001 3

549	Characterization of earthquake hazard at the Palghar and Pulichintala swarm activity regions (India) through three-dimensional modelling of b-value and fractal (correlation) dimensions. 2021 , 108, 1183-1196	1
548	Chaos and Complexity Dynamics of Evolutionary Systems.	
547	Coagulation of inertial particles in supersonic turbulence. 2021 , 648, A52	1
546	Determinism and Non-linear Behaviour of Log-return and Conditional Volatility: Empirical Analysis for 26 Stock Markets. 227797872199565	2
545	An Evaluation on the Behaviors of Aftershock Sequence of November 26th, 2019 Earthquake, ML=6.3, North of Durrës, Albania.	
544	Machine learning model on heart rate variability metrics identifies asymptomatic toddlers exposed to zika virus during pregnancy. 2021 , 42,	4
543	Intrinsic dimension estimation based on local adjacency information. 2021 , 558, 21-33	1
542	Long-Range Forecasting as a Past Value Problem: Untangling Correlations and Causality With Scaling. 2021 , 48, e2020GL092147	8
541	Aftershocks and Background Seismicity in Tangshan and the Rest of North China. 2021 , 126, e2020JB021395	1
540	Evaluating the Voice Type Component Distributions of Excised Larynx Phonations at Three Subglottal Pressures. 2021 , 64, 1447-1456	1
539	. 2021 ,	1
538	A Review of EEG Signal Features and their Application in Driver Drowsiness Detection Systems. 2021 , 21,	22
537	Maximally predictive ensemble dynamics from data.	2
536	Heat flow random walks in biomolecular systems using symbolic transfer entropy and graph theory. 2021 , 104, 107838	1
535	A data-driven Bayesian network learning method for process fault diagnosis. 2021 , 150, 110-122	21
534	Discrete traveling waves in a relay system of Mackey-Glass equations with two delays. 2021 , 207, 827-840	
533	A new fractal-theory-based criterion for hydrological model calibration. 2021 , 25, 3675-3690	2
532	Investigation on the Running-In Quality at Different Rotating Speeds by Chaos Theory. 2021 , 31, 2150108	1

531	Analysis of EEG Data Using Complex Geometric Structurization. 2021 , 33, 1942-1969	
530	The BDS test of independence. 2021 , 21, 279-294	1
529	A novel automated autism spectrum disorder detection system. 2021 , 7, 2399	7
528	Quantitative Analysis of Genomic Sequences of Virus RNAs Using a Metric-Based Algorithm.	1
527	Research on weighted Havrda-Charvát entropy in financial time series. 2021 , 572, 125914	
526	An Extended Correlation Dimension of Complex Networks. 2021 , 23,	0
525	Geometry of abstract learned knowledge in the hippocampus. 2021, 595, 80-84 Repeated training of homing pigeons reveals age-dependent idiosyncrasy and visual landmark use. 2021, 177, 159-170 Attractor dynamics of elite performance: the high bar longswing. 2021, 1-14 Efficient Bayesian inference for large chaotic dynamical systems. 2021, 14, 4319-4333 The Stock Market Model with Delayed Information Impact from a Socioeconomic View. 2021, 23, Finding nonlinear system equations and complex network structures from data: A sparse optimization approach. 2021, 31, 082101 Sensitivity Analysis of Discrete Fracture Network Connectivity Characteristics. 1 Fractal dimensions and two-dimensional slow-fast systems. 2021, 501, 125212 A General Metric for the Similarity of Both Stochastic and Deterministic System Dynamics. 2021, 23, Application of a novel structure-adaptative grey model with adjustable time power item for nuclear energy consumption forecasting. 2021, 298, 117114 Fiscal and External Deficits Nexus in GIIPS Countries: Evidence from Parametric and Nonparametric Causality Tests. 1	2021, 207, 489-504
524	Geometry of abstract learned knowledge in the hippocampus. 2021 , 595, 80-84	21
523	Repeated training of homing pigeons reveals age-dependent idiosyncrasy and visual landmark use. 2021 , 177, 159-170	2
522	Attractor dynamics of elite performance: the high bar longswing. 2021 , 1-14	1
521	Efficient Bayesian inference for large chaotic dynamical systems. 2021 , 14, 4319-4333	0
520	The Stock Market Model with Delayed Information Impact from a Socioeconomic View. 2021 , 23,	0
519	Finding nonlinear system equations and complex network structures from data: A sparse optimization approach. 2021 , 31, 082101	3
518	Sensitivity Analysis of Discrete Fracture Network Connectivity Characteristics. 1	0
517	Fractal dimensions and two-dimensional slow-fast systems. 2021 , 501, 125212	1
516	A General Metric for the Similarity of Both Stochastic and Deterministic System Dynamics. 2021 , 23,	2
515	Application of a novel structure-adaptative grey model with adjustable time power item for nuclear energy consumption forecasting. 2021 , 298, 117114	21
514	Fiscal and External Deficits Nexus in GIIPS Countries: Evidence from Parametric and Nonparametric Causality Tests. 1	0

513	Poisson renormalized entropy as a possible precursor to large earthquakes. 1	
512	An exploration of fractal-based prognostic model and comparative analysis for second wave of COVID-19 diffusion. 2021 , 106, 1-21	15
511	Chaotic Characteristic Analysis of Vibration Response of Pumping Station Pipeline Using Improved Variational Mode Decomposition Method. 2021 , 11, 8864	1
510	Scale invariance behavior for pre and post-2015 Nepal Gorkha earthquake GPS time series based on fractal analysis. 2021 , 152, 111341	
509	A novel approach to the study of spatio-temporal brain dynamics using change-based complexity. 2021 , 410, 126432	
508	Environmental Time Series Prediction with Missing Data by Machine Learning and Dynamics Reconstruction. 2021 , 26-33	
507	RGB-D Videos-Based Early Prediction of Infant Cerebral Palsy via General Movements Complexity. 2021 , 9, 42314-42324	5
506	Reasonable Non-conventional Generator of Random Linear Chains Based on a Simple Self-avoiding Walking Process: A Statistical and Fractal Analysis. 2021 , 192-206	0
505	Automated Detection of Normal and Cardiac Heart Disease Using Chaos Attributes and Online Sequential Extreme Learning Machine. 2021 , 213-234	
504	UNIT ROOT TESTING: A CRITIQUE FROM CHAOS THEORY. 1993 , 3, 1-18	3
503	Global and Multiscale Phenomena of the Magnetosphere. 2005 , 117-143	3
502	Space-time Combined Correlation Between Earthquakes and a New, Self-Consistent Definition of Aftershocks. 2006 , 259-279	3
501	Ergodic theory of chaos and strange attractors. 1985 , 273-312	49
500	Encyclopedia of Complexity and Systems Science. 2009 , 3779-3802	2
499	Encyclopedia of Complexity and Systems Science. 2009 , 3893-3924	1
498	Encyclopedia of Complexity and Systems Science. 2009 , 476-489	7
497	Encyclopedia of Complexity and Systems Science. 2009 , 6252-6271	10
496	Self Organized Criticality and/or Low Dimensional Chaos in Earthquake Processes: Theory and Practice in Hellenic Region. 2007 , 235-259	3

