

Jinqiao Duan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3390588/jinqiao-duan-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

257
papers

3,187
citations

29
h-index

46
g-index

267
ext. papers

3,695
ext. citations

2
avg, IF

5.79
L-index

#	Paper	IF	Citations
257	Extracting Governing Laws from Sample Path Data of Non-Gaussian Stochastic Dynamical Systems. <i>Journal of Statistical Physics</i> , 2022 , 186, 1	1.5	2
256	Total value adjustment of Bermudan option valuation under pure jump Lévy fluctuations.. <i>Chaos</i> , 2022 , 32, 023127	3.3	2
255	Learning the temporal evolution of multivariate densities via normalizing flows.. <i>Chaos</i> , 2022 , 32, 033121	3.3	1
254	An Onsager-Machlup approach to the most probable transition pathway for a genetic regulatory network.. <i>Chaos</i> , 2022 , 32, 041103	3.3	
253	Extracting stochastic dynamical systems with stable Lévy noise from data. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2022 , 2022, 023405	1.9	1
252	An optimal control method to compute the most likely transition path for stochastic dynamical systems with jumps. <i>Chaos</i> , 2022 , 32, 051102	3.3	0
251	An end-to-end deep learning approach for extracting stochastic dynamical systems with stable Lévy noise. <i>Chaos</i> , 2022 , 32, 063112	3.3	1
250	Kantorovich-Rubinstein distance and approximation for non-local Fokker-Planck equations. <i>Chaos</i> , 2021 , 31, 111104	3.3	
249	Stochastic bifurcation in single-species model induced by stable Lévy noise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021 , 2021, 103403	1.9	1
248	Bohmian trajectories of the time-oscillating Schrödinger equations. <i>Chaos</i> , 2021 , 31, 101101	3.3	
247	Discovering governing equation from data for multi-stable energy harvester under white noise. <i>Nonlinear Dynamics</i> , 2021 , 106, 2829	5	1
246	A data-driven approach for discovering stochastic dynamical systems with non-Gaussian Lévy noise. <i>Physica D: Nonlinear Phenomena</i> , 2021 , 417, 132830	3.3	10
245	Stochastic bifurcation for two-time-scale dynamical system with stable Lévy noise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021 , 2021, 033204	1.9	3
244	Maximal likely phase lines for a reduced ice growth model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 569, 125749	3.3	0
243	Dynamical behavior of a nonlocal Fokker-Planck equation for a stochastic system with tempered stable noise. <i>Chaos</i> , 2021 , 31, 051105	3.3	0
242	Quantifying model uncertainty for the observed non-Gaussian data by the Hellinger distance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 96, 105720	3.7	1
241	Slow Manifold and Parameter Estimation for a Nonlocal Fast-Slow Dynamical System with Brownian Motion. <i>Acta Mathematica Scientia</i> , 2021 , 41, 1057-1080	0.7	1

240	Dynamics of the Tyson-Hong-Thron-Novak circadian oscillator model. <i>Physica D: Nonlinear Phenomena</i> , 2021 , 420, 132869	3.3	2
239	Estimating the most probable transition time for stochastic dynamical systems. <i>Nonlinearity</i> , 2021 , 34, 4543-4569	1.7	
238	Stochastic regularization for transport equations. <i>Stochastics and Partial Differential Equations: Analysis and Computations</i> , 2021 , 9, 105-141	0.9	1
237	Learning and meta-learning of stochastic advection-diffusion-reaction systems from sparse measurements. <i>European Journal of Applied Mathematics</i> , 2021 , 32, 397-420	1	6
236	Effective Filtering Analysis for Non-Gaussian Dynamic Systems. <i>Applied Mathematics and Optimization</i> , 2021 , 83, 437-459	1.5	3
235	Global well-posedness of the stochastic Camassa-Holm equation. <i>Communications in Mathematical Sciences</i> , 2021 , 19, 607-627	1	1
234	Gibbs Measure for the Higher Order Modified Camassa-Holm Equation. <i>Chinese Annals of Mathematics Series B</i> , 2021 , 42, 105-120	0.4	
233	Machine learning framework for computing the most probable paths of stochastic dynamical systems. <i>Physical Review E</i> , 2021 , 103, 012124	2.4	5
232	Linear Response Theory for Nonlinear Stochastic Differential Equations with (alpha)-Stable Lévy Noises. <i>Journal of Statistical Physics</i> , 2021 , 182, 1	1.5	1
231	On the abrupt change of the maximum likelihood state in a simplified stochastic thermohaline circulation system. <i>Chaos</i> , 2021 , 31, 021103	3.3	1
230	Lyapunov exponents for Hamiltonian systems under small Lévy-type perturbations. <i>Chaos</i> , 2021 , 31, 081101	3.3	
229	Double canard cycles in singularly perturbed planar systems. <i>Nonlinear Dynamics</i> , 2021 , 105, 3715-3730	5	
228	Wave-breaking and moderate deviations of the stochastic Camassa-Holm equation with pure jump noise. <i>Physica D: Nonlinear Phenomena</i> , 2021 , 424, 132944	3.3	2
227	Solving Inverse Stochastic Problems from Discrete Particle Observations Using the Fokker-Planck Equation and Physics-Informed Neural Networks. <i>SIAM Journal of Scientific Computing</i> , 2021 , 43, B811-B830	2.6	11
226	Most probable transitions from metastable to oscillatory regimes in a carbon cycle system.. <i>Chaos</i> , 2021 , 31, 121102	3.3	2
225	Most probable dynamics of stochastic dynamical systems with exponentially light jump fluctuations. <i>Chaos</i> , 2020 , 30, 063142	3.3	7
224	Global solution and blow-up of the stochastic nonlinear Schrödinger system. <i>Journal of Mathematical Physics</i> , 2020 , 61, 061504	1.2	1
223	Particle dynamics and transport enhancement in a confined channel with position-dependent diffusivity. <i>New Journal of Physics</i> , 2020 , 22, 053016	2.9	22

