Jinqiao Duan

List of Publications by Year
in descending order

263 papers	4,311 citations	126907 33 h-index	175258 52 g-index
267 all docs	267 docs citations	267 times ranked	1709 citing authors

#	Article	IF	Citations
1	Extracting Governing Laws from Sample Path Data of Non-Gaussian Stochastic Dynamical Systems. Journal of Statistical Physics, 2022, 186, 1.	1.2	13
2	Total value adjustment of Bermudan option valuation under pure jump Lévy fluctuations. Chaos, 2022, 32, 023127.	2.5	5
3	Learning the temporal evolution of multivariate densities via normalizing flows. Chaos, 2022, 32, 033121.	2.5	5
4	Stochastic turbulence for Burgers equation driven by cylindrical Lévy process. Stochastics and Dynamics, 2022, 22, .	1.2	6
5	An Onsager–Machlup approach to the most probable transition pathway for a genetic regulatory network. Chaos, 2022, 32, 041103.	2.5	2
6	Extracting stochastic dynamical systems with α-stable Lévy noise from data. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 023405.	2.3	7
7	An optimal control method to compute the most likely transition path for stochastic dynamical systems with jumps. Chaos, 2022, 32, .	2.5	7
8	An end-to-end deep learning approach for extracting stochastic dynamical systems with **α**-stable Lévy noise. Chaos, 2022, 32, .	2.5	8
9	Variational inference of the drift function for stochastic differential equations driven by Lévy processes. Chaos, 2022, 32, .	2.5	2
10	A machine learning method for computing quasi-potential of stochastic dynamical systems. Nonlinear Dynamics, 2022, 109, 1877-1886.	5.2	6
11	Extracting stochastic governing laws by non-local Kramers–Moyal formulae. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	8
12	Stochastic regularization for transport equations. Stochastics and Partial Differential Equations: Analysis and Computations, 2021, 9, 105-141.	0.9	3
13	Learning and meta-learning of stochastic advection–diffusion–reaction systems from sparse measurements. European Journal of Applied Mathematics, 2021, 32, 397-420.	2.9	22
14	Effective Filtering Analysis for Non-Gaussian Dynamic Systems. Applied Mathematics and Optimization, 2021, 83, 437-459.	1.6	4
15	Global well-posedness of the stochastic Camassa–Holm equation. Communications in Mathematical Sciences, 2021, 19, 607-627.	1.0	7
16	Gibbs Measure for the Higher Order Modified Camassa-Holm Equation. Chinese Annals of Mathematics Series B, 2021, 42, 105-120.	0.4	0
17	Machine learning framework for computing the most probable paths of stochastic dynamical systems. Physical Review E, 2021, 103, 012124.	2.1	19
18	Linear Response Theory for Nonlinear Stochastic Differential Equations with $$alpha$$-Stable Lévy Noises. Journal of Statistical Physics, 2021, 182, 1.	1.2	2

#	Article	IF	Citations
19	On the abrupt change of the maximum likelihood state in a simplified stochastic thermohaline circulation system. Chaos, 2021, 31, 021103.	2.5	3
20	A data-driven approach for discovering stochastic dynamical systems with non-Gaussian LÃ©vy noise. Physica D: Nonlinear Phenomena, 2021, 417, 132830.	2.8	33
21	Stochastic bifurcation for two-time-scale dynamical system with Î±-stable LÃ©vy noise. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 033204.	2.3	6
22	Maximal likely phase lines for a reduced ice growth model. Physica A: Statistical Mechanics and Its Applications, 2021, 569, 125749.	2.6	1
23	Dynamical behavior of a nonlocal Fokkerâ€"Planck equation for a stochastic system with tempered stable noise. Chaos, 2021, 31, 051105.	2.5	2
24	Quantifying model uncertainty for the observed non-Gaussian data by the Hellinger distance. Communications in Nonlinear Science and Numerical Simulation, 2021, 96, 105720.	3.3	1
25	Slow Manifold and Parameter Estimation for a Nonlocal Fast-Slow Dynamical System with Brownian Motion. Acta Mathematica Scientia, 2021, 41, 1057-1080.	1.0	4
26	Dynamics of the Tysonâ€"Hongâ€"Thronâ€"Novak circadian oscillator model. Physica D: Nonlinear Phenomena, 2021, 420, 132869.	2.8	3
27	Estimating the most probable transition time for stochastic dynamical systems. Nonlinearity, 2021, 34, 4543-4569.	1.4	2
28	Lyapunov exponents for Hamiltonian systems under small LÃ©vy-type perturbations. Chaos, 2021, 31, 081101.	2.5	0
29	Double canard cycles in singularly perturbed planar systems. Nonlinear Dynamics, 2021, 105, 3715-3730.	5.2	1
30	Wave-breaking and moderate deviations of the stochastic Camassaâ€"Holm equation with pure jump noise. Physica D: Nonlinear Phenomena, 2021, 424, 132944.	2.8	5
31	Solving Inverse Stochastic Problems from Discrete Particle Observations Using the Fokker--Planck Equation and Physics-Informed Neural Networks. SIAM Journal of Scientific Computing, 2021, 43, B811-B830.	2.8	45
32	Stochastic bifurcation in single-species model induced by Î±-stable LÃ©vy noise. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 103403.	2.3	3
33	Bohmian trajectories of the time-oscillating SchrÃ¶dinger equations. Chaos, 2021, 31, 101101.	2.5	0
34	Discovering governing equation from data for multi-stable energy harvester under white noise. Nonlinear Dynamics, 2021, 106, 2829-2840.	5.2	16
35	Kantorovichâ€"Rubinstein distance and approximation for non-local Fokkerâ€"Planck equations. Chaos, 2021, 31, 111104.	2.5	0
36	Most probable transitions from metastable to oscillatory regimes in a carbon cycle system. Chaos, 2021, 31, 121102.	2.5	3