495	Information Flow in Coupled Nonlinear Systems: Application to the Epileptic Human Brain. 2007 , 483-503	12
494	Seizure Predictability in an Experimental Model of Epilepsy. 2007 , 535-558	2
493	Causality in Time Series: Its Detection and Quantification by Means of Information Theory. 2009 , 183-207	4
492	Some Recent Advances in Multiscale Geometric Analysis of Point Clouds. 2011 , 199-225	7
491	Chaos Theory for Modeling Environmental Systems: Philosophy and Pragmatism. 2012 , 533-555	2
490	Applications of Fractal Geometry and Percolation Theory to Landscape Analysis and Assessments. 2001 , 200-210	1
489	Cycle-to-Cycle Variability. 2014 , 107-145	0
488	Characterization of Epileptic EEG Time Series (I): Gabor Transform and Nonlinear Dynamics Methods. 1997 , 179-226	4
487	Probability, Random Processes, and the Statistical Description of Dynamics. 1997 , 106-151	7
486	Chaotic Transport and Mixing by Ocean Gyre Circulation. 1996 , 439-466	6
485	Nitrogen Cycling and the Control of Chaos in a Boreal Forest Model. 1997 , 304-319	1
484	Nonlinear Dynamics at the Bedside. 1991 , 583-605	11
483	Mathematics of Complexity and Dynamical Systems. 2012 , 429-445	3
482	EEG Features as Biomarkers for Discrimination of Preictal States. 2012 , 31-56	1
481	Computational Language Related to Recursion, Incursion and Fractal. 2014 , 149-165	1
480	Evidence for Chaotic Dynamics in the Outer Solar Plasma and the Earth Magnetosphere. 1992 , 327-339	4
479	Time Series Analysis of Magnetospheric Activity Using Nonlinear Dynamical Methods. 1992 , 341-347	2
478	Non-linear analysis of vasomotion oscillations in reflected light measurements. 1998 , 454, 571-82	2

477	Complexity and Chaos. 1989 , 1-27	1
476	Is There a Strange Attractor in a Fluidized Bed? 1989 , 193-197	5
475	Statistical Inference Theory for Measures of Complexity in Chaos Theory and Nonlinear Science. 1989 , 79-97	4
474	Chaotic Dynamics of Otoacoustic Emissions. 1990 , 194-201	4
473	Chaos, Phase Locking and Bifurcation in Normal Squid Axons. 1987 , 143-156	6
472	Chaotic Behavior of an Annular Film of Liquid Unstabilized by an Interfacial Shear Stress. 1993 , 1-15	2
471	35 Heart Rate Variability. 2010 , 1513-1674	4
470	Nonlinear Dynamics Simulations of Microbial Ecological Processes: Model, Diagnostic Parameters of Deterministic Chaos, and Sensitivity Analysis. 2018 , 437-465	1
469	Diabetes Detection Using ECG Signals: An Overview. 2020 , 299-327	4
468	Monitoring the Characteristics of Human Emotional Reactions Based on the Analysis of Attractors Reconstructed According to EEG Patterns. 2020 , 430-443	2
467	New Types of Solutions of Non-linear Fractional Differential Equations. 2013 , 139-155	11
466	Studying Protein Interior with Fractal Dimension. 2013 , 19-84	1
465	Dynamical System Analysis and Forecasting of Deformation Produced by an Earthquake Fault. 2004 , 2023-2051	1
464	Coupled Nonautonomous Oscillators. 2013 , 163-197	3
463	Intrinsic Dimensionality. 2014 , 41-52	1
462	Mathematical and Computational Foundations of Recurrence Quantifications. 2015 , 3-43	31
461	A Recurrence-Based Approach for Feature Extraction in Brain-Computer Interface Systems. 2014 , 95-107	3
460	From Fractal Urban Pattern Analysis to Fractal Urban Planning Concepts. 2015 , 13-48	4

459	Chaotic Properties of Gait Kinematic Data. 2015 , 111-119	1
458	Synergetics in Psychology: Patterns and Pattern Transitions in Human Change Processes. 2016 , 181-208	15
457	New Insights for Testing Linearity and Complexity with Surrogates: A Recurrence Plot Approach. 2016 , 91-112	2
456	Quantifying Swarming Behaviour. 2016 , 119-130	1
455	Non-Linear Chaotic Dynamics of Quantum Systems: Molecules in an Electromagnetic Field and Laser Systems. 2017 , 169-180	6
454	Linked by Dynamics: Wavelet-Based Mutual Information Rate as a Connectivity Measure and Scale-Specific Networks. 2018 , 427-463	12
453	Chaotic Business Cycles within a Kaldor-Kalecki Framework. 2018 , 133-161	12
452	Experimental Assessments of the Added Mass of Flexible Cylinders in Water: The Role of Modal Shape Representation. 2019 , 215-235	0
451	Efficient Non Linear Time Series Prediction Using Non Linear Signal Analysis and Neural Networks in Chaotic Diode Resonator Circuits. 2007 , 329-338	2
450	On Predictability and Profitability: Would GP Induced Trading Rules be Sensitive to the Observed Entropy of Time Series?. 2008 , 197-210	19
449	Is Detection of Different Anesthetic Levels Related to Nonlinearity of the Electroencephalogram?. 2009 , 335-339	1
448	Nonlinear Analysis of Physiological Time Series. 2009 , 307-333	9
447	Combining ESOMs Trained on a Hierarchy of Feature Subsets for Single-Trial Decoding of LFP Responses in Monkey Area V4. 2010 , 548-555	1
446	Chaos-Based Communication Systems: Current Trends and Challenges. 2011 , 203-230	6
445	Minimum Neighbor Distance Estimators of Intrinsic Dimension. 2011 , 374-389	16
444	IDEA: Intrinsic Dimension Estimation Algorithm. 2011 , 433-442	12
443	Nonlinear Dynamics for Hypernasality Detection. 2011 , 207-214	6
442	On Measurement of Internal Variables of Complex Self-Organized Systems and Their Relation to Multifractal Spectra. 2012 , 36-47	3

441	The Intrinsic Dimensionality of Attractiveness: A Study in Face Profiles. 2012 , 59-66	7
440	An EEG Based Pervasive Depression Detection for Females. 2013 , 848-861	9
439	Automatic Detection of Laryngeal Pathologies in Running Speech Based on the HMM Transformation of the Nonlinear Dynamics. 2013 , 136-143	2
438	Investigation of Chronic Stress Differences between Groups Exposed to Three Stressors and Normal Controls by Analyzing EEG Recordings. 2013 , 512-521	2
437	Detection of Chaos and Fractals from Experimental Time Series. 1999 , 669-687	4
436	EEG Spatial Pattern Differences with Discriminated Odors Manifest Chaotic and Limit Cycle Attractors in Olfactory Bulb of Rabbits. 1986 , 97-119	16
435	Exploring Nature's Roulette Wheel: Chaos in Biological Systems. 1991 , 173-185	1
434	Nonlinear Oscillations of Structures Induced by Dry Friction. 1990 , 233-240	26
433	Nonlinear Phenomena in Dissipative Systems. 1985 , 16-69	2
432	From Chaos to Turbulence in Fluid Dynamics. 1991 , 67-137	1
431	Quantitative EEG in frontal lobe dementia. 1996 , 47, 169-81	17
430	Evidence of Chaotic Attractors in Cortical Fast Oscillations Tested by an Artificial Neural Network. 2003 , 11-22	1
429	Characteristics of Hydrologic Systems. 2017 , 29-62	2
428	Chaos Identification and Prediction Methods. 2017 , 173-197	1
427	A Glossary of Terms Used in Nonlinear Dynamics. 2000 , 191-218	3
426	Period-doubling events in the light curve of R Cygni: Evidence for chaotic behaviour. 2002 , 390, 585-596	21
425	Analysis of solar narrow band dm-spikes observed at 1420 and 2695 MHz. 2003 , 407, 1115-1125	25
424	The New Palgrave Dictionary of Economics. 2008 , 1-7	0