222	State transitions in the Morris-Lecar model under stable Lévy noise. <i>European Physical Journal B</i> , 2020 , 93, 1	1.2	3
221	The tipping times in an Arctic sea ice system under influence of extreme events. <i>Chaos</i> , 2020 , 30, 063125,3	5.3	9
220	Numerical analysis and applications of Fokker-Planck equations for stochastic dynamical systems with multiplicative stable noises. <i>Applied Mathematical Modelling</i> , 2020 , 87, 711-730	4.5	4
219	The maximum likelihood climate change for global warming under the influence of greenhouse effect and Lévy noise. <i>Chaos</i> , 2020 , 30, 013132	3.3	18
218	The Cauchy problem for a two-dimensional generalized Kadomtsev-Petviashvili-I equation in anisotropic Sobolev spaces. <i>Analysis and Applications</i> , 2020 , 18, 469-522	2.5	3
217	Effective wave factorization for a stochastic Schrödinger equation 2020 , 411, 132573-132573		0
216	Detecting the maximum likelihood transition path from data of stochastic dynamical systems. <i>Chaos</i> , 2020 , 30, 113124	3.3	8
215	Mean exit time for stochastic dynamical systems driven by tempered stable Lévy fluctuations. <i>Applied Mathematics Letters</i> , 2020 , 102, 106112	3.5	2
214	Transitions between metastable states in a simplified model for the thermohaline circulation under random fluctuations. <i>Applied Mathematics and Computation</i> , 2020 , 369, 124868	2.7	3
213	Extracting non-Gaussian governing laws from data on mean exit time. <i>Chaos</i> , 2020 , 30, 113112	3.3	1
212	The role of slow manifolds in parameter estimation for a multiscale stochastic system with stable Lévy noise. <i>Journal of Mathematical Physics</i> , 2020 , 61, 072701	1.2	1
211	An averaging principle for fractional stochastic differential equations with Lévy noise. <i>Chaos</i> , 2020 , 30, 083126	3.3	9
210	Discovering transition phenomena from data of stochastic dynamical systems with Lévy noise. <i>Chaos</i> , 2020 , 30, 093110	3.3	6
209	Bifurcation in Mean Phase Portraits for Stochastic Dynamical Systems with Multiplicative Gaussian Noise. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050276	2.6	3
208	Gevrey semigroup generated by $(\Delta + b \cdot \nabla)$ in $L_p(\mathbb{R}^n)$. <i>Journal of Mathematical Analysis and Applications</i> , 2020 , 481, 123480	1.1	0
207	Nonlocal Dynamics for Non-Gaussian Systems Arising in Biophysical Modeling. <i>Communications on Applied Mathematics and Computation</i> , 2020 , 2, 201-213	0.9	1
206	Slow manifolds for a nonlocal fast-slow stochastic system with stable Lévy noise. <i>Journal of Mathematical Physics</i> , 2019 , 60, 091501	1.2	3
205	Effects of Lévy noise on the Fitzhugh-Nagumo model: A perspective on the maximal likely trajectories. <i>Journal of Theoretical Biology</i> , 2019 , 480, 166-174	2.3	7