#	Article	IF	Citations
37	semigroup generated by ∂∞(I̊ ∂∈ +∂∈ b∂∈ ∂⋯∂∈ ∂⁻∄) in \<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML altimg="si1.svg"\>\<mml:msup\>\<mml:mrow\>\<mml:mi\>L\</mml:mi\>\</mml:mrow\>\<mml:mrow\>\<mml:mi\>p\</mml:mi\>\</mml:mrow\>\</mml... stretchy="false"\>(\</mml:mo\>\<mml:msup\>\<mml:mrow\>\<mml:mi) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 731 Td (mathvariant="... 48	1.7	4
38	Nonlocal Dynamics for Non-Gaussian Systems Arising in Biophysical Modeling. Communications on Applied Mathematics and Computation, 2020, 2, 201-213.	1.7	1
39	Mean exit time for stochastic dynamical systems driven by tempered stable Lévy fluctuations. Applied Mathematics Letters, 2020, 102, 106112.	2.7	4
40	Transitions between metastable states in a simplified model for the thermohaline circulation under random fluctuations. Applied Mathematics and Computation, 2020, 369, 124868.	2.2	5
41	Extracting non-Gaussian governing laws from data on mean exit time. Chaos, 2020, 30, 113112.	2.5	10
42	The role of slow manifolds in parameter estimation for a multiscale stochastic system with α-stable Lévy noise. Journal of Mathematical Physics, 2020, 61, 072701.	1.1	2
43	An averaging principle for fractional stochastic differential equations with Lévy noise. Chaos, 2020, 30, 083126.	2.5	16
44	Discovering transition phenomena from data of stochastic dynamical systems with Lévy noise. Chaos, 2020, 30, 093110.	2.5	19
45	Bifurcation in Mean Phase Portraits for Stochastic Dynamical Systems with Multiplicative Gaussian Noise. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050216.	1.7	3
46	Most probable dynamics of stochastic dynamical systems with exponentially light jump fluctuations. Chaos, 2020, 30, 063142.	2.5	11
47	Global solution and blow-up of the stochastic nonlinear Schrödinger system. Journal of Mathematical Physics, 2020, 61, 061504.	1.1	2
48	Particle dynamics and transport enhancement in a confined channel with position-dependent diffusivity. New Journal of Physics, 2020, 22, 053016.	2.9	31
49	State transitions in the Morris-Lecar model under stable Lévy noise. European Physical Journal B, 2020, 93, 1.	1.5	7
50	The tipping times in an Arctic sea ice system under influence of extreme events. Chaos, 2020, 30, 063125.	2.5	20
51	Numerical analysis and applications of Fokker-Planck equations for stochastic dynamical systems with multiplicative α-stable noises. Applied Mathematical Modelling, 2020, 87, 711-730.	4.2	7
52	The maximum likelihood climate change for global warming under the influence of greenhouse effect and Lévy noise. Chaos, 2020, 30, 013132.	2.5	32
53	The Cauchy problem for a two-dimensional generalized Kadomtsev–Petviashvili-I equation in anisotropic Sobolev spaces. Analysis and Applications, 2020, 18, 469-522.	2.2	6
54	Detecting the maximum likelihood transition path from data of stochastic dynamical systems. Chaos, 2020, 30, 113124.	2.5	19

#	Article	IF	Citations
55	Effective wave factorization for a stochastic Schrödinger equation. Physica D: Nonlinear Phenomena, 2020, 411, 132573.	2.8	1
56	Lévy noise induced escape in the Morris–Lecar model. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121785.	2.6	3
57	The Onsager–Machlup function as Lagrangian for the most probable path of a jump-diffusion process. Nonlinearity, 2019, 32, 3715-3741.	1.4	20
58	Discovering mean residence time and escape probability from data of stochastic dynamical systems. Chaos, 2019, 29, 093122.	2.5	15
59	The influences of correlated spatially random perturbations on first passage time in a linear-cubic potential. Chaos, 2019, 29, 101102.	2.5	13
60	Slow manifolds for a nonlocal fast-slow stochastic system with stable Lévy noise. Journal of Mathematical Physics, 2019, 60, .	1.1	7
61	Effects of Lévy noise on the Fitzhugh–Nagumo model: A perspective on the maximal likely trajectories. Journal of Theoretical Biology, 2019, 480, 166-174.	1.7	12
62	Maximum principles for nonlocal parabolic Waldenfels operators. Bulletin of Mathematical Sciences, 2019, 09, 1950015.	0.7	1
63	Slow manifolds for dynamical systems with non-Gaussian stable Lévy noise. Analysis and Applications, 2019, 17, 477-511.	2.2	8
64	Characterization of the most probable transition paths of stochastic dynamical systems with stable Lévy noise. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 063204.	2.3	5
65	Most probable transition pathways and maximal likely trajectories in a genetic regulatory system. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121779.	2.6	15
66	Hamiltonian systems with Lévy noise: Symplecticity, Hamilton's principle and averaging principle. Physica D: Nonlinear Phenomena, 2019, 398, 69-83.	2.8	7
67	White noise driven Ostrovsky equation. Journal of Differential Equations, 2019, 267, 5701-5735.	2.2	3
68	Stochastic nonlocal conservation laws on whole space. Computers and Mathematics With Applications, 2019, 77, 1945-1962.	2.7	1
69	Target search of a protein on DNA in the presence of position-dependent bias. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 033501.	2.3	4
70	Fokker-Planck equation driven by asymmetric Lévy motion. Advances in Computational Mathematics, 2019, 45, 787-811.	1.6	4
71	A novel compact ADI scheme for two-dimensional Riesz space fractional nonlinear reaction–diffusion equations. Applied Mathematics and Computation, 2019, 346, 452-464.	2.2	57
72	Schauder estimates for stochastic transport-diffusion equations with Lévy processes. Journal of Mathematical Analysis and Applications, 2019, 474, 1-22.	1.0	3

