

# Till D Frank

## List of Publications by Year in descending order

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150  
papers

2,891  
citations

230014

27  
h-index

232693

48  
g-index

158  
all docs

158  
docs citations

158  
times ranked

1391  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-coronavirus-2 infections: biological instabilities characterized by order parameters. <i>Physical Biology</i> , 2022, , .	0.8	2
2	Nonlinear Physics of Epidemics: Part C. Understanding Complex Systems, 2022, , 169-192.	0.3	0
3	Epidemiological Models and COVID-19 Epidemics. <i>Understanding Complex Systems</i> , 2022, , 53-81.	0.3	0
4	Model-Based Reproduction Numbers. <i>Understanding Complex Systems</i> , 2022, , 193-216.	0.3	0
5	Characterizing stages of COVID-19 epidemics: a nonlinear physics perspective based on amplitude equations. <i>European Physical Journal: Special Topics</i> , 2022, , 1-16.	1.2	3
6	Eigenvalue analysis of SARS-CoV-2 viral load data: illustration for eight COVID-19 patients. <i>International Journal of Data Science and Analytics</i> , 2022, , 1-10.	2.4	2
7	Photon entanglement on a chip, optical instability, and Haken's Zwanzig model. <i>Physica D: Nonlinear Phenomena</i> , 2021, 415, 132760.	1.3	3
8	Swift-Hohenberg Model of Liquid Artificial Humans Mimicking Human Graded Reactions. <i>Nonlinear Phenomena in Complex Systems</i> , 2021, 24, 56-70.	0.1	2
9	COVID-19 outbreaks follow narrow paths: A computational phase portrait approach based on nonlinear physics and synergetics. <i>International Journal of Modern Physics C</i> , 2021, 32, 2150110.	0.8	8
10	SEIR order parameters and eigenvectors of the three stages of completed COVID-19 epidemics: with an illustration for Thailand January to May 2020. <i>Physical Biology</i> , 2021, 18, 046002.	0.8	11
11	Rise and Decay of the COVID-19 Epidemics in the USA and the State of New York in the First Half of 2020: A Nonlinear Physics Perspective Yielding Novel Insights. <i>BioMed Research International</i> , 2021, 2021, 1-12.	0.9	4
12	SARS-Coronavirus-2 Nonlinear Dynamics in Patients: Three-Dimensional State and Amplitude Space Descriptions. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 073802.	0.7	7
13	On the Search for Brain Bifurcation Parameters: Lessons From fMRI Studies on Visual Illusions. <i>Biophysical Reviews and Letters</i> , 2021, 16, 77-93.	0.9	0
14	Polyrhythmic multifrequency synchronization in coupled oscillators with exactly solvable attractors. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150047.	1.0	1
15	Amplitude Equations and Bifurcation Diagrams for Multifrequency Synchronization of Canonical-Dissipative Oscillators. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050101.	0.7	2
16	COVID-19 interventions in some European countries induced bifurcations stabilizing low death states against high death states: An eigenvalue analysis based on the order parameter concept of synergetics. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110194.	2.5	14
17	COVID-19 ORDER PARAMETERS AND ORDER PARAMETER TIME CONSTANTS OF ITALY AND CHINA: A MODELING APPROACH BASED ON SYNERGETICS. <i>Journal of Biological Systems</i> , 2020, 28, 589-608.	0.5	18
18	SIMPLICITY FROM COMPLEXITY: ON THE SIMPLE AMPLITUDE DYNAMICS UNDERLYING COVID-19 OUTBREAKS IN CHINA. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2020, 23, 2050022.	0.9	9