204	Maximum principles for nonlocal parabolic Waldenfels operators. <i>Bulletin of Mathematical Sciences</i> , 2019 , 09, 1950015	0.9	1
203	Slow manifolds for dynamical systems with non-Gaussian stable Lévy noise. <i>Analysis and Applications</i> , 2019 , 17, 477-511	2.5	6
202	Characterization of the most probable transition paths of stochastic dynamical systems with stable Lévy noise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 063204	1.9	2
201	Most probable transition pathways and maximal likely trajectories in a genetic regulatory system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 531, 121779	3.3	10
200	Hamiltonian systems with Lévy noise: Symplecticity, Hamilton's principle and averaging principle. <i>Physica D: Nonlinear Phenomena</i> , 2019 , 398, 69-83	3.3	4
199	White noise driven Ostrovsky equation. <i>Journal of Differential Equations</i> , 2019 , 267, 5701-5735	2.1	2
198	Stochastic nonlocal conservation laws on whole space. <i>Computers and Mathematics With Applications</i> , 2019 , 77, 1945-1962	2.7	1
197	Target search of a protein on DNA in the presence of position-dependent bias. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 033501	1.9	2
196	Lévy noise induced escape in the Morris-Lecar model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 531, 121785	3.3	3
195	The Onsager-Machlup function as Lagrangian for the most probable path of a jump-diffusion process. <i>Nonlinearity</i> , 2019 , 32, 3715-3741	1.7	8
194	Discovering mean residence time and escape probability from data of stochastic dynamical systems. <i>Chaos</i> , 2019 , 29, 093122	3.3	7
193	The influences of correlated spatially random perturbations on first passage time in a linear-cubic potential. <i>Chaos</i> , 2019 , 29, 101102	3.3	10
192	Action Functionals for Stochastic Differential Equations with Lévy Noise. <i>Communications on Stochastic Analysis</i> , 2019 , 13,	0.4	1
191	Geometric Methods for Stochastic Dynamical Systems. <i>Interdisciplinary Mathematical Sciences</i> , 2019 , 1-8	0.5	
190	Fokker-Planck equation driven by asymmetric Lévy motion. <i>Advances in Computational Mathematics</i> , 2019 , 45, 787-811	1.6	2
189	A novel compact ADI scheme for two-dimensional Riesz space fractional nonlinear reaction-diffusion equations. <i>Applied Mathematics and Computation</i> , 2019 , 346, 452-464	2.7	39
188	Schauder estimates for stochastic transport-diffusion equations with Lévy processes. <i>Journal of Mathematical Analysis and Applications</i> , 2019 , 474, 1-22	1.1	2
187	Most probable dynamics of a genetic regulatory network under stable Lévy noise. <i>Applied Mathematics and Computation</i> , 2019 , 348, 425-436	2.7	16

186	A parameter estimator based on Smoluchowski-Kramers approximation. <i>Applied Mathematics Letters</i> , 2019 , 90, 54-60	3.5	2
185	Centre manifolds for infinite dimensional random dynamical systems. <i>Dynamical Systems</i> , 2019 , 34, 334-355		3
184	A Stochastic Pitchfork Bifurcation in Most Probable Phase Portraits. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850017	2	16
183	A Newton linearized compact finite difference scheme for one class of Sobolev equations. <i>Numerical Methods for Partial Differential Equations</i> , 2018 , 34, 1093-1112	2.5	4
182	Likelihood for transcriptions in a genetic regulatory system under asymmetric stable Lévy noise. <i>Chaos</i> , 2018 , 28, 013121	3.3	8
181	Stability and convergence of compact finite difference method for parabolic problems with delay. <i>Applied Mathematics and Computation</i> , 2018 , 322, 129-139	2.7	7
180	Kinetic Solutions for Nonlocal Scalar Conservation Laws. <i>SIAM Journal on Mathematical Analysis</i> , 2018 , 50, 1521-1543	1.7	3
179	Boundary Blow-up Solutions to Nonlocal Elliptic Systems of Cooperative Type. <i>Annales Henri Poincaré</i> , 2018 , 19, 2115-2136	1.2	
178	A two-level linearized compact ADI scheme for two-dimensional nonlinear reaction-diffusion equations. <i>Computers and Mathematics With Applications</i> , 2018 , 75, 2835-2850	2.7	27
177	Bounded and unbounded solutions of a discontinuous oscillator at resonance. <i>International Journal of Non-Linear Mechanics</i> , 2018 , 105, 146-151	2.8	5
176	Numerical algorithms for mean exit time and escape probability of stochastic systems with asymmetric Lévy motion. <i>Applied Mathematics and Computation</i> , 2018 , 337, 618-634	2.7	6
175	Lévy noise induced transition and enhanced stability in a gene regulatory network. <i>Chaos</i> , 2018 , 28, 0755103	3.3	15
174	Global Well-posedness of the Stochastic Generalized Kuramoto-Sivashinsky Equation with Multiplicative Noise. <i>Acta Mathematicae Applicatae Sinica</i> , 2018 , 34, 566-584	0.3	0
173	Linearized compact ADI schemes for nonlinear time-fractional Schrödinger equations. <i>Applied Mathematics Letters</i> , 2018 , 84, 160-167	3.5	44
172	Effective filtering on a random slow manifold. <i>Nonlinearity</i> , 2018 , 31, 4649-4666	1.7	5
171	Maximum principles for nonlocal parabolic Waldenfels operators. <i>Bulletin of Mathematical Sciences</i> , 2018 ,	0.9	2
170	The Cauchy problem for the Ostrovsky equation with positive dispersion. <i>Nonlinear Differential Equations and Applications</i> , 2018 , 25, 1	0.8	5
169	Slow manifold for a nonlocal stochastic evolutionary system with fast and slow components. <i>Journal of Differential Equations</i> , 2017 , 263, 4870-4893	2.1	3