#	Article	IF	Citations
73	Most probable dynamics of a genetic regulatory network under stable Lévy noise. Applied Mathematics and Computation, 2019, 348, 425-436.	2.2	24
74	A parameter estimator based on Smoluchowski–Kramers approximation. Applied Mathematics Letters, 2019, 90, 54-60.	2.7	3
75	Centre manifolds for infinite dimensional random dynamical systems. Dynamical Systems, 2019, 34, 334-355.	0.4	4
76	Action Functionals for Stochastic Differential Equations with Lévy Noise. Communications on Stochastic Analysis, 2019, 13, .	0.1	2
77	Forward attraction of pullback attractors and synchronizing behavior of gradient-like systems with nonautonomous perturbations. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 1175-1197.	0.9	2
78	Geometric Methods for Stochastic Dynamical Systems. Interdisciplinary Mathematical Sciences, 2019, , 1-8.	0.4	0
79	A Stochastic Pitchfork Bifurcation in Most Probable Phase Portraits. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850017.	1.7	17
80	A Newton linearized compact finite difference scheme for one class of Sobolev equations. Numerical Methods for Partial Differential Equations, 2018, 34, 1093-1112.	3.6	10
81	Likelihood for transcriptions in a genetic regulatory system under asymmetric stable Lévy noise. Chaos, 2018, 28, 013121.	2.5	15
82	Stability and convergence of compact finite difference method for parabolic problems with delay. Applied Mathematics and Computation, 2018, 322, 129-139.	2.2	12
83	Kinetic Solutions for Nonlocal Scalar Conservation Laws. SIAM Journal on Mathematical Analysis, 2018, 50, 1521-1543.	1.9	5
84	Boundary Blow-up Solutions to Nonlocal Elliptic Systems of Cooperative Type. Annales Henri Poincare, 2018, 19, 2115-2136.	1.7	0
85	A two-level linearized compact ADI scheme for two-dimensional nonlinear reaction–diffusion equations. Computers and Mathematics With Applications, 2018, 75, 2835-2850.	2.7	40
86	Effective filtering on a random slow manifold. Nonlinearity, 2018, 31, 4649-4666.	1.4	8
87	The Cauchy problem for the Ostrovsky equation with positive dispersion. Nonlinear Differential Equations and Applications, 2018, 25, 1.	0.8	8
88	Bounded and unbounded solutions of a discontinuous oscillator at resonance. International Journal of Non-Linear Mechanics, 2018, 105, 146-151.	2.6	5
89	Numerical algorithms for mean exit time and escape probability of stochastic systems with asymmetric Lévy motion. Applied Mathematics and Computation, 2018, 337, 618-634.	2.2	9
90	Lévy noise induced transition and enhanced stability in a gene regulatory network. Chaos, 2018, 28, 075510.	2.5	26

#	Article	IF	Citations
91	Global Well-posedness of the Stochastic Generalized Kuramoto-Sivashinsky Equation with Multiplicative Noise. Acta Mathematicae Applicatae Sinica, 2018, 34, 566-584.	0.7	6
92	Linearized compact ADI schemes for nonlinear time-fractional SchrÃ¶dinger equations. Applied Mathematics Letters, 2018, 84, 160-167.	2.7	58
93	IMPACTS OF NOISE ON ORDINARY DIFFERENTIAL EQUATIONS. Dynamic Systems and Applications, 2018, 27, .	0.2	2
94	Long-time behavior of a class of nonlocal partial differential equations. Discrete and Continuous Dynamical Systems - Series B, 2018, 23, 749-763.	0.9	1
95	Slow manifold for a nonlocal stochastic evolutionary system with fast and slow components. Journal of Differential Equations, 2017, 263, 4870-4893.	2.2	4
96	LÃ©vy noise-induced escape in an excitable system. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 063503.	2.3	27
97	Martingale and weak solutions for a stochastic nonlocal Burgers equation on finite intervals. Journal of Mathematical Analysis and Applications, 2017, 449, 176-194.	1.0	5
98	Existence and regularity of a linear nonlocal Fokkerâ€"Planck equation with growing drift. Journal of Mathematical Analysis and Applications, 2017, 449, 228-243.	1.0	5
99	Metastability for discontinuous dynamical systems under LÃ©vy noise: Case study on Amazonian Vegetation. Scientific Reports, 2017, 7, 9336.	3.3	19
100	Data assimilation and parameter estimation for a multiscale stochastic system with α-stable LÃ©vy noise. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 113401.	2.3	10
101	Derivation of Fokkerâ€"Planck equations for stochastic systems under excitation of multiplicative non-Gaussian white noise. Journal of Mathematical Analysis and Applications, 2017, 446, 786-800.	1.0	6
102	A Wong-Zakai approximation for random invariant manifolds. Journal of Mathematical Physics, 2017, 58, .	1.1	16
103	Behavioral synchronization induced by epidemic spread in complex networks. Chaos, 2017, 27, 063101.	2.5	9
104	Dynamical inference for transitions in stochastic systems with α-stable LÃ©vy noise. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 294002.	2.1	9
105	Transitions in a genetic transcriptional regulatory system under LÃ©vy motion. Scientific Reports, 2016, 6, 29274.	3.3	41
106	Enhancing dynamical robustness in aging networks of coupled nonlinear oscillators. Europhysics Letters, 2016, 114, 40004.	2.0	26
107	Stochastic basins of attraction for metastable states. Chaos, 2016, 26, 073117.	2.5	47
108	On a stochastic nonlocal conservation law in a bounded domain. Bulletin Des Sciences Mathematiques, 2016, 140, 718-746.	1.0	5