#	ARTICLE	IF	CITATIONS
19	Determinisms of Behavior and Synergetics. , 2020, , 309-342.		1
20	Complex Dynamical Systems in Human Development. Complexity, 2019, 2019, 1-3.	0.9	2
21	Simplified P-representation operator correspondence applied to quantum systems with generalized Kerr nonlinearity. Modern Physics Letters B, 2019, 33, 1950340.	1.0	1
22	Determinism and Self-Organization of Human Perception and Performance. Springer Series in Synergetics, 2019, , .	0.2	18
23	Embodied gestalts: Unstable visual phenomena become stable when they are stimuli for competitive action selection. Attention, Perception, and Psychophysics, 2019, 81, 2330-2342.	0.7	7
24	Pattern Formation. Springer Series in Synergetics, 2019, , 99-165.	0.2	0
25	From Self-Organizing Systems to Pattern Formation Systems. Springer Series in Synergetics, 2019, , 63-97.	0.2	0
26	Restructuring Humans and Animals. Springer Series in Synergetics, 2019, , 375-406.	0.2	0
27	Pattern Formation and Continuous Reactions. Springer Series in Synergetics, 2019, , 347-373.	0.2	0
28	Pattern Formation of Ordinary States. Springer Series in Synergetics, 2019, , 203-269.	0.2	0
29	Pattern Formation of Grand States. Springer Series in Synergetics, 2019, , 271-346.	0.2	0
30	Applications in Clinical Psychology. Springer Series in Synergetics, 2019, , 407-465.	0.2	0
31	A cluster phase analysis for collective behavior in team sports. Human Movement Science, 2018, 59, 96-111.	0.6	26
32	Entanglement near the optical instability point in damped four wave mixing systems. Physica Scripta, 2018, 93, 065102.	1.2	2
33	Correlations Between Hysteretic Categorical and Continuous Judgments of Perceptual Stimuli Supporting a Unified Dynamical Systems Approach to Perception. Perception, 2018, 47, 44-66.	0.5	11
34	Determinisms of Behavior and Synergetics. , 2018, , 1-34.		1
35	Active and Purely Dissipative Nambu Systems in General Thermostatistical Settings Described by Nonlinear Partial Differential Equations Involving Generalized Entropy Measures. Entropy, 2017, 19, 8.	1.1	10
36	Unstable Modes and Order Parameters of Bistable Signaling Pathways at Saddle-Node Bifurcations: A Theoretical Study Based on Synergetics. Advances in Mathematical Physics, 2016, 2016, 1-7.	0.4	8