423	Rössler-network with time delay: Univariate impulse pinning synchronization. 2020 , 30, 123101	1
422	Breaking symmetries of the reservoir equations in echo state networks. 2020 , 30, 123142	10
421	Chasing chaos by improved identification of suitable embedding dimensions and lags. 2020 , 30, 123104	1
420	Evidence for Nonlinear X-Ray Variability from the Broad-Line Radio Galaxy 3C 390.3. 1997 , 481, L15-L18	43
419	Asymptotic learning curves of kernel methods: empirical data versus teacher-student paradigm. 2020 , 2020, 124001	2
418	On the Complete Integrability of some Lax Equations on a Periodic Lattice. 1997 , 349, 331-372	3
417	Predictive learning as a network mechanism for extracting low-dimensional latent space representations.	2
416	The population dynamics of a canonical cognitive circuit.	5
415	Dynamic compression and expansion in a classifying recurrent network.	7
414	Mapping topological characteristics of dynamical systems into neural networks: A reservoir computing approach. 2020 , 102, 033314	5
413	Transition to chaos in an acoustically driven cavity flow. 2019 , 4,	4
412	Passive directors in turbulence. 2019 , 4,	7
411	Galvanic Skin Response signal based Cognitive Load classification using Machine Learning classifier. 2019 ,	2
410	Ecological implications of a latitudinal gradient in inter-annual climatic variability: a test using fractal and chaos theories. 1996 , 19, 382-392	24
409	Theseus-BTA Cosmological Crucial Tests Using Multimessenger Gamma-Ray Bursts Observations. 2020 , 75, 207-218	2
408	Observation on Nonlinear Dynamical Fluctuation in Ferroelectric Triglycine Sulfate Crystal by Measuring Time Series of Electric Property. 2004 , 73, 1734-1737	4
407	The Fundamentals of EEG Signal Processing. 2014 , 21-72	3
406	On the fractal dimensions of point patterns. 1999 , 31, 643-663	5

405	Bubbling Behavior in Gas-Liquid Countercurrent Bubble Column Bioreactors. 2004 , 37, 990-998	12
404	Recurrence plot entropy for machine defect severity assessment. 2013 , 11, 299-314	2
403	Analysis of the two dimensional sheet debris flight equations: initial and final state. 2010 , 13, 109-125	4
402	Detecting determinism in laser noise: a novel diagnostic approach for ultrafast lasers. 2016 ,	2
401	Effect of digital acquisition on the complexity of chaos. 2017 , 42, 2507-2510	11
400	Order in spontaneous behavior. 2007 , 2, e443	153
399	Failure of Arm Movement Control in Stroke Patients, Characterized by Loss of Complexity. 2015 , 10, e0141996	2
398	Fractal Dimension Analysis of Transient Visual Evoked Potentials: Optimisation and Applications. 2016 , 11, e0161565	4
397	Biocomplexity and Fractality in the Search of Biomarkers of Aging and Pathology: Focus on Mitochondrial DNA and Alzheimer's Disease. 2017 , 8, 44-56	9
396	Estimating the Correlation Dimension from a Chaotic System with Dynamic Noise. 2005 , 35, 287-302	1
395	Hierarchical block model for seismic processes. 2018 , 55-62	1
394	Estimating Attractor Dimension on the Nonlinear Pendulum Time Series. 2001 , 23, 427-439	8
393	Evidence of Bubbles in the Korean Stock Markets.	1
392	Revisiting the Hiemstra-Jones Test.	1
391	Application of nonlinear dynamics approaches to the numerical study of PDE. II. 1996 ,	2
390	2007, 177, 859 2007 , 177, 859	19
389	Fascination of chaos. 2010 , 180, 1305	22
388	Determination of Critical Reynolds Number for the Flow Near a Rotating Disk on the Basis of the Theory of Stochastic Equations and Equivalence of Measures. 2021 , 6, 5	3

387	Robust Classification Method for Underwater Targets Using the Chaotic Features of the Flow Field. 2020 , 8, 111	1
386	Fractal fuzzy set pair analysis assessment model of urban flood-waterlogged vulnerability. 2012 , 29, 12-17	3
385	Influence de l'expertise sportive sur le maintien de l'équilibre précaire: une étude dynamique. 2005 , Numfo 475, 11	3
384	On the use of Nearest Neighbors in finance. 2005 , 26, 67	1
383	Correlation integral and determinism for a family of S^2 maps. 2016 , 36, 5067-5096	2
382	On entropy, entropy-like quantities, and applications. 2015 , 20, 3301-3343	10
381	Multifractal portrayal of the Swiss population.	3
380	Chaotic time series. Part I. Estimation of some invariant properties in state-space. 1994 , 15, 205-224	29
379	Wavelets and Entropy for Power Quality Assessment. 2017 , 07, 276-290	1
378	Convergence Criterium of Numerical Chaotic Solutions Based on Statistical Measures. 2011 , 02, 436-443	2
377	Assessing Brain Pathophysiology through Non-Linear Analysis of MEG in Idiopathic Generalized Epilepsy Cases. 2012 , 02, 445-453	2
376	Nonlinear Deterministic Chaos in Benue River Flow Daily Time Sequence. 2011 , 03, 747-757	5
375	The Failure of Economic Theory. Lessons from Chaos Theory. 2012 , 03, 1-10	15
374	Intrinsic Dimensionality Estimation for High-dimensional Data Sets: New Approaches for the Computation of Correlation Dimension. 2013 , 5,	5
373	Analysis on the Depth of Anesthesia by Using EEG and ECG Signals. 2013 , 14, 299-303	1
372	Hydrologic system complexity and nonlinear dynamic concepts for a catchment classification framework.	5
371	Spectral characteristics of high-latitude raw 40 MHz cosmic noise signals. 2016 , 23, 215-222	1
370	Forecasting Nonlinear Crude Oil Futures Prices. 2006 , 27,	69