#	Article	IF	Citations
109	Stationary measures for stochastic differential equations with jumps. Stochastics, 2016, 88, 864-883.	1.1	3
110	Competition promotes the persistence of populations in ecosystems. Scientific Reports, 2016, 6, 30477.	3.3	0
111	Quantifying model uncertainty in dynamical systems driven by non-Gaussian Lévy stable noise with observations on mean exit time or escape probability. Communications in Nonlinear Science and Numerical Simulation, 2016, 39, 1-6.	3.3	13
112	Fokker–Planck equations for stochastic dynamical systems with symmetric Lévy motions. Applied Mathematics and Computation, 2016, 278, 1-20.	2.2	37
113	Stochastic modeling of nonlinear oscillators under combined Gaussian and Poisson white noise: a viewpoint based on the energy conservation law. Nonlinear Dynamics, 2016, 84, 1311-1325.	5.2	4
114	Smooth solution of a nonlocal Fokker–Planck equation associated with stochastic systems with Lévy noise. Applied Mathematics Letters, 2016, 58, 172-177.	2.7	4
115	Lyapunov exponents of stochastic differential equations driven by Lévy processes. Dynamical Systems, 2016, 31, 136-150.	0.4	2
116	Approximation representation of parameterizing manifold and non-Markovian reduced systems for a stochastic Swift–Hohenberg equation. Applied Mathematics Letters, 2016, 52, 112-117.	2.7	5
117	Most probable dynamics of some nonlinear systems under noisy fluctuations. Communications in Nonlinear Science and Numerical Simulation, 2016, 30, 108-114.	3.3	23
118	Approximation for random stable manifolds under multiplicative correlated noises. Discrete and Continuous Dynamical Systems - Series B, 2016, 21, 3163-3174.	0.9	24
119	Approximation of random invariant manifolds for a stochastic Swift-Hohenberg equation. Discrete and Continuous Dynamical Systems - Series S, 2016, 9, 1701-1715.	1.1	6
120	Nonlinear filtering of stochastic dynamical systems with Lévy noises. Advances in Applied Probability, 2015, 47, 902-918.	0.7	5
121	Nonlinear filtering of stochastic dynamical systems with Lévy noises. Advances in Applied Probability, 2015, 47, 902-918.	0.7	14
122	Approximation of Random Slow Manifolds and Settling of Inertial Particles Under Uncertainty. Journal of Dynamics and Differential Equations, 2015, 27, 961-979.	1.9	11
123	Asymptotic methods for stochastic dynamical systems with small non-Gaussian Lévy noise. Stochastics and Dynamics, 2015, 15, 1550004.	1.2	6
124	Impacts of noise on a class of partial differential equations. Journal of Differential Equations, 2015, 258, 2196-2220.	2.2	23
125	Numerical methods for the mean exit time and escape probability of two-dimensional stochastic dynamical systems with non-Gaussian noises. Applied Mathematics and Computation, 2015, 258, 282-295.	2.2	15
126	Restoration of rhythmicity in diffusively coupled dynamical networks. Nature Communications, 2015, 6, 7709.	12.8	131