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37	Three-factor models versus time series models: quantifying time-dependencies of interactions between stimuli in cell biology and psychobiology for short longitudinal data. <i>Mathematical Medicine and Biology</i> , 2016, 34, dqw001.	0.8	0
38	Formal Derivation of Lotkaâ€“Volterraâ€“Haken Amplitude Equations of Task-Related Brain Activity in Multiple, Consecutively Performed Tasks. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650164.	0.7	19
39	A SYNERGETIC GAIT TRANSITION MODEL FOR HYSTERETIC GAIT TRANSITIONS FROM WALKING TO RUNNING. <i>Journal of Biological Systems</i> , 2016, 24, 51-61.	0.5	14
40	Reaction kinetics of the jasmonate-isoleucine complex formation during wound-induced plant defense responses: A model-based re-analysis of published data. <i>Journal of Plant Physiology</i> , 2016, 206, 103-113.	1.6	0
41	Body-scaled perception is subjected to adaptation when repetitively judging opportunities for grasping. <i>Experimental Brain Research</i> , 2016, 234, 2731-2743.	0.7	9
42	In-phase and anti-phase synchronization in an active Nambu mechanics system. <i>Acta Mechanica</i> , 2016, 227, 2703-2717.	1.1	4
43	Front waves in the early RNA world: The SchlÃ¶gl model and the logistic growth model. <i>Journal of Theoretical Biology</i> , 2016, 392, 62-68.	0.8	0
44	On a Fitzhughâ€“Nagumo type model for the pulse-like jasmonate defense response in plants. <i>Mathematical Biosciences</i> , 2016, 273, 80-90.	0.9	5
45	Coarse-Grained Order Parameter Dynamics of the Synergetic Computer and Multistable Perception in Schizophrenia. <i>Understanding Complex Systems</i> , 2016, , 247-262.	0.3	1
46	Perception adapts via top-down regulation to task repetition: A Lotkaâ€“Volterraâ€“Haken modeling analysis of experimental data. <i>Journal of Integrative Neuroscience</i> , 2016, 15, 67-79.	0.8	13
47	Non-equilibrium thermodynamical description of rhythmic motion patterns of active systems: A canonical-dissipative approach. <i>BioSystems</i> , 2015, 128, 26-36.	0.9	11
48	Symmetry and order parameter dynamics of the human odometer. <i>Biological Cybernetics</i> , 2015, 109, 63-73.	0.6	12
49	Interplay between order-parameter and system parameter dynamics: considerations on perceptual-cognitive-behavioral mode-mode transitions exhibiting positive and negative hysteresis and on response times. <i>Journal of Biological Physics</i> , 2015, 41, 257-292.	0.7	20
50	Order-disorder transitions in time-discrete mean field systems with memory: a novel approach via nonlinear autoregressive models. <i>Physica Scripta</i> , 2015, 90, 055202.	1.2	0
51	Nonequilibrium Thermodynamic State Variables of Human Self-Paced Rhythmic Motions: Canonical-Dissipative Approach, Augmented Langevin Equation, and Entropy Maximization. <i>Open Systems and Information Dynamics</i> , 2015, 22, 1550007.	0.5	4
52	On the Interplay between Order Parameter Dynamics and System Parameter Dynamics in Human Perceptual-Cognitive-Behavioral Systems. <i>Nonlinear Dynamics, Psychology, and Life Sciences</i> , 2015, 19, 111-46.	0.2	3
53	Decision-Making in Physical Intelligent Systems Regulated by Growth Rate Factors. <i>Journal of Computer and Information Science</i> , 2014, 7, 55.	0.2	1
54	Quantum Theoretical Approach to the Integrate-and-Fire Model of Human Decision Making. <i>International Journal of Psychological Studies</i> , 2014, 6, .	0.1	0

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55	Secondary Bifurcations in a Lotka-Volterra Model for N Competitors with Applications to Action Selection and Compulsive Behaviors. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450156.	0.7	18
56	Minimalistic model for navigation of mobile robots around obstacles based on complex-number calculus and inspired by human navigation behavior. <i>Mathematics and Computers in Simulation</i> , 2014, 97, 108-122.	2.4	5
57	A nonlinear physics model based on extended synergetics for the flow of infant actions during infant-mother face-to-face communications. <i>International Journal of Scientific World</i> , 2014, 2, 62-74.	3.0	7
58	Action Flow in Obsessive-Compulsive Disorder Rituals: a model based on Extended Synergetics and a Comment on the 4th Law. <i>Journal of Advances in Physics</i> , 2014, 5, 845-853.	0.2	8
59	Multistable Perception in Schizophrenia: A Model-based Analysis via Coarse-grained Order Parameter Dynamics and a Comment on the 4th Law. <i>Universal Journal of Psychology</i> , 2014, 2, 231-240.	0.3	9
60	A limit cycle oscillator model for cycling mood variations of bipolar disorder patients derived from cellular biochemical reaction equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 2107-2119.	1.7	25
61	Negative hysteresis in the behavioral dynamics of the affordance "graspable". <i>Attention, Perception, and Psychophysics</i> , 2013, 75, 1075-1091.	0.7	35
62	CANONICAL-DISSIPATIVE NONEQUILIBRIUM ENERGY DISTRIBUTIONS: PARAMETER ESTIMATION VIA IMPLICIT MOMENT METHOD, IMPLEMENTATION AND APPLICATION. <i>International Journal of Modern Physics B</i> , 2013, 27, 1350156.	1.0	4
63	Optical Bistability Investigation in a Nonlinear Silicon Microring Circuit. <i>Journal of Lightwave Technology</i> , 2013, 31, 1101-1105.	2.7	9
64	Balance affects prism adaptation: evidence from the latent aftereffect. <i>Experimental Brain Research</i> , 2013, 231, 425-432.	0.7	2
65	Strongly Nonlinear Stochastic Processes in Physics and the Life Sciences. <i>ISRN Mathematical Analysis</i> , 2013, 2013, 1-28.	0.3	13
66	ON STRONGLY NONLINEAR AUTOREGRESSIVE MODELS: IMPLICATIONS FOR THE THEORY OF TRANSIENT AND STATIONARY RESPONSES OF MANY-BODY SYSTEMS. <i>Fluctuation and Noise Letters</i> , 2013, 12, 1350022.	1.0	1
67	Effective Single-Step Posttranscriptional Dynamics Allowing for a Direct Maximum Likelihood Estimation of Transcriptional Activity and the Quantification of Sources of Gene Expression Variability with an Illustration for the Hypoxia and TNF $\alpha$ Regulated Inflammatory Pathway. <i>ISRN Computational Biology</i> , 2013, 2013, 1-11.	0.3	1
68	Measuring group synchrony: a cluster-phase method for analyzing multivariate movement time-series. <i>Frontiers in Physiology</i> , 2012, 3, 405.	1.3	57
69	Nambu Bracket Formulation of Nonlinear Biochemical Reactions Beyond Elementary Mass Action Kinetics. <i>Journal of Nonlinear Mathematical Physics</i> , 2012, 19, 81.	0.8	3
70	Multistable Pattern Formation Systems: Candidates for Physical Intelligence?. <i>Ecological Psychology</i> , 2012, 24, 220-240.	0.7	25
71	Catching transcriptional regulation by thermostistical modeling. <i>Physical Biology</i> , 2012, 9, 045007.	0.8	7
72	Symmetry axiom of Haken-Kelso-Bunz coordination dynamics revisited in the context of cognitive activity. <i>Journal of Mathematical Psychology</i> , 2012, 56, 149-165.	1.0	9