369	Nonlinear Dynamics in Energy Futures. 2007 , 28,	11
368	La modélisation fractale et la variabilité spatiale des phénomènes naturels. 1993 , 47, 3-19	5
367	Nonlinear characteristics extraction from electrical signals of dorsal spinal nerve root evoked by acupuncture at Zusanli point. 2010 , 59, 5880	18
366	Chaotic property analysis and prediction model study for heating load time series. 2011 , 60, 100508	2
365	Chaotic characteristic analysis for traffic flow series and DFPSOVF prediction model. 2013 , 62, 190509	6
364	Analysis and prediction of complex dynamical characteristics of short-term traffic flow. 2014 , 63, 040505	7
363	An improved high performance Lorenz system and its application. 2015 , 64, 020501	3
362	Chaotic characteristics analysis and prediction for short-term wind speed time series. 2015 , 64, 030506	4
361	A novel method to identify the scaling region of correlation dimension. 2015 , 64, 130504	1
360	A study of the middle time-scale periodic behavior of light curve of BL Lac object OJ287. 2015 , 64, 139801	1
359	Application of nonlinear dynamical methods in abrupt climate change detection. 2015 , 64, 179201	4
358	The Effect of Random Projection on Local Intrinsic Dimensionality. 2021 , 201-214	1
357	Fractal Dimension Estimation of Time Series . 2021 , 190, 57-80	
356	The influence of water hardness perturbations on bubble departure dynamics. 2021 , 11, 21010	0
355	Scikit-Dimension: A Python Package for Intrinsic Dimension Estimation. 2021 , 23,	5
354	The Curled Up Dimension in Quasicrystals. 2021 , 11, 1238	
353	Dynamical ergodicity DDA reveals causal structure in time series. 2021 , 31, 103108	0
352	Intrinsic dimension estimation method based on correlation dimension and kNN method. 2021 , 107627	0

- 351 Chaos in the Brain: A New Strategy to Discriminate Deterministic Low Dimensional Dynamics in the Spontaneous Activity of the Human Cortex. **2000**, 963-966
- 350 Predictive dimension: an alternative definition to embedding dimension. **2000**, 319-324
- 349 Fuzzy Inductive Reasoning and Nonlinear Dependence in Security Returns: Results from an Artificial Stock Market Environment.
- 348 Some Remarks on the Statistical Modeling of Chaotic Systems. **2001**, 105-126
- 347 Formulas for the Eckmann-Ruelle Matrix. **2001**, 323-336 1
- 346 Appendices. **2001**,
- 345 Strange Attractor of Controlled Chaos in Yttrium Iron Garnet Films. **2001**, 70, 2161-2163
- 344 Slow dynamics in chaotic magnon system. **2002**, 93-96
- 343 Reconstruction of Unknown Properties of Seismic Flows. **2002**, 770-777
- 342 Influence of Measured Time Series in the Reconstruction of Nonlinear Multivariable Dynamics. **2002**, 429-451
- 341 K. **2002**, 1611-1676
- 340 L. **2002**, 1677-1836
- 339 Z. **2002**, 3239-3252
- 338 A Nonlinear Model for Predicting ECG R-R Interval Variation Based on the Evolutionary Computation Approach. **2003**, 378-386
- 337 Fractional Randomness. **2003**, 185-234 1
- 336 The physics of complex systems: applications to earthquake. **2003**, 102-147
- 335 Improving Human Health and Physical Capabilities. **2003**, 179-273
- 334 The Empirical Relationship Between Expected Return and Risk in the Amman Stock Exchange.

- 333 A proposal of quantification of rock surface roughness adopting chaos theory. **2003**, 289-296
- 332 Characterization of Regular and Chaotic Motions. **2003**, 235-258
- 331 Non linéarité de l'éssaim de Quito de 1998-1999 associée à l'activité du volcan Guagua Pichincha, Équateur. **2003**, 1-22
- 330 Introduction. **2004**, 1-24
- 329 ROLES OF CHAOS, SELF-ORGANIZED CRITICALITY AND PHASE TRANSITIONS IN MAGNETOSPHERIC PHYSICS. **2005**, 195-215
- 328 ~~Non-linear dynamics of the Quito swarm of 1998-1999 associated with the activity of the Guagua Pichincha volcano, Ecuador. **2005**, 142, 148-159~~ 1
- 327 References. 469-489
- 326 A New Modeling Approach of STLF with Integrated Dynamics Mechanism and Based on the Fusion of Dynamic Optimal Neighbor Phase Points and ICNN. **2006**, 827-835 0
- 325 How Big is Big Enough? Justifying Results of the lid Test Based on the Correlation Integral in the Non-Normal World.
- 324 Technology Development of Estimation Method for Complex Gas-liquid Two-phase Flow in Nuclear Reactors. **2006**, 1, 213-222
- 323 Fractal Dimension Analysis of Gustatory Electroencephalograms in Humans. **2007**, 127, 1780-1786
- 322 Computational Studies in Nonlinear Dynamics. 177-270
- 321 Biological Rhythm Based Wearable Sleep State Observer. **2007**, 11, 232-241 0
- 320 SOFT COMPUTING AND CHAOS THEORY FOR DISRUPTION PREDICTION IN TOKAMAK REACTORS. **2008**, 28,
- 319 A Dynamical System and Neural Network Perspective of Karachi Stock Exchange. **2008**, 88-99 2
- 318 Nonlinearity and Chaos Testing on South East Asia Countries Capital Markets: A Comparative Study from Indonesia, Philippine and Singapore Capital Market Indices. 0
- 317 A nonlinear method for detecting climate mutation: a case study for summer climate change in China.
- 316 References. **2008**, 303-344

- 315 Encyclopedia of Complexity and Systems Science. **2009**, 3720-3737
- 314 Encyclopedia of Complexity and Systems Science. **2009**, 3827-3846
- 313 Encyclopedia of Complexity and Systems Science. **2009**, 399-416
- 312 Relations Between the Different Parameters of Chaos Analysis and the Largest Lyapunov Exponent in Finger Plethysmograms. **2009**, 45, 141-147 2
- 311 Complex Systems in Finance and Econometrics. **2009**, 636-654
- 310 Discriminating Angry, Happy and Neutral Facial Expression: A Comparison of Computational Models. **2009**, 200-209 0
- 309 Discovery of Structures and Processes in Temporal Data. **2010**, 277-319
- 308 Nonlinear time series analysis. **2010**, 169-177
- 307 Dynamical Analysis of the EEG and Treatment of Human Status Epilepticus by Antiepileptic Drugs. **2010**, 305-315
- 306 Improved Non Linear Time Series Forecasting Using Non Linear Analysis Techniques and RBF Neural Networks for MRS Signals and Chaotic Diode Resonator Circuits. **2010**, 245-256
- 305 Classification of Diabetics with Various Degrees of Autonomic Neuropathy Based on Linear and Nonlinear Features Using Support Vector Machine. **2010**, 42-51 1
- 304 Fractal study on spatial distribution of acoustic emission events of granite specimens by cylindrical covering method. **2010**, 121-127 0
- 303 Nonlinear noise reduction method based on fractal dimension and the local tangent space mean reconstruction. **2010**, 24, 699-704
- 302 Complete Synchronization of Chaotic Oscillations in Coupled Time-Delay Systems. **2011**, 127-138
- 301 Modeling and Generating Organ Pipes Self-Sustained Tones by Using ICA. **2011**, 02, 141-151 1
- 300 Simple Chaotic Electronic Circuits. **2011**, 68-90
- 299 Financial Risk Forecasting with Non-Stationarity. **2011**, 28-50
- 298 Dream Therapy: Correlation of Dream Contents with Encephalographic and Cardiovascular Activations. **2011**, 109-131