#	Article	IF	Citations
127	A nonlocal Fokker–Planck equation for non-Gaussian stochastic dynamical systems. Applied Mathematics Letters, 2015, 49, 1-6.	2.7	7
128	Nonlocal elliptic equations involving measures. Journal of Mathematical Analysis and Applications, 2015, 432, 1106-1118.	1.0	2
129	Centre manifolds for stochastic evolution equations. Journal of Difference Equations and Applications, 2015, 21, 606-632.	1.1	13
130	A parameter estimation method based on random slow manifolds. Applied Mathematical Modelling, 2015, 39, 3721-3732.	4.2	10
131	On the shape Conley index theory of semiflows on complete metric spaces. Discrete and Continuous Dynamical Systems, 2015, 36, 1629-1647.	0.9	12
132	TOPOLOGICAL EQUIVALENCE FOR DISCONTINUOUS RANDOM DYNAMICAL SYSTEMS AND APPLICATIONS. Stochastics and Dynamics, 2014, 14, 1350007.	1.2	6
133	Ensemble Averaging for Dynamical Systems Under Fast Oscillating Random Boundary Conditions. Stochastic Analysis and Applications, 2014, 32, 944-961.	1.5	7
134	Mean Exit Time and Escape Probability for Dynamical Systems Driven by Lévy Noises. SIAM Journal of Scientific Computing, 2014, 36, A887-A906.	2.8	72
135	Impact of Correlated Noises on Additive Dynamical Systems. Mathematical Problems in Engineering, 2014, 2014, 1-6.	1.1	1
136	Asymmetric non-Gaussian effects in a tumor growth model with immunization. Applied Mathematical Modelling, 2014, 38, 4428-4444.	4.2	14
137	Slow foliation of a slow–fast stochastic evolutionary system. Journal of Functional Analysis, 2014, 267, 2663-2697.	1.4	9
138	Emergence of amplitude and oscillation death in identical coupled oscillators. Physical Review E, 2014, 90, 032906.	2.1	38
139	Synchronization of an evolving complex hyper-network. Applied Mathematical Modelling, 2014, 38, 2961-2968.	4.2	22
140	Stochastic averaging principle for dynamical systems with fractional Brownian motion. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 1197-1212.	0.9	29
141	Lévy noise-induced stochastic resonance in a bistable system. European Physical Journal B, 2013, 86, 1.	1.5	77
142	Approximating Dynamics of a Singularly Perturbed Stochastic Wave Equation with a Random Dynamical Boundary Condition. SIAM Journal on Mathematical Analysis, 2013, 45, 2790-2814.	1.9	14
143	Simulating Stochastic Inertial Manifolds by a Backward-Forward Approach. SIAM Journal on Applied Dynamical Systems, 2013, 12, 487-514.	1.6	11
144	Convergence of global attractors of a 2D non-Newtonian system to the global attractor of the 2D Navier-Stokes system. Science China Mathematics, 2013, 56, 253-265.	1.7	9

#	Article	IF	Citations
145	An alternative expression for stochastic dynamical systems with parametric Poisson white noise. Probabilistic Engineering Mechanics, 2013, 32, 1-4.	2.7	15
146	Random Dynamics of the Stochastic Boussinesq Equations Driven by Lévy Noises. Abstract and Applied Analysis, 2013, 2013, 1-10.	0.7	2
147	Escape Probability for Stochastic Dynamical Systems with Jumps. Springer Proceedings in Mathematics and Statistics, 2013, , 195-216.	0.2	9
148	Non-Gaussian dynamics of a tumor growth system with immunization. Inverse Problems and Imaging, 2013, 7, 697-716.	1.1	3
149	Slow manifolds for multi-time-scale stochastic evolutionary systems. Communications in Mathematical Sciences, 2013, 11, 141-162.	1.0	24
150	Global well-posedness of a stochastic coupled Kuramoto–Sivashinsky and Ginzburg–Landau-type model for the Marangoni convection. Journal of Mathematical Physics, 2012, 53, 033710.	1.1	1
151	APPROXIMATION OF INVARIANT FOLIATIONS FOR STOCHASTIC DYNAMICAL SYSTEMS. Stochastics and Dynamics, 2012, 12, 1150011.	1.2	5
152	UPPER SEMICONTINUITY OF GLOBAL ATTRACTORS FOR 2D NAVIER–STOKES EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250046.	1.7	6
153	MEAN EXIT TIME AND ESCAPE PROBABILITY FOR A TUMOR GROWTH SYSTEM UNDER NON-GAUSSIAN NOISE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250090.	1.7	10
154	Quantifying Model Uncertainties in the Space of Probability Measures. Interdisciplinary Mathematical Sciences, 2012, , 99-110.	0.4	2
155	Large deviations and approximations for slow–fast stochastic reaction–diffusion equations. Journal of Differential Equations, 2012, 253, 3501-3522.	2.2	29
156	Fokker-Planck equations for nonlinear dynamical systems driven by non-Gaussian Lévy processes. Journal of Mathematical Physics, 2012, 53, .	1.1	17
157	Complex projective synchronization in coupled chaotic complex dynamical systems. Nonlinear Dynamics, 2012, 69, 771-779.	5.2	67
158	Impact of $alpha$-stable Lévy noise on the Stommel model for the thermohaline circulation. Discrete and Continuous Dynamical Systems - Series B, 2012, 17, 1575-1584.	0.9	1
159	Evolution systems of measures for stochastic flows. Dynamical Systems, 2011, 26, 323-334.	0.4	4
160	Stochastic bifurcations in a bistable Duffing–Van der Pol oscillator with colored noise. Physical Review E, 2011, 83, 056215.	2.1	157
161	Averaging, Homogenization and Slow Manifolds for Stochastic Partial Differential Equations. Interdisciplinary Mathematical Sciences, 2011, , 89-125.	0.4	1
162	An averaging principle for stochastic dynamical systems with Lévy noise. Physica D: Nonlinear Phenomena, 2011, 240, 1395-1401.	2.8	138