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73	Oscillatory nonequilibrium Nambu systems: the canonical-dissipative Yamaleev oscillator. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	15
74	Versatility of Cooperative Transcriptional Activation: A Thermodynamical Modeling Analysis for Greater-Than-Additive and Less-Than-Additive Effects. <i>PLoS ONE</i> , 2012, 7, e34439.	1.1	16
75	NF $\kappa$ B and HIF display synergistic behaviour during hypoxic inflammation. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 1319-1329.	2.4	72
76	Symmetry Breaking Analysis of Prism Adaptation's Latent Aftereffect. <i>Cognitive Science</i> , 2012, 36, 674-697.	0.8	5
77	From the W-Method to the Canonical-Dissipative Method for Studying Uni-Manual Rhythmic Behavior. <i>Motor Control</i> , 2011, 15, 550-567.	0.3	14
78	Nonlinear physics approach to RNA cross-replication: Marginal stability, generalized logistic growth, and impacts of degradation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 3851-3857.	0.9	5
79	Behavioral dynamics of the affordance "graspable". <i>Attention, Perception, and Psychophysics</i> , 2011, 73, 1948-1965.	0.7	43
80	Unifying mass-action kinetics and Newtonian mechanics by means of Nambu brackets. <i>Journal of Biological Physics</i> , 2011, 37, 375-385.	0.7	6
81	Fractional Brownian motion analysis does not provide evidence for neurophysiologic feedback mechanisms: a comment on "White matter hyperintensities and dynamics of postural control". <i>Magnetic Resonance Imaging</i> , 2011, 29, 887-888.	1.0	1
82	Stochastic Processes and Mean Field Systems Defined by Nonlinear Markov Chains: An Illustration for a Model of Evolutionary Population Dynamics. <i>Brazilian Journal of Physics</i> , 2011, 41, 129-134.	0.7	3
83	Multistable selection equations of pattern formation type in the case of inhomogeneous growth rates: With applications to two-dimensional assignment problems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1465-1469.	0.9	10
84	VIRIAL THEOREM AND NON-EQUILIBRIUM CANONICAL-DISSIPATIVE DISTRIBUTIONS CHARACTERIZING PARKINSON TREMOR. <i>International Journal of Modern Physics B</i> , 2011, 25, 243-253.	1.0	4
85	COLLECTIVE BEHAVIOR OF BIOPHYSICAL SYSTEMS WITH THERMODYNAMIC FEEDBACK LOOPS: A CASE STUDY FOR A NONLINEAR MARKOV MODEL " THE TAKATSUJI SYSTEM. <i>Modern Physics Letters B</i> , 2011, 25, 551-568.	1.0	4
86	MICRO-DYNAMIC ASSOCIATED WITH TWO-STATE NONLINEAR MARKOV PROCESSES: WITH AN APPLICATION TO FREE RECALL. <i>Fluctuation and Noise Letters</i> , 2011, 10, 41-58.	1.0	2
87	Active systems with Nambu dynamics: with applications to rod welding for haptic length perception and self-propagating systems on two-spheres. <i>European Physical Journal B</i> , 2010, 74, 195-203.	0.6	17
88	On a test statistic for the Kuramoto order parameter of synchronization: An illustration for group synchronization during rocking chairs. <i>Physica D: Nonlinear Phenomena</i> , 2010, 239, 2084-2092.	1.3	52
89	On a multistable dynamic model of behavioral and perceptual infant development. <i>Developmental Psychobiology</i> , 2010, 52, 352-371.	0.9	20
90	A Fokker-Planck approach to canonical-dissipative Nambu systems: With an application to human motor control during dynamic haptic perception. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 3136-3142.	0.9	14