168	Lévy noise-induced escape in an excitable system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 063503	1.9	21
167	Martingale and weak solutions for a stochastic nonlocal Burgers equation on finite intervals. <i>Journal of Mathematical Analysis and Applications</i> , 2017 , 449, 176-194	1.1	4
166	Existence and regularity of a linear nonlocal Fokker-Planck equation with growing drift. <i>Journal of Mathematical Analysis and Applications</i> , 2017 , 449, 228-243	1.1	5
165	Metastability for discontinuous dynamical systems under Lévy noise: Case study on Amazonian Vegetation. <i>Scientific Reports</i> , 2017 , 7, 9336	4.9	12
164	Data assimilation and parameter estimation for a multiscale stochastic system with stable Lévy noise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 113401	1.9	7
163	Derivation of Fokker-Planck equations for stochastic systems under excitation of multiplicative non-Gaussian white noise. <i>Journal of Mathematical Analysis and Applications</i> , 2017 , 446, 786-800	1.1	5
162	A Wong-Zakai approximation for random invariant manifolds. <i>Journal of Mathematical Physics</i> , 2017 , 58, 122701	1.2	9
161	Behavioral synchronization induced by epidemic spread in complex networks. <i>Chaos</i> , 2017 , 27, 063101	3.3	6
160	Most probable dynamics of some nonlinear systems under noisy fluctuations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 30, 108-114	3.7	21
159	Stationary measures for stochastic differential equations with jumps. <i>Stochastics</i> , 2016 , 88, 864-883	0.6	3
158	Competition promotes the persistence of populations in ecosystems. <i>Scientific Reports</i> , 2016 , 6, 30477	4.9	
157	Quantifying model uncertainty in dynamical systems driven by non-Gaussian Lévy stable noise with observations on mean exit time or escape probability. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 39, 1-6	3.7	9
156	Fokker-Planck equations for stochastic dynamical systems with symmetric Lévy motions. <i>Applied Mathematics and Computation</i> , 2016 , 278, 1-20	2.7	28
155	Stochastic modeling of nonlinear oscillators under combined Gaussian and Poisson white noise: a viewpoint based on the energy conservation law. <i>Nonlinear Dynamics</i> , 2016 , 84, 1311-1325	5	4
154	Smooth solution of a nonlocal Fokker-Planck equation associated with stochastic systems with Lévy noise. <i>Applied Mathematics Letters</i> , 2016 , 58, 172-177	3.5	4
153	Lyapunov exponents of stochastic differential equations driven by Lévy processes. <i>Dynamical Systems</i> , 2016 , 31, 136-150	0.6	2
152	Approximation representation of parameterizing manifold and non-Markovian reduced systems for a stochastic Swift-Hohenberg equation. <i>Applied Mathematics Letters</i> , 2016 , 52, 112-117	3.5	3
151	Approximation for random stable manifolds under multiplicative correlated noises. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2016 , 21, 3163-3174	1.3	20