#	Article	IF	Citations
163	A delay-dependent stability criterion for nonlinear stochastic delay-integro-differential equations. Acta Mathematica Scientia, 2011, 31, 1813-1822.	1.0	0
164	A computational analysis for mean exit time under non-Gaussian Lévy noises. Applied Mathematics and Computation, 2011, 218, 1845-1856.	2.2	15
165	Asymptotic behavior of solutions for random wave equations with nonlinear damping and white noise. Nonlinear Analysis: Real World Applications, 2011, 12, 464-478.	1.7	38
166	Dynamical behavior of the activator–repressor circuit model under random fluctuations. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 1978-1985.	3.3	3
167	A Taylor expansion approach for solving partial differential equations with random Neumann boundary conditions. Applied Mathematics and Computation, 2011, 217, 9532-9542.	2.2	3
168	Geometric shape of invariant manifolds for a class of stochastic partial differential equations. Journal of Mathematical Physics, 2011, 52, .	1.1	13
169	State space decomposition for non-autonomous dynamical systems. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2011, 141, 957-974.	1.2	2
170	AN AVERAGING PRINCIPLE FOR TWO-SCALE STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS. Stochastics and Dynamics, 2011, 11, 353-367.	1.2	27
171	Global Mild Solutions and Attractors for Stochastic Viscous Cahn-Hilliard Equation. Abstract and Applied Analysis, 2011, 2011, 1-22.	0.7	1
172	Asymptotic behavior for a semilinear second order evolution equation. Transactions of the American Mathematical Society, 2011, 363, 6085-6109.	0.9	27
173	Quantifying Model Uncertainties in Complex Systems. , 2011, , 221-252.		2
174	Invariant Manifolds for Random and Stochastic Partial Differential Equations. Advanced Nonlinear Studies, 2010, 10, 23-52.	1.7	62
175	Rare events in the Boussinesq system with fluctuating dynamical boundary conditions. Journal of Differential Equations, 2010, 248, 1269-1296.	2.2	11
176	Random attractor for the Ladyzhenskaya model with additive noise. Journal of Mathematical Analysis and Applications, 2010, 362, 241-251.	1.0	23
177	Synchronization of systems of Marcus canonical equations driven by -stable noises. Nonlinear Analysis: Real World Applications, 2010, 11, 3437-3445.	1.7	16
178	Bridging the Boussinesq and primitive equations through spatio-temporal filtering. Applied Mathematics Letters, 2010, 23, 453-456.	2.7	9
179	Effective dynamics of a coupled microscopic-macroscopic stochastic system. Acta Mathematica Scientia, 2010, 30, 2064-2076.	1.0	2
180	Synchronization of Dissipative Dynamical Systems Driven by Non-Gaussian Lévy Noises. International Journal of Stochastic Analysis, 2010, 2010, 1-13.	0.3	5

#	Article	IF	Citations
181	An impact of noise on invariant manifolds in nonlinear dynamical systems. Journal of Mathematical Physics, 2010, 51, .	1.1	20
182	Large deviations for the stochastic quasigeostrophic equation with multiplicative noise. Journal of Mathematical Physics, 2010, 51, 053301.	1.1	4
183	A sufficient condition for bifurcation in random dynamical systems. Proceedings of the American Mathematical Society, 2010, 138, 965-973.	0.8	4
184	Stochastic Quantification of Missing Mechanisms in Dynamical Systems. Interdisciplinary Mathematical Sciences, 2010, , 67-76.	0.4	4
185	A Sufficient Condition for Non-Explosion for a Class of Stochastic Partial Differential Equations. Interdisciplinary Mathematical Sciences, 2010, , 131-142.	0.4	2
186	Canonical Sample Spaces for Random Dynamical Systems. Interdisciplinary Mathematical Sciences, 2010, , 53-70.	0.4	1
187	Random chain recurrent sets for random dynamical systems. Dynamical Systems, 2009, 24, 537-546.	0.4	0
188	Random Dynamics of the Boussinesq System with Dynamical Boundary Conditions. Stochastic Analysis and Applications, 2009, 27, 1096-1116.	1.5	10
189	Pseudorandom numbers for conformal measures. Dynamical Systems, 2009, 24, 439-457.	0.4	3
190	Exponential stability of the multi-layer quasi-geostrophic ocean model with delays. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 799-811.	1.1	6
191	Stochastic modeling of unresolved scales in complex systems. Frontiers of Mathematics in China, 2009, 4, 425-436.	0.7	6
192	Large deviations for the Boussinesq equations under random influences. Stochastic Processes and Their Applications, 2009, 119, 2052-2081.	0.9	84
193	Structure of the set of bounded solutions for a class of nonautonomous second-order differential equations. Journal of Differential Equations, 2009, 246, 1754-1773.	2.2	6
194	Reductions and Deviations for Stochastic Partial Differential Equations Under Fast Dynamical Boundary Conditions. Stochastic Analysis and Applications, 2009, 27, 431-459.	1.5	23
195	A Stochastic Approach for Parameterizing Unresolved Scales in a System with Memory. Journal of Algorithms and Computational Technology, 2009, 3, 393-405.	0.7	11
196	On global attractors for a class of nonhyperbolic piecewise affine maps. Physica D: Nonlinear Phenomena, 2008, 237, 3369-3376.	2.8	14
197	Exponential stability of non-autonomous stochastic partial differential equations with finite memory. Statistics and Probability Letters, 2008, 78, 490-498.	0.7	39
198	Dynamics of transport under random fluxes on the boundary. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1627-1641.	3.3	7