- 297 Towards Real-Time Affect Detection Based on Sample Entropy Analysis of Expressive Gesture. **2011**, 527-537 7
- 296 Heart Rate Variability. **2012**, 97-258
- 295 References. 569-580
- 294 ENSEMBLE MODEL PREDICTION. **2011**, 193-206
- 293 Systems of Four Alternately Excited Non-autonomous Oscillators. **2012**, 173-200
- 292 Mathematics of Complexity and Dynamical Systems. **2012**, 537-556
- 291 Fractals in Biology Biology fractals. **2012**, 488-511 1
- 290 Chaos and Multifractality. **2012**, 137-167
- 289 Global Stock Market, Knife-Edge Stability and the Crisis. **2012**, 49-62
- 288 Non-Autonomous Systems of Coupled Self-Oscillators. **2012**, 81-102
- 287 Mathematics of Complexity and Dynamical Systems. **2012**, 606-636
- 286 The Correlation Dimension: A Video Quality Measure. **2012**, 55-64
- 285 Chaotic property analysis of pressure fluctuation for oxygen phase change heat exchanger. **2012**, 61, 150506 4
- 284 Systemische Forschung [ein Methoden] berblick. **2012**, 33-68 5
- 283 THE CORRELATION DIMENSION OF GENERALIZED CANTOR-LIKE SETS. **2012**, 34, 219-230
- 282 Observation of Singularities of Fluctuation in Europium Nitrate Crystal at Low Temperatures. **2012**, 81, 094004 1
- 281 Eddy Current Sensor Signal Processing for Stall Detection. **2013**, 433-460
- 280 Dexterity of Switched Hitting Movement Using Fractal Dimension Analysis. **2013**, 40, 91-108 1

- 279 Encyclopedia of Complexity and Systems Science. **2013**, 1-27
- 278 Practical Approach to Construction of Internal Variables of Complex Self-organized Systems and Its Theoretical Foundation. **2013**, 195-200
- 277 The Dynamics of Propagation Fronts on Sets with a Negative Fractal Dimension. **2013**, 152-158 0
- 276 Vector Fields as the Empirical Correlate of the Spirit(s): A Meta-Pannenbergian Approach to Pneumatological Pluralism. **2013**, 227-242 1
- 275 The identification and forecasting of chaos for natural circulation flow instabilities under rolling motion. **2013**, 62, 144706 1
- 274 Smooth Projective Noise Reduction for Nonlinear Time Series. **2013**, 77-83 1
- 273 Studies on Five Senses Treatment. **2013**, 155-175
- 272 KANSEI Evaluation of Hand-Clapping Animation Utilizing 1/f Fluctuations with Different Chaotic Properties. **2013**, 12, 389-396
- 271 Role of Multifractal Studies in Earthquake Prediction. **2013**, 177-194
- 270 Investigating the Use of Manifold Embedding for Attractor Reconstruction from Time Series. **2014**, 271-283
- 269 Nonlinear Analysis of Guillain Barré Time Series to Elucidate Its Epidemiology. **2013**, 2013, 1-5
- 268 Extraction of nonlinear characteristics from eddy current magnetic field of Al-alloy weld and their classification. **2014**, 63, 134103
- 267 Emotions and Mood States: Modeling, Elicitation, and Classification. **2014**, 9-21
- 266 Applications of Methods and Algorithms of Nonlinear Dynamics in Economics and Finance. **2014**, 1-30
- 265 Conclusions and Discussion on Mood and Emotional-State Recognition Using the Autonomic Nervous System Dynamics. **2014**, 127-138
- 264 Chaotic Analysis of Electroencephalographic Signal for Sleep Quality Measurement. **2014**, 13, 65-70
- 263 Variability periodicity and chaotic property of quasars based on ensemble empirical mode decomposition. **2014**, 63, 049701 3
- 262 Seeking Dynamically Connected Chaotic Variables. **1989**, 129-132

- 261 Analyzing Periodic Saddles in Experimental Strange Attractors. **1989**, 147-154
- 260 Chaotic Attractors in a Model of Neocortex: Dimensionalities of Olfactory Bulb Surface Potentials Are Spatially Uniform and Event Related. **1989**, 158-173 2
- 259 Small clusters: between dynamics and thermodynamics. **1989**, 161-165
- 258 Chaotic Evolution of Migratory Systems. **1989**, 139-163
- 257 Prediction in Chaotic Nonlinear Systems: Time Series Analysis for Aperiodic Evolution. **1990**, 185-237
- 256 Synergetics. New Trends. **1990**, 283-295
- 255 Spatio-Temporal Chaos. **1991**, 85-105
- 254 Fractals. **1991**, 50-59
- 253 A Note on the Detection of Chaos in Medium Sized Time Series. **1991**, 177-181
- 252 The Approach of Synergetics to the Study of Coordination of Rhythms. **1991**, 217-223
- 251 Bifurcation and Chaos in an Enzymatic Membrane System. **1992**, 685-688
- 250 Aperiodic Time Series in Astronomy. **1992**, 349-366
- 249 Survey of Nonlinear Dynamic Modelling in Economics. **1993**, 58-84
- 248 Nearest Neighbor Forecasts of Precious Metal Rates of Return. **1993**, 238-251
- 247 Nonlinear Evolution of Socioeconomic and Spatial Systems. **1993**, 1-21 1
- 246 Synergetics, Predictability and Deterministic Chaos. **1993**, 75-141 1
- 245 Using Chaos to Understand Biological Dynamics. **1994**, 184-203 1
- 244 Are Time Series From Agricultural Markets Nonlinear? The Case of German Prices. **1995**, 64-121

- 243 Topographie von Attraktoren im Elektroenzephalogramm. **1995**, 796-799
- 242 ??????????????. **1995**, 19, 105-116 5
- 241 Multistability and chaos in a spring-block earthquake model.. **1996**, 46, 85-106
- 240 Suppressing and Controlling Chaos in Spin-Wave Instabilities. **1996**, 381-408
- 239 Spatiotemporal Chaos. **1996**, 99-143
- 238 Die nichtlineare Dynamik des menschlichen Gehirns. Methoden und Anwendungsbeispiele. **1997**, 121-149 1
- 237 Eine methodenorientierte Einführung in die synergetische Psychologie. **1997**, 3-31 4
- 236 Chaotic Oscillations in Real Economic Time Series Data: Evaluation of Logistic Model Fit and Forecasting Performance. **1998**, 73-92
- 235 The role of Lagrangian chaos in the creation of multifractal measures. **1999**, 381-403 4
- 234 Complexity signatures in the geomagnetic H component recorded by the Tromsø magnetometer (70° N, 19° E) over the last 100 century.
- 233 Testing the efficiency market hypothesis for the Colombian stock market. **2014**, 81, 100 1
- 232 Dimensions fractales de réseaux vectoriels : méthodes d'estimation et robustesse des résultats. 0
- 231 Chaos in Fast-Slow Systems. **2015**, 431-475
- 230 A Novel Intrinsic Dimensionality Estimator Based on Rank-Order Statistics. **2015**, 102-117 1
- 229 Pseudo-correlative Dimension of the Electroencephalogram and Its Relation to the Amount of Short-term Memory of the Human. **2015**, 147-163
- 228 Logistic Map. **2015**, 103-107
- 227 Encyclopedia of Complexity and Systems Science. **2015**, 1-28
- 226 Feature Extraction Methods and Manifold Learning Methods. **2015**, 341-386 2