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91	ON A MOMENT-BASED DATA ANALYSIS METHOD FOR CANONICAL-DISSIPATIVE OSCILLATORY SYSTEMS. Fluctuation and Noise Letters, 2010, 09, 69-87.	1.0	15
92	NUMERIC AND EXACT SOLUTIONS OF THE NONLINEAR CHAPMAN-KOLMOGOROV EQUATION: A CASE STUDY FOR A NONLINEAR SEMI-GROUP MARKOV MODEL. International Journal of Modern Physics B, 2009, 23, 3829-3843.	1.0	1
93	On the linear discrepancy model and risky shifts in group behavior: a nonlinear Fokker-Planck perspective. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 155001.	0.7	7
94	Nonextensive cutoff distributions of postural sway for the old and the young. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 2503-2510.	1.2	8
95	Parametric solution method for self-consistency equations and order parameter equations derived from nonlinear Fokker-Planck equations. Physica D: Nonlinear Phenomena, 2009, 238, 1186-1196.	1.3	4
96	Nonlinear attractor dynamics in the fundamental and extended prism adaptation paradigm. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1022-1030.	0.9	9
97	Order Parameter Dynamics of Body-scaled Hysteresis and Mode Transitions in Grasping Behavior. Journal of Biological Physics, 2009, 35, 127-147.	0.7	56
98	Chaos from nonlinear Markov processes: Why the whole is different from the sum of its parts. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4241-4247.	1.2	4
99	On a multistable competitive network model in the case of an inhomogeneous growth rate spectrum: With an application to priming. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4127-4133.	0.9	24
100	Deterministic and stochastic components of nonlinear Markov models with an application to decision making during the bailout votes 2008 (USA). European Physical Journal B, 2009, 70, 249-255.	0.6	4
101	Linear and Non-linear Fokker-Planck Equations. , 2009, , 5239-5265.		6
102	Portfolio theory of optimal isometric force production: Variability predictions and nonequilibrium fluctuation-dissipation theorem. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3562-3568.	0.9	9
103	A quantitative dynamical systems approach to differential learning: self-organization principle and order parameter equations. Biological Cybernetics, 2008, 98, 19-31.	0.6	67
104	Nonlinear Markov processes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4553-4555.	0.9	19
105	Nonlinear Markov processes: Deterministic case. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6235-6239.	0.9	10
106	A nonextensive thermostistical approach to the H $\ddot{a}$ ssinski theory of accelerator beams. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4828-4838.	1.2	9
107	Markov chains of nonlinear Markov processes and an application to a winner-takes-all model for social conformity. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 282001.	0.7	14
108	EXACT SOLUTIONS AND MONTE CARLO SIMULATIONS OF SELF-CONSISTENT LANGEVIN EQUATIONS: A CASE STUDY FOR THE COLLECTIVE DYNAMICS OF STOCK PRICES. International Journal of Modern Physics B, 2007, 21, 1099-1112.	1.0	6