#	Article	IF	Citations
199	General matrix-valued inhomogeneous linear stochastic differential equations and applications. Statistics and Probability Letters, 2008, 78, 2361-2365.	0.7	4
200	AN INTERMEDIATE REGIME FOR EXIT PHENOMENA DRIVEN BY NON-GAUSSIAN LÃ‰VY NOISES. Stochastics and Dynamics, 2008, 08, 583-591.	1.2	8
201	Effective Macroscopic Dynamics of Stochastic Partial Differential Equations in Perforated Domains. SIAM Journal on Mathematical Analysis, 2007, 38, 1508-1527.	1.9	17
202	A dynamical approximation for stochastic partial differential equations. Journal of Mathematical Physics, 2007, 48, 102701.	1.1	19
203	Stochastic parameterization for large eddy simulation of geophysical flows. Proceedings of the American Mathematical Society, 2007, 135, 1187-1187.	0.8	32
204	Large eddy simulation of stratified mixing in two-dimensional dam-break problem in a rectangular enclosed domain. Ocean Modelling, 2007, 16, 106-140.	2.4	57
205	Uniform Attractors for Nonautonomous Wave Equations with Nonlinear Damping. SIAM Journal on Applied Dynamical Systems, 2007, 6, 293-318.	1.6	43
206	An Impact of Stochastic Dynamic Boundary Conditions on the Evolution of the Cahn-Hilliard System. Stochastic Analysis and Applications, 2007, 25, 613-639.	1.5	13
207	Global attractors and invariant measures for non-invertible planar piecewise isometric maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 285-290.	2.1	10
208	Homogenized Dynamics of Stochastic Partial Differential Equations with Dynamical Boundary Conditions. Communications in Mathematical Physics, 2007, 275, 163-186.	2.2	26
209	Impact of boundary conditions on entrainment and transport in gravity currents. Applied Mathematical Modelling, 2007, 31, 1338-1350.	4.2	6
210	Slow integral manifolds for Lagrangian fluid dynamics in unsteady geophysical flows. Physica D: Nonlinear Phenomena, 2007, 233, 73-82.	2.8	2
211	Non-autonomous dynamics of wave equations with nonlinear damping and critical nonlinearity. Nonlinearity, 2006, 19, 2645-2665.	1.4	51
212	Feedback Stabilization for Oseen Fluid Equations: A Stochastic Approach. Journal of Mathematical Fluid Mechanics, 2005, 7, 574-610.	1.0	3
213	Ergodic dynamics of the stochastic Swiftâ€"Hohenberg system. Nonlinear Analysis: Real World Applications, 2005, 6, 273-295.	1.7	5
214	A MARKOV JUMP PROCESS APPROXIMATION OF THE STOCHASTIC BURGERS EQUATION. Stochastics and Dynamics, 2004, 04, 245-264.	1.2	5
215	Almost Periodic Solutions and Global Attractors of Non-autonomous Navierâ€"Stokes Equations. Journal of Dynamics and Differential Equations, 2004, 16, 1-34.	1.9	27
216	Dynamics of a coupled atmosphereâ€"ocean model. Nonlinear Analysis: Real World Applications, 2004, 5, 667-693.	1.7	3

#	ARTICLE	IF	CITATIONS
217	Smooth Stable and Unstable Manifolds for Stochastic Evolutionary Equations. Journal of Dynamics and Differential Equations, 2004, 16, 949-972.	1.9	104
218	A Wiener–Hopf approximation technique for a multiple plate diffraction problem. Mathematical Methods in the Applied Sciences, 2004, 27, 19-34.	2.3	2
219	Dynamics of the thermohaline circulation under uncertainty. Journal of Mathematical Analysis and Applications, 2004, 296, 140-153.	1.0	1
220	Entrainment in bottom gravity currents over complex topography from three-dimensional nonhydrostatic simulations. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	35
221	Three-Dimensional Turbulent Bottom Density Currents from a High-Order Nonhydrostatic Spectral Element Model. Journal of Physical Oceanography, 2004, 34, 2006-2026.	1.7	75
222	Recurrent motions and global attractors of non-autonomous Lorenz systems. Dynamical Systems, 2004, 19, 41-59.	0.4	9
223	Dynamics of quasi-geostrophic fluid motion with rapidly oscillating Coriolis force. Nonlinear Analysis: Real World Applications, 2003, 4, 127-138.	1.7	6
224	Generalization of the second Bogolyubov's theorem for non-almost periodic systems. Nonlinear Analysis: Real World Applications, 2003, 4, 599-613.	1.7	5
225	Invariant manifolds for stochastic partial differential equations. Annals of Probability, 2003, 31, 2109.	1.8	180
226	Recurrent motions in the nonautonomous Navier-Stokes system. Discrete and Continuous Dynamical Systems - Series B, 2003, 3, 255-262.	0.9	6
227	The 3D Quasigeostrophic Fluid Dynamics Under Random Forcing On Boundary. Communications in Mathematical Sciences, 2003, 1, 133-151.	1.0	48
228	Enstrophy dynamics of stochastically forced large-scale geophysical flows. Journal of Mathematical Physics, 2002, 43, 2616.	1.1	4
229	STOCHASTIC DYNAMICS OF A COUPLED ATMOSPHERE–OCEAN MODEL. Stochastics and Dynamics, 2002, 02, 357-380.	1.2	30
230	Time-periodically forced amplitude evolution in spatially extended nonlinear systems. Applied Mathematics and Computation, 2002, 127, 215-219.	2.2	0
231	Dynamics of the thermohaline circulation under wind forcing. Discrete and Continuous Dynamical Systems - Series B, 2002, 2, 205-219.	0.9	1
232	Escape probability and mean residence time in random flows with unsteady drift. Mathematical Problems in Engineering, 2001, 7, 55-65.	1.1	8
233	Ergodicity of stochastically forced large scale geophysical flows. International Journal of Mathematics and Mathematical Sciences, 2001, 28, 313-320.	0.7	16
234	On the stochastic Kuramoto–Sivashinsky equation. Nonlinear Analysis: Theory, Methods & Applications, 2001, 44, 205-216.	1.1	32