150	Approximation of random invariant manifolds for a stochastic Swift-Hohenberg equation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2016 , 9, 1701-1715	2.8	5
149	Dynamical inference for transitions in stochastic systems with stable Lévy noise. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016 , 49, 294002	2	6
148	Transitions in a genetic transcriptional regulatory system under Lévy motion. <i>Scientific Reports</i> , 2016 , 6, 29274	4.9	30
147	Enhancing dynamical robustness in aging networks of coupled nonlinear oscillators. <i>Europhysics Letters</i> , 2016 , 114, 40004	1.6	21
146	Stochastic basins of attraction for metastable states. <i>Chaos</i> , 2016 , 26, 073117	3.3	35
145	On a stochastic nonlocal conservation law in a bounded domain. <i>Bulletin Des Sciences Mathématiques</i> , 2016 , 140, 718-746	0.7	5
144	Numerical methods for the mean exit time and escape probability of two-dimensional stochastic dynamical systems with non-Gaussian noises. <i>Applied Mathematics and Computation</i> , 2015 , 258, 282-295	2.7	12
143	Restoration of rhythmicity in diffusively coupled dynamical networks. <i>Nature Communications</i> , 2015 , 6, 7709	17.4	119
142	A nonlocal Fokker-Planck equation for non-Gaussian stochastic dynamical systems. <i>Applied Mathematics Letters</i> , 2015 , 49, 1-6	3.5	7
141	Nonlocal elliptic equations involving measures. <i>Journal of Mathematical Analysis and Applications</i> , 2015 , 432, 1106-1118	1.1	2
140	Centre manifolds for stochastic evolution equations. <i>Journal of Difference Equations and Applications</i> , 2015 , 21, 606-632	1	6
139	A parameter estimation method based on random slow manifolds. <i>Applied Mathematical Modelling</i> , 2015 , 39, 3721-3732	4.5	7
138	Nonlinear filtering of stochastic dynamical systems with Lévy noises. <i>Advances in Applied Probability</i> , 2015 , 47, 902-918	0.7	4
137	Nonlinear filtering of stochastic dynamical systems with Lévy noises. <i>Advances in Applied Probability</i> , 2015 , 47, 902-918	0.7	11
136	Approximation of Random Slow Manifolds and Settling of Inertial Particles Under Uncertainty. <i>Journal of Dynamics and Differential Equations</i> , 2015 , 27, 961-979	1.3	9
135	Asymptotic methods for stochastic dynamical systems with small non-Gaussian Lévy noise. <i>Stochastics and Dynamics</i> , 2015 , 15, 1550004	0.8	5
134	Impacts of noise on a class of partial differential equations. <i>Journal of Differential Equations</i> , 2015 , 258, 2196-2220	2.1	16
133	On the shape Conley index theory of semiflows on complete metric spaces. <i>Discrete and Continuous Dynamical Systems</i> , 2015 , 36, 1629-1647	2	9

132	Slow foliation of a slow-fast stochastic evolutionary system. <i>Journal of Functional Analysis</i> , 2014 , 267, 2663-2697	1.4	9
131	Emergence of amplitude and oscillation death in identical coupled oscillators. <i>Physical Review E</i> , 2014 , 90, 032906	2.4	33
130	Synchronization of an evolving complex hyper-network. <i>Applied Mathematical Modelling</i> , 2014 , 38, 2961-2968	4.3	18
129	TOPOLOGICAL EQUIVALENCE FOR DISCONTINUOUS RANDOM DYNAMICAL SYSTEMS AND APPLICATIONS. <i>Stochastics and Dynamics</i> , 2014 , 14, 1350007	0.8	6
128	Ensemble Averaging for Dynamical Systems Under Fast Oscillating Random Boundary Conditions. <i>Stochastic Analysis and Applications</i> , 2014 , 32, 944-961	1.1	3
127	Mean Exit Time and Escape Probability for Dynamical Systems Driven by Lévy Noises. <i>SIAM Journal of Scientific Computing</i> , 2014 , 36, A887-A906	2.6	57
126	Impact of Correlated Noises on Additive Dynamical Systems. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-6	1.1	1
125	Asymmetric non-Gaussian effects in a tumor growth model with immunization. <i>Applied Mathematical Modelling</i> , 2014 , 38, 4428-4444	4.5	12
124	Stochastic averaging principle for dynamical systems with fractional Brownian motion. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014 , 19, 1197-1212	1.3	24
123	Lévy noise-induced stochastic resonance in a bistable system. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	64
122	Approximating Dynamics of a Singularly Perturbed Stochastic Wave Equation with a Random Dynamical Boundary Condition. <i>SIAM Journal on Mathematical Analysis</i> , 2013 , 45, 2790-2814	1.7	6
121	Simulating Stochastic Inertial Manifolds by a Backward-Forward Approach. <i>SIAM Journal on Applied Dynamical Systems</i> , 2013 , 12, 487-514	2.8	11
120	Convergence of global attractors of a 2D non-Newtonian system to the global attractor of the 2D Navier-Stokes system. <i>Science China Mathematics</i> , 2013 , 56, 253-265	0.8	6
119	An alternative expression for stochastic dynamical systems with parametric Poisson white noise. <i>Probabilistic Engineering Mechanics</i> , 2013 , 32, 1-4	2.6	13
118	Random Dynamics of the Stochastic Boussinesq Equations Driven by Lévy Noises. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-10	0.7	1
117	Non-Gaussian dynamics of a tumor growth system with immunization. <i>Inverse Problems and Imaging</i> , 2013 , 7, 697-716	2.1	3
116	Slow manifolds for multi-time-scale stochastic evolutionary systems. <i>Communications in Mathematical Sciences</i> , 2013 , 11, 141-162	1	19
115	Escape Probability for Stochastic Dynamical Systems with Jumps. <i>Springer Proceedings in Mathematics and Statistics</i> , 2013 , 195-216	0.2	8