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109	On a leveraging effect of weak azimuthal inhomogeneities explaining the nonuniqueness of critical Maier-Saupe order parameters. <i>Phase Transitions</i> , 2007, 80, 967-980.	0.6	0
110	Kramers's Moyal expansion for stochastic differential equations with single and multiple delays: Applications to financial physics and neurophysics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 360, 552-562.	0.9	21
111	A data-analysis method for identifying differential effects of time-delayed feedback forces and periodic driving forces in stochastic systems. <i>European Physical Journal B</i> , 2007, 60, 203-215.	0.6	3
112	Time-dependent solutions for stochastic systems with delays: Perturbation theory and applications to financial physics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 357, 275-283.	0.9	16
113	Theoretical analysis of destabilization resonances in time-delayed stochastic second-order dynamical systems and some implications for human motor control. <i>Physical Review E</i> , 2006, 73, 021901.	0.8	25
114	Stochastic order parameter equation of isometric force production revealed by drift-diffusion estimates. <i>Physical Review E</i> , 2006, 74, 051905.	0.8	27
115	Smoluchowski approach to nonlinear Vlasov-Fokker-Planck equations: Stability analysis of beam dynamics and Haasinski theory. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2006, 9, .	1.8	4
116	Modelling the stochastic single particle dynamics of relativistic fermions and bosons using nonlinear drift-diffusion equations. <i>Mathematical and Computer Modelling</i> , 2005, 42, 1057-1062.	2.0	8
117	Short-time correlations of many-body systems described by nonlinear Fokker-Planck equations and Vlasov-Fokker-Planck equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 337, 224-234.	0.9	14
118	On the characterization of nanoporous materials by means of empirical and intrinsic transport coefficients. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 221-223.	2.8	2
119	Delay Fokker-Planck equations, perturbation theory, and data analysis for nonlinear stochastic systems with time delays. <i>Physical Review E</i> , 2005, 71, 031106.	0.8	165
120	On reducible nonlinear time-delayed stochastic systems: fluctuation-dissipation relations, transitions to bistability, and secondary transitions to non-stationarity. <i>Journal of Physics A</i> , 2005, 38, 10069-10083.	1.6	15
121	Delay Fokker-Planck equations, Novikov's theorem, and Boltzmann distributions as small delay approximations. <i>Physical Review E</i> , 2005, 72, 011112.	0.8	168
122	Maier-Saupe model of liquid crystals: Isotropic-nematic phase transitions and second-order statistics studied by Shiino's perturbation theory and strongly nonlinear Smoluchowski equations. <i>Physical Review E</i> , 2005, 72, 041703.	0.8	24
123	TIME SERIES ANALYSIS OF MULTIVARIATE TIME-DELAYED SYSTEMS WITH NOISE: APPLICATIONS TO LASER PHYSICS AND HUMAN MOVEMENT. <i>Stochastics and Dynamics</i> , 2005, 05, 297-306.	0.6	6
124	Critical Fluctuations and $1/f$ -Activity of Neural Fields Involving Transmission Delays. <i>Acta Physica Polonica A</i> , 2005, 108, 1021-1040.	0.2	13
125	Analytical results for fundamental time-delayed feedback systems subjected to multiplicative noise. <i>Physical Review E</i> , 2004, 69, 061104.	0.8	36
126	Classical Langevin equations for the free electron gas and blackbody radiation. <i>Journal of Physics A</i> , 2004, 37, 3561-3567.	1.6	18