- 225 Analyzing Fluid Flows via the Ergodicity Defect. **2015**, 143-154
- 224 Do the Indian Agricultural Commodities Prices Exhibit Non-Linear Mean Reversion? An Empirical Evidence. **2015**, 05, 332-342
- 223 Fractals. **2015**, 1-53
- 222 A Super-High-Efficiency Algorithm for the Calculation of the Correlation Integral. **2015**, 03, 128-135
- 221 Data Dimensionality Estimation: Achievements and Challenges. **2015**, 87-101
- 220 Analysis and prognostication of changes of concentrations of dioxide of sulphur in the atmosphere of industrial city (on the example of the Gdansk region). **2015**, 37-39
- 219 Nonlinear Mode Decomposition (NMD). **2015**, 59-81
- 218 Encyclopedia of Complexity and Systems Science. **2015**, 1-22
- 217 Chaos and fractal properties of solar activity phenomena at the high and low latitudes. **2015**, 64, 249601 ○
- 216 Spectral characteristics of high latitude raw 40 MHz cosmic noise signals.
- 215 The Prevalence of Weather Unpredictability. **2016**, 407-440
- 214 Multifractal Analysis in the Study of Brain Bioelectric Activity. **2015**, 2015, 81-94
- 213 Visualization of Handwritten Signatures Based on Haptic Information. **2016**, 277-307 2
- 212 Flicker Noise Spectroscopy (FNS) of Dynamics Signals and Its Application in Wear of Oil-Field Compressor Units (OFCU). **2016**, 333-381
- 211 Why Economics Has Not Accomplished What Physics Has?. **2016**, 805-826
- 210 Geometry of a Chaos: Advanced computational approach to treating chaotic dynamics of environmental radioactivity systems II. **2016**, 9,
- 209 Automatic detection of hypernasal speech of children with cleft lip and palate from spanish vowels and words using classical measures and nonlinear analysis. **2016**, 1
- 208 Applications to Rainfall Data. **2017**, 245-266

207 Applications to Other Hydrologic Data. **2017**, 297-319

206 Fundamentals of Chaos Theory. **2017**, 149-171

1

205 Overview. **2017**, 231-244

204 Current Status. **2017**, 343-355

203 Issues in Chaos Identification and Prediction. **2017**, 199-228

202 Modern Nonlinear Time Series Methods. **2017**, 111-145

1

201 Applications to River Flow Data. **2017**, 267-295

1

200 Attractor Density Clustering. **2017**, 139-149

199 Nonlinear Systems Characterization Using Phase Space Density. **2017**, 3-11

198 Chaotic analysis of metallogenic element concentration. **2017**, 115-118

197 A Doubly Stochastic Change Point Detection Algorithm for Noisy Biological Signals.

196 Correlation Dimension-Based Recognition of Simple Juggling Movements. **2018**, 77-84

195 Chronic Diseases with Delayed Onset After Vaccinations and Infections. A Complex Systems Approach to Pathology and Therapy. **2017**, In Press,

194 Historical Development of HRV Analysis. **2017**, 13-74

193 Study on rail fastener failure testing based on fractal theory. **2017**, 14, 208-213

1

192 The New Palgrave Dictionary of Economics. **2018**, 9611-9617

191 Low-Dimensional Spaces for Relating Sensor Signals with Internal Data Structure in a Propulsion System. **2018**, 3, 23-32

0

190 Rationality Rules. **2018**, 219-269

- 189 New generalized chaos-geometric and neural networks approach to nonlinear dynamics of the complex systems. **2018**, 4,
- 188 Local Volterra multivariable chaotic time series multi-step prediction based on phase points clustering. **2018**, 20, 2486-2503 ○
- 187 Mapping the Wall-Region Dynamics of High-Flux Gas-Solid Riser Using Scaling Regions from the Solid Concentration Time Series. **2019**, 11, 74-92
- 186 Chaotic Financial Series Prediction Study Based on Hybrid Model with Neural Network and Reconstructing Phase Space. **2019**, 09, 2386-2393
- 185 Revealing neural correlates of behavior without behavioral measurements. ○
- 184 Evaluating Complexity of Fetal MEG Signals: A Comparison of Different Metrics and Their Applicability.
- 183 Detection of hidden parameters the classification of trends in the analysis of multifractal spectra. **2019**,
- 182 Estimating of the inertial manifold dimension for a chaotic attractor of complex Ginzburg-Landau equation using a neural network. **2019**,
- 181 Symbolic Information Flow Measurement (SIFM): A Software for Measurement of Information Flow Using Symbolic Analysis.
- 180 Investigation of stochastization of optical radiation scattered by graphene nanosheets. **2019**,
- 179 Non-Linear Analysis of Air Pressure Fluctuations During Bubble Departure Synchronisation. **2019**, 13, 158-165 ○
- 178 On application of dynamical system methods in biomedical engineering. **2019**, 26, 52-56
- 177 Modeling active fault systems and seismic events by using a fiber bundle model [Example case: the Northridge aftershock sequence. **2019**, 10, 1519-1540 1
- 176 Methods of Nonlinear Time Series Analysis and Applications: A Review. **2020**, 9-27 ○
- 175 Monitoring of Autonomic Activity by Cardiovascular Variability: How to Measure?. **2020**, 433-449
- 174 Measurement and Analysis of Drillstring Dynamics. **2020**, 139-204
- 173 Criteria («markers») of depression in teenagers based on the estimation of the state of neurodynamics by methods of nonlinear analysis of EEG and correlation with the CDRS-R scale. **2019**, 14, 35-45
- 172 Orta Anadolu Bölgesi ve Civarındaki Depremselliğin Bölge-Zaman-Magnitüde Analizleri ve Güncel Deprem Potansiyeli. **2019**, 1, 148-166