114	Quantifying Model Uncertainties in the Space of Probability Measures. <i>Interdisciplinary Mathematical Sciences</i> , 2012 , 99-110	0.5	
113	Large deviations and approximations for slow-fast stochastic reaction-diffusion equations. <i>Journal of Differential Equations</i> , 2012 , 253, 3501-3522	2.1	21
112	Fokker-Planck equations for nonlinear dynamical systems driven by non-Gaussian Lévy processes. <i>Journal of Mathematical Physics</i> , 2012 , 53, 072701	1.2	16
111	Complex projective synchronization in coupled chaotic complex dynamical systems. <i>Nonlinear Dynamics</i> , 2012 , 69, 771-779	5	62
110	Global well-posedness of a stochastic coupled Kuramoto-Bivashinsky and Ginzburg-Landau-type model for the Marangoni convection. <i>Journal of Mathematical Physics</i> , 2012 , 53, 033710	1.2	1
109	APPROXIMATION OF INVARIANT FOLIATIONS FOR STOCHASTIC DYNAMICAL SYSTEMS. <i>Stochastics and Dynamics</i> , 2012 , 12, 1150011	0.8	5
108	UPPER SEMICONTINUITY OF GLOBAL ATTRACTORS FOR 2D NAVIER-STOKES EQUATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250046	2	4
107	MEAN EXIT TIME AND ESCAPE PROBABILITY FOR A TUMOR GROWTH SYSTEM UNDER NON-GAUSSIAN NOISE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250090	2	7
106	Impact of α -stable Lévy noise on the Stommel model for the thermohaline circulation. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2012 , 17, 1575-1584	1.3	1
105	Stochastic bifurcations in a bistable Duffing-Van der Pol oscillator with colored noise. <i>Physical Review E</i> , 2011 , 83, 056215	2.4	117
104	Averaging, Homogenization and Slow Manifolds for Stochastic Partial Differential Equations. <i>Interdisciplinary Mathematical Sciences</i> , 2011 , 89-125	0.5	1
103	An averaging principle for stochastic dynamical systems with Lévy noise. <i>Physica D: Nonlinear Phenomena</i> , 2011 , 240, 1395-1401	3.3	100
102	A delay-dependent stability criterion for nonlinear stochastic delay-integro-differential equations. <i>Acta Mathematica Scientia</i> , 2011 , 31, 1813-1822	0.7	
101	A computational analysis for mean exit time under non-Gaussian Lévy noises. <i>Applied Mathematics and Computation</i> , 2011 , 218, 1845-1856	2.7	11
100	Asymptotic behavior of solutions for random wave equations with nonlinear damping and white noise. <i>Nonlinear Analysis: Real World Applications</i> , 2011 , 12, 464-478	2.1	31
99	Dynamical behavior of the activator-repressor circuit model under random fluctuations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 1978-1985	3.7	2
98	Evolution systems of measures for stochastic flows. <i>Dynamical Systems</i> , 2011 , 26, 323-334	0.6	2
97	A Taylor expansion approach for solving partial differential equations with random Neumann boundary conditions. <i>Applied Mathematics and Computation</i> , 2011 , 217, 9532-9542	2.7	3