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127	On a Nonlinear Master Equation and the Haken-Kelso-Bunz Model. <i>Journal of Biological Physics</i> , 2004, 30, 139-159.	0.7	6
128	Asymptotic properties of nonlinear diffusion, nonlinear drift-diffusion, and nonlinear reaction-diffusion equations. <i>Annalen Der Physik</i> , 2004, 13, 461-469.	0.9	4
129	Dynamic mean field models: H-theorem for stochastic processes and basins of attraction of stationary processes. <i>Physica D: Nonlinear Phenomena</i> , 2004, 195, 229-243.	1.3	13
130	Stochastic feedback, nonlinear families of Markov processes, and nonlinear Fokker-Planck equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 331, 391-408.	1.2	73
131	Autocorrelation functions of nonlinear Fokker-Planck equations. <i>European Physical Journal B</i> , 2003, 37, 139-142.	0.6	23
132	Single particle dynamics of many-body systems described by Vlasov-Fokker-Planck equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 319, 173-180.	0.9	22
133	A note on the Markov property of stochastic processes described by nonlinear Fokker-Planck equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 204-210.	1.2	19
134	Noise-covered drift bifurcation of dissipative solitons in a planar gas-discharge system. <i>Physical Review E</i> , 2003, 67, 056220.	0.8	63
135	Fokker-Planck perspective on stochastic delay systems: Exact solutions and data analysis of biological systems. <i>Physical Review E</i> , 2003, 68, 021912.	0.8	86
136	A MEAN FIELD APPROACH TO SELF-ORGANIZATION IN SPATIALLY EXTENDED PERCEPTION-ACTION AND PSYCHOLOGICAL SYSTEMS. <i>Studies of Nonlinear Phenomena in Life Science</i> , 2003, , 159-179.	0.2	3
137	Multivariate Markov processes for stochastic systems with delays: Application to the stochastic Compertz model with delay. <i>Physical Review E</i> , 2002, 66, 011914.	0.8	44
138	Generalized multivariate Fokker-Planck equations derived from kinetic transport theory and linear nonequilibrium thermodynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 305, 150-159.	0.9	35
139	Generalized Fokker-Planck equations derived from generalized linear nonequilibrium thermodynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 310, 397-412.	1.2	67
140	Stability analysis of mean field models described by Fokker-Planck equations. <i>Annalen Der Physik</i> , 2002, 11, 707-716.	0.9	8
141	Generalized thermostatics based on the Sharma-Mittal entropy and escort mean values. <i>European Physical Journal B</i> , 2002, 30, 543-549.	0.6	38
142	H-theorem for a mean field model describing coupled oscillator systems under external forces. <i>Physica D: Nonlinear Phenomena</i> , 2001, 150, 219-236.	1.3	37
143	Multivariate nonlinear Fokker-Planck equations and generalized thermostatics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 292, 392-410.	1.2	41
144	H-theorem for nonlinear Fokker-Planck equations related to generalized thermostatics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 455-474.	1.2	81

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145	A Langevin approach for the microscopic dynamics of nonlinear Fokker-Planck equations. Physica A: Statistical Mechanics and Its Applications, 2001, 301, 52-62.	1.2	34
146	Exact time-dependent solutions of the Renyi Fokker-Planck equation and the Fokker-Planck equations related to the entropies proposed by Sharma and Mittal. Physica A: Statistical Mechanics and Its Applications, 2000, 285, 351-366.	1.2	85
147	Towards a comprehensive theory of brain activity.. Physica D: Nonlinear Phenomena, 2000, 144, 62-86.	1.3	199
148	Multivariate Ornstein-Uhlenbeck processes with mean-field dependent coefficients: Application to postural sway. Physical Review E, 2000, 63, 011905.	0.8	64
149	Nonlinear Fokker-Planck equations whose stationary solutions make entropy-like functionals stationary. Physica A: Statistical Mechanics and Its Applications, 1999, 272, 497-508.	1.2	72
150	Impacts of noise on a field theoretical model of the human brain. Physica D: Nonlinear Phenomena, 1999, 127, 233-249.	1.3	107