- 153 Recognition of the scale-free interval for calculating the correlation dimension using machine learning from chaotic time series. **2021**, 588, 126563 2
- 152 Intrinsic growth heterogeneity of mouse leukemia cells underlies differential susceptibility to a growth-inhibiting anticancer drug.
- 151 Chaos Theory for Hydrologic Modeling and Forecasting. 199-228
- 150 Beyond the Third Dimension: Searching for the Price Equation. **2006**, 152-157
- 149 Statistical Outliers in Neuron Population and Myelinated Fiber Development in Human Neocortex. **2008**, 203-206
- 148 Multifractal Analysis of Physiological Data: A Non-Subjective Approach. **2009**, 21-32
- 147 Prediction of motor timing using nonlinear analysis of local field potentials. **2007**, 1005-1008
- 146 Changes of EEG of rats after low-frequency rTMS. **2007**, 1063-1066
- 145 A portable neurofeedback system and EEG-analysis methods for evaluation. **2007**, 1167-1169 1
- 144 Dynamical Chaos. **2007**, 109-306 0
- 143 Chaotic Traffic Flows on Two Crossroads Caused by Real-Time Traffic Information. **2007**, 667-673 1
- 142 Analysis of Pi Series and Its Application to Image Encryption. **2007**, 695-703
- 141 Recognizing Facial Expressions: A Comparison of Computational Approaches. **2008**, 1001-1010 0
- 140 Analysis of the Hodgkin-Huxley equations with noise: the effects of noise on chaotic neurodynamics. **2004**, 8, 190-196
- 139 Distinguishing chaos from random fractal sequences by the comparison of forward and backward predictions: utilization of the difference in time reversal symmetry of time series.
- 138 Statistical modeling of three-dimensional fractal point sets with a given spatial probability distribution. **2020**, 26, 245-252 1
- 137 Analysis of Chaos and Predicting the Price of Crude Oil in Ecuador Using Deep Learning Models. **2021**, 318-332
- 136 Fractal-based combined kernel function model for the polyester polymerization process. **2021**,

135 Intrinsic Dimensionality. **2022**, 31-44

134 Dynamics of a driven harmonic oscillator coupled to pairwise interacting Ising spins in random fields.. **2021**, 104, 054212 0

133 Estimating the dimensionality of the manifold underlying multi-electrode neural recordings. **2021**, 17, e1008591 1

132 Automated seismic horizon recognition from seismic data using correlation exponent and its double derivative: a case study of Parihaka field, Offshore Taranaki Basin, New Zealand. **2021**, 42, 1

131 EEG-Based Classification Between Individuals with Mild Cognitive Impairment and Healthy Controls Using Conformal Kernel-Based Fuzzy Support Vector Machine. **2021**, 23, 2432 0

130 A novel ensemble learning method using multiple objective particle swarm optimization for subject-independent EEG-based emotion recognition.. **2021**, 140, 105080 4

~~129~~
~~Nonlinear time series analysis of palaeoclimate proxy records. **2021**, 274, 107245~~

128 Nonlinear time series analysis of palaeoclimate proxy records. **2021**, 274, 107245 3

127 Nonlinear Dynamics of Atomic and Molecular Systems in an Electromagnetic Field: Deterministic Chaos and Strange Attractors. **2021**, 113-123

126 Deterministic Chaos, Bifurcations and Strange Attractors in Nonlinear Dynamics of Relativistic Backward-Wave Tube. **2021**, 125-135

125 Antiphase mode in a Pair of Mackey-Glass Type Generators with Two Delays. **2021**, 54, 145-148

124 Optimal Data Selection Rule Mining for Transformer Condition Assessment. **2021**, 9, 156962-156972 0

123 Chaos, Bifurcations and Strange Attractors in Environmental Radioactivity Dynamics of Some Geosystems. **2021**, 79-88

122 Rationality Rules. **2021**, 317-379

121 Expert system based detection and classification of coronary artery disease using ranking methods and nonlinear attributes. 1 0


120 Value order in disorder. 1 0

119 OUP accepted manuscript. 1

118 Optimal ECG Lead System for Automatic Myocardial Ischemia Detection. **2021**,

117	Manifold-adaptive dimension estimation revisited.. 2022 , 8, e790	
116	Encyclopedia of Mathematical Geosciences. 2022 , 1-13	0
115	Acoustic emission characteristics and fractal evolution of rock splitting and failure processes under different loading rates. 2022 , 15, 1	1
114	A nonlinear prediction model for Chinese speech signal based on RBF neural network. 2022 , 81, 5033	2
113	Automated ECG multi-class classification system based on combining deep learning features with HRV and ECG measures. 1	3
112	Prediction of environmental missing data time series by Support Vector Machine Regression and Correlation Dimension estimation. 2022 , 150, 105343	2
111	Symmetric positive definite manifold learning and its application in fault diagnosis.. 2021 , 147, 163-174	1
110	Rigorous Predictive Noise Modeling Approach for Model-Based Onset Detection and Enhanced Picking of P-Waves in Seismic Signals. 2022 , 10, 31084-31102	
109	A Multiscale Partition-Based Kolmogorov-Sinai Entropy for the Complexity Assessment of Heartbeat Dynamics.. 2022 , 9,	0
108	Association between forecasting models precision and nonlinear patterns of daily river flow time series. 1	2
107	1. The Distance Function Optimization for the Near Neighbors-based Classifiers.	
106	Explainable machine learning for memory-related decoding via TabNet and non-linear features*. 2022 ,	
105	Topological synchronization of chaotic systems.. 2022 , 12, 2508	1
104	Identification of Strata from Irregularities in Well Logs Using Chaos Quantifiers. 2022 , 1-12	
103	Contribution of Cardiorespiratory Coupling to the Irregular Dynamics of the Human Cardiovascular System. 2022 , 10, 1088	0
102	Transition from order to chaos in reduced quantum dynamics.. 2022 , 105, 034201	0
101	Novel PehlivanDiyarlı Chaotic System Variants and their CFOA Based Realization.	0
100	Optimal state space reconstruction via Monte Carlo decision tree search. 2022 , 108, 1525-1545	3

99	Correlation integral vs. second order factorial moments and an efficient computational technique. 2022 , 82, 1	0
98	Chaos-directed genetic algorithms for water distribution network design: an enhanced search method. 1	2
97	The Existence of Autonomous Chaos in EDM Process. 2022 , 10, 252	0
96	Rocard's 1941 Chaotic Relaxation Econometric Oscillator. 2022 , 32,	3
95	Multi-affine visible height correlation analysis for revealing rich structures of fractal time series. 2022 , 157, 111893	0
94	Persistence in complex systems. 2022 , 957, 1-73	1
93	nNUMERICAL PRECURSORY STUDY ON STRONG EARTHQUAKES IN SOUTHERN AND BAJA CALIFORNIA. 2022 , 100066	0
92	State space reconstruction techniques and the accuracy of prediction. 2022 , 111, 106422	1
91	Partial discharges in electrical trees grown at 0.1 (VLF) and 50 Hz analyzed using PRPD and NLTS. 2021 ,	0
90	Toward automated extraction and characterization of scaling regions in dynamical systems.. 2021 , 31, 123102	0
89	Chaotic Features of Decomposed Time Series from Tidal River Water Level. 2022 , 12, 199	0
88	Study the accuracy of the correlation fractal dimension estimation. 1-15	1
87	Hypertension and Stroke Cardiovascular Control Evaluation by Analyzing Blood Pressure, Cerebral Blood Flow, Blood Vessel Resistance and Baroreflex.. 2021 , 9, 731882	0
86	A High-Quality Entropy Source Using van der Waals Heterojunction for True Random Number Generation.. 2022 ,	0
85	Mitochondrial DNA Profiling by Fractal Lacunarity to Characterize the Senescent Phenotype as Normal Aging or Pathological Aging. 2022 , 6, 219	0
84	Relationship between chaotic vibrations and acoustic properties of percussion cymbals. 2022 , 14, 100419	0
83	Data_Sheet_1.PDF. 2019 ,	0
82	Table_1.DOCX. 2019 ,	0