96	Geometric shape of invariant manifolds for a class of stochastic partial differential equations). <i>Journal of Mathematical Physics</i> , 2011 , 52, 072702	1.2	11
95	State space decomposition for non-autonomous dynamical systems. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2011 , 141, 957-974	1	2
94	AN AVERAGING PRINCIPLE FOR TWO-SCALE STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS. <i>Stochastics and Dynamics</i> , 2011 , 11, 353-367	0.8	16
93	Global Mild Solutions and Attractors for Stochastic Viscous Cahn-Hilliard Equation. <i>Abstract and Applied Analysis</i> , 2011 , 2011, 1-22	0.7	1
92	Asymptotic behavior for a semilinear second order evolution equation. <i>Transactions of the American Mathematical Society</i> , 2011 , 363, 6085-6109	1	15
91	Quantifying Model Uncertainties in Complex Systems 2011 , 221-252		1
90	Effective dynamics of a coupled microscopic-macroscopic stochastic system. <i>Acta Mathematica Scientia</i> , 2010 , 30, 2064-2076	0.7	1
89	Synchronization of Dissipative Dynamical Systems Driven by Non-Gaussian Lévy Noises. <i>International Journal of Stochastic Analysis</i> , 2010 , 2010, 1-13		5
88	An impact of noise on invariant manifolds in nonlinear dynamical systems. <i>Journal of Mathematical Physics</i> , 2010 , 51, 042702	1.2	18
87	Large deviations for the stochastic quasigeostrophic equation with multiplicative noise. <i>Journal of Mathematical Physics</i> , 2010 , 51, 053301	1.2	3
86	Invariant Manifolds for Random and Stochastic Partial Differential Equations. <i>Advanced Nonlinear Studies</i> , 2010 , 10, 23-52	1.2	46
85	Rare events in the Boussinesq system with fluctuating dynamical boundary conditions. <i>Journal of Differential Equations</i> , 2010 , 248, 1269-1296	2.1	8
84	Random attractor for the Ladyzhenskaya model with additive noise. <i>Journal of Mathematical Analysis and Applications</i> , 2010 , 362, 241-251	1.1	22
83	Synchronization of systems of Marcus canonical equations driven by α -stable noises. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 3437-3445	2.1	12
82	Bridging the Boussinesq and primitive equations through spatio-temporal filtering. <i>Applied Mathematics Letters</i> , 2010 , 23, 453-456	3.5	9
81	Stochastic Quantification of Missing Mechanisms in Dynamical Systems. <i>Interdisciplinary Mathematical Sciences</i> , 2010 , 67-76	0.5	3
80	A Sufficient Condition for Non-Explosion for a Class of Stochastic Partial Differential Equations. <i>Interdisciplinary Mathematical Sciences</i> , 2010 , 131-142	0.5	1
79	A sufficient condition for bifurcation in random dynamical systems. <i>Proceedings of the American Mathematical Society</i> , 2010 , 138, 965-973	0.8	3

78	Canonical Sample Spaces for Random Dynamical Systems. <i>Interdisciplinary Mathematical Sciences</i> , 2010 , 53-70	0.5	
77	Random chain recurrent sets for random dynamical systems. <i>Dynamical Systems</i> , 2009 , 24, 537-546	0.6	
76	Random Dynamics of the Boussinesq System with Dynamical Boundary Conditions. <i>Stochastic Analysis and Applications</i> , 2009 , 27, 1096-1116	1.1	7
75	Pseudorandom numbers for conformal measures. <i>Dynamical Systems</i> , 2009 , 24, 439-457	0.6	
74	Exponential stability of the multi-layer quasi-geostrophic ocean model with delays. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009 , 71, 799-811	1.3	6
73	Stochastic modeling of unresolved scales in complex systems. <i>Frontiers of Mathematics in China</i> , 2009 , 4, 425-436	0.8	3
72	Large deviations for the Boussinesq equations under random influences. <i>Stochastic Processes and Their Applications</i> , 2009 , 119, 2052-2081	1.1	65
71	Structure of the set of bounded solutions for a class of nonautonomous second-order differential equations. <i>Journal of Differential Equations</i> , 2009 , 246, 1754-1773	2.1	5
70	Reductions and Deviations for Stochastic Partial Differential Equations Under Fast Dynamical Boundary Conditions. <i>Stochastic Analysis and Applications</i> , 2009 , 27, 431-459	1.1	19
69	A Stochastic Approach for Parameterizing Unresolved Scales in a System with Memory. <i>Journal of Algorithms and Computational Technology</i> , 2009 , 3, 393-405	0.7	8
68	AN INTERMEDIATE REGIME FOR EXIT PHENOMENA DRIVEN BY NON-GAUSSIAN LÉVY NOISES. <i>Stochastics and Dynamics</i> , 2008 , 08, 583-591	0.8	8
67	On global attractors for a class of nonhyperbolic piecewise affine maps. <i>Physica D: Nonlinear Phenomena</i> , 2008 , 237, 3369-3376	3.3	14
66	Exponential stability of non-autonomous stochastic partial differential equations with finite memory. <i>Statistics and Probability Letters</i> , 2008 , 78, 490-498	0.6	31
65	Dynamics of transport under random fluxes on the boundary. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008 , 13, 1627-1641	3.7	5
64	General matrix-valued inhomogeneous linear stochastic differential equations and applications. <i>Statistics and Probability Letters</i> , 2008 , 78, 2361-2365	0.6	3
63	An Impact of Stochastic Dynamic Boundary Conditions on the Evolution of the Cahn-Hilliard System. <i>Stochastic Analysis and Applications</i> , 2007 , 25, 613-639	1.1	10
62	Global attractors and invariant measures for non-invertible planar piecewise isometric maps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 371, 285-290	2.3	7
61	Homogenized Dynamics of Stochastic Partial Differential Equations with Dynamical Boundary Conditions. <i>Communications in Mathematical Physics</i> , 2007 , 275, 163-186	2	19