#	Article	IF	Citations
235	The effect of changing the Coriolis force gradient parameter on the escape probability and mean residence time. Applied Mathematics and Computation, 2001, 118, 261-273.	2.2	1
236	PROBABILISTIC DYNAMICS OF TWO-LAYER GEOPHYSICAL FLOWS. Stochastics and Dynamics, 2001, 01, 451-475.	1.2	9
237	Exponential stability of the quasigeostrophic equation under random perturbations. , 2001, , 241-256.		5
238	Almost Periodic Passive Tracer Dispersion. Journal of Mathematical Analysis and Applications, 2000, 247, 300-308.	1.0	3
239	Asymptotics for the Generalized Two-Dimensional Ginzburgâ€"Landau Equation. Journal of Mathematical Analysis and Applications, 2000, 247, 198-216.	1.0	39
240	On nonlinear amplitude evolution under stochastic forcing. Applied Mathematics and Computation, 2000, 109, 59-65.	2.2	2
241	Probabilistic structural dynamics of protein folding. Applied Mathematics and Computation, 2000, 113, 97-100.	2.2	2
242	CHAOTIC PROPERTIES OF SUBSHIFTS GENERATED BY A NONPERIODIC RECURRENT ORBIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 1067-1073.	1.7	6
243	Asymptotic dynamical difference between the nonlocal and local Swiftâ€"Hohenberg models. Journal of Mathematical Physics, 2000, 41, 2077-2089.	1.1	18
244	Escape probability, mean residence time and geophysical fluid particle dynamics. Physica D: Nonlinear Phenomena, 1999, 133, 23-33.	2.8	13
245	Time-periodic quasigeostrophic motion under dissipation and forcing. Applied Mathematics and Computation, 1999, 102, 121-127.	2.2	6
246	A remark on the three dimensional baroclinic quasi-geostrophic dynamics. Applied Mathematics and Computation, 1999, 106, 285-288.	2.2	1
247	Infinite-Dimensional Linear Dynamical Systems with Chaoticity. Journal of Nonlinear Science, 1999, 9, 197-211.	2.1	23
248	Dissipative Quasi-Geostrophic Motion under Temporally Almost Periodic Forcing. Journal of Mathematical Analysis and Applications, 1999, 236, 74-85.	1.0	13
249	Dynamics of a Nonlocal Kuramotoâ€"Sivashinsky Equation. Journal of Differential Equations, 1998, 143, 243-266.	2.2	26
250	Dissipative Quasi-geostrophic Dynamics under Random Forcing. Journal of Mathematical Analysis and Applications, 1998, 228, 221-233.	1.0	22
251	Limit set of trajectories of the coupled viscous Burgers' equations. Applied Mathematics Letters, 1998, 11, 57-61.	2.7	96
252	On a coupled Kuramotoâ€"Sivashinsky and Ginzburgâ€"Landau-type model for the Marangoni convection. Journal of Mathematical Physics, 1997, 38, 2465-2474.	1.1	7

#	Article	IF	Citations
253	On the Initial-Value Problem for the Generalized Two-Dimensional Ginzburgâ€"Landau Equation. Journal of Mathematical Analysis and Applications, 1997, 216, 536-548.	1.0	33
254	Fluid Exchange across a Meandering Jet Quasiperiodic Variability. Journal of Physical Oceanography, 1996, 26, 1176-1188.	1.7	60
255	The effect of nonlocal interactions on the dynamics of the Ginzburg-Landau equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 1996, 47, 432-455.	1.4	18
256	Fronts, domain walls and pulses in a generalized Ginzburg-Landau equation. Proceedings of the Edinburgh Mathematical Society, 1995, 38, 77-97.	0.3	32
257	On the cauchy problem of a generalized ginzburgâ€"landau equation. Nonlinear Analysis: Theory, Methods & Applications, 1994, 22, 1033-1040.	1.1	40
258	Regularity, approximation and asymptotic dynamics for a generalized Ginzburg-Landau equation. Nonlinearity, 1993, 6, 915-933.	1.4	62
259	Global existence theory for a generalized Ginzburg-Landau equation. Nonlinearity, 1992, 5, 1303-1314.	1.4	70
260	Maximum principles for nonlocal parabolic Waldenfels operators. Bulletin of Mathematical Sciences, 0, , .	0.7	2
261	A logistic-harvest model with allee effect under multiplicative noise. Stochastics and Dynamics, 0, , 2150044.	1.2	9
262	Effective Reduction for a Nonlocal Zakai Stochastic Partial Differential Equation in Data Assimilation. Journal of Dynamics and Differential Equations, 0, , 1.	1.9	0
263	State estimation under non-Gaussian LÃ©vy noise: A modified Kalman filtering method. Banach Center Publications, 0, 105, 239-246.	0.1	6