- 81 Data_Sheet_1.pdf. **2020**,
- 80 Table_1.XLSX. **2020**,
- 79 A Junk-Neuron-Deletion Strategy for Hyperparameter Optimization of Neural Networks. **2022**,
- 78 Li-Yorke chaotic property of cookie-cutter systems. **2022**, 7, 13192-13207
- 77 Seismic Sources and Their Statistics: An Application to Kachchh Rift Basin (India). **2022**, 181-186
- 76 Extracting governing system for the plastic deformation of metallic glasses using machine learning. **2022**, 65, 1 ○
- 75 Multifractal measures of the 2021 earthquake swarm in Hualien, Taiwan. **2022**, 33, ○
- 74 . **2010**, ○
- 73 A steady-state analysis of distribution networks by diffusion-limited-aggregation and multifractal geometry. **2022**, 127552
- 72 Analysis of Chaotic Characteristics of Ship Radiated Noise Signals with Different Data Lengths. **2022**,
- 71 NoLiTiA: An Open-Source Toolbox for Non-linear Time Series Analysis. 16, ○
- 70 Mechanical properties and acoustic emission response of cemented tailings backfill under variable angle shear. **2022**, 343, 128114 1
- 69 Distinct Structural Patterns of the Human Brain: A Caveat for Registration. **2022**, 67-71
- 68 Gait analysis under the lens of statistical physics. **2022**, 20, 3257-3267
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- 66 Gorkha earthquake (MW7.8) and aftershock sequence: A fractal approach. **2022**, 35, 193-204
- 65 Analysis and chaos synchronization of Genesio-Tesi system applying sliding mode control techniques.
- 64 The information entropy and fractal characteristics of acoustic emissions during wood damage and fracture. 1

- 63 Transition to the chaotic state of convective flows on the hot cone.
- 62 The Dynamics of Homogeneous Oxidation of Cysteine in the Presence of Oxygenated Complexes of Cobalt(II) with o-Disalicylidene-Phenylenediamine and Cytosine in a Reactor with Mixing. **2022**, 77, 197-201
- 61 High-complex chaotic system based on new nonlinear function and OTA-based circuit realization. **2022**, 162, 112536
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- 58 Rdimtools: An R package for dimension reduction and intrinsic dimension estimation. **2022**, 14, 100414
- 57 Do the global grain spot markets exhibit multifractal nature?. **2022**, 164, 112663
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- 52 Modelling the perception of music in brain network dynamics. 2,
- 51 Using missing dispersion patterns to detect determinism and nonlinearity in time series data.
- 50 Effects of a body manipulation of Japanese martial arts on interpersonal correlation of postural sway. **2022**, 17, e0274294
- 49 Chaos Analysis Framework: How to Safely Identify and Quantify Time-Series Dynamics.
- 48 Statistical Evidence for Small-scale Interchange Reconnection at a Coronal Hole Boundary. **2022**, 937, L19
- 47 Beyond Wilson-Rowan dynamics: oscillations and chaos without inhibition.
- 46 Common population codes produce extremely nonlinear neural manifolds.

- 45 Typhoon complexity: Northwest Pacific tropical cyclone season complex systems analysis. ○
- 44 Selection of a Dimensionality Reduction Method: An Application to Deal with High-Dimensional Geostatistical Realizations in Oil Reservoirs. **2022**, 1-19 ○
- 43 Percolation of co-continuous domains in tapered copolymer networks. ○
- 42 Seismic Analysis of a Multiscale Discrete Fracture System. **2022**, 2, 240-245 ○
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- 33 Multifractal time evolution for intraplate earthquakes recorded in southern Norway during 1980-2021. **2023**, 167, 113000 ○
- 32 Novel image encryption scheme based on chaotic signals with finite-precision error. **2023**, 621, 782-798 2
- 31 Stationarity in Partial Discharge Time Series of Electrical Trees. **2022**, ○
- 30 Machine Learning Models for Weight-Bearing Activity Type Recognition Based on Accelerometry in Postmenopausal Women. **2022**, 22, 9176 ○
- 29 Application of a Novel Local Dynamic Weakening Model Coupled with Smooth-joint Contact in the Simulation of Fault Ruptures and Laboratory Earthquakes. ○
- 28 Chaos arising from the hydrological behaviour of a floodplain river during the last century. ○

- 27 Comparative Analysis of Correlation and Kaplan-Meier Dimensions for Discrete-Time Fractional Systems. **2022**, 32, ○
- 26 Scaling Invariance of Spatial Autocorrelation in Urban Landscape. ○
- 25 Uncomputably complex renormalisation group flows. **2022**, 13, ○
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- 23 Fractal Characteristics of the Seismic Swarm Succeeding the 2015 Gorkha Earthquake, Nepal. ○
- 22 Scale-free chaos in the confined Vicsek flocking model. **2023**, 107, ○
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- 20 Effects of Motor Task Difficulty on Postural Control Complexity during Dual Tasks in Young Adults: A Nonlinear Approach. **2023**, 23, 628 ○
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- 17 Machine learning-aided detection of heart failure (LVEF $\geq 49\%$) by using ballistocardiography and respiratory effort signals. 13, ○
- 16 Statistical Inference Theory Using Finite and Noisy Data Sets. **1990**, ○
- 15 Visual and Quantitative Analyses of Virus Genomic Sequences using a Metric-based Algorithm. **2022**, 21, 323-348 ○
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- 13 Has machine learning over-promised in healthcare?. **2023**, 139, 102524 ○
- 12 Three invariants of strange attractors derived through hypergeometric entropy. **2023**, 170, 113392 ○
- 11 CD-ROM: Complemented Deep - Reduced order model. **2023**, 410, 115985 ○
- 10 Two-channel EEG based diagnosis of panic disorder and major depressive disorder using machine learning and non-linear dynamical methods. **2023**, 332, 111641 ○

- 9 Dissipative Systems. **2022**, 103-152 ○
- 8 Using scaling-region distributions to select embedding parameters. **2023**, 446, 133674 ○
- 7 A Novel Lower-Limb Coordination Assessment Scheme Using Multi-Scale Nonlinear Coupling Characteristics With sEMG. **2023**, 72, 1-11 ○
- 6 Scale dependence of fractal dimension in deterministic and stochastic Lorenz-63 systems. **2023**, 33, 023144 ○
- 5 The Role of EEG as Neuro-Markers for Patients with Depression: A Systematic Review. **2023**, 53-81 ○
- 4 A hydrodynamic interaction between gas bubbles departed in liquid and gas supply system. ○
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- 2 A Brief Introductory Note on the Possible Chaotic Dynamics of the Muon Time Series of Cosmic Rays Measured at Sea Level by a Simple GMT Detector. **2023**, 15, 659 ○
- 1 FRACTAL RADIOPHYSICS. Part 2. FRACTAL AND MULTIFRACTAL ANALYSIS METHODS OF SIGNALS AND PROCESSES. **2023**, 28, 5-70 ○