60	Impact of boundary conditions on entrainment and transport in gravity currents. <i>Applied Mathematical Modelling</i> , 2007 , 31, 1338-1350	4.5	3
59	Slow integral manifolds for Lagrangian fluid dynamics in unsteady geophysical flows. <i>Physica D: Nonlinear Phenomena</i> , 2007 , 233, 73-82	3.3	1
58	Effective Macroscopic Dynamics of Stochastic Partial Differential Equations in Perforated Domains. <i>SIAM Journal on Mathematical Analysis</i> , 2007 , 38, 1508-1527	1.7	13
57	A dynamical approximation for stochastic partial differential equations. <i>Journal of Mathematical Physics</i> , 2007 , 48, 102701	1.2	14
56	Stochastic parameterization for large eddy simulation of geophysical flows. <i>Proceedings of the American Mathematical Society</i> , 2007 , 135, 1187-1187	0.8	26
55	Large eddy simulation of stratified mixing in two-dimensional dam-break problem in a rectangular enclosed domain. <i>Ocean Modelling</i> , 2007 , 16, 106-140	3	53
54	Uniform Attractors for Nonautonomous Wave Equations with Nonlinear Damping. <i>SIAM Journal on Applied Dynamical Systems</i> , 2007 , 6, 293-318	2.8	30
53	Non-autonomous dynamics of wave equations with nonlinear damping and critical nonlinearity. <i>Nonlinearity</i> , 2006 , 19, 2645-2665	1.7	29
52	Feedback Stabilization for Oseen Fluid Equations: A Stochastic Approach. <i>Journal of Mathematical Fluid Mechanics</i> , 2005 , 7, 574-610	1.4	3
51	Ergodic dynamics of the stochastic Swift-Hohenberg system. <i>Nonlinear Analysis: Real World Applications</i> , 2005 , 6, 273-295	2.1	4
50	Enstrophy and Ergodicity Of Gravity Currents. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2005 , 61-77	0.5	
49	A MARKOV JUMP PROCESS APPROXIMATION OF THE STOCHASTIC BURGERS EQUATION. <i>Stochastics and Dynamics</i> , 2004 , 04, 245-264	0.8	3
48	Almost Periodic Solutions and Global Attractors of Non-autonomous Navier-Stokes Equations. <i>Journal of Dynamics and Differential Equations</i> , 2004 , 16, 1-34	1.3	24
47	Dynamics of a coupled atmosphere-ocean model. <i>Nonlinear Analysis: Real World Applications</i> , 2004 , 5, 667-693	2.1	3
46	Smooth Stable and Unstable Manifolds for Stochastic Evolutionary Equations. <i>Journal of Dynamics and Differential Equations</i> , 2004 , 16, 949-972	1.3	83
45	A Wiener-Ito approximation technique for a multiple plate diffraction problem. <i>Mathematical Methods in the Applied Sciences</i> , 2004 , 27, 19-34	2.3	1
44	Dynamics of the thermohaline circulation under uncertainty. <i>Journal of Mathematical Analysis and Applications</i> , 2004 , 296, 140-153	1.1	1
43	Entrainment in bottom gravity currents over complex topography from three-dimensional nonhydrostatic simulations. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	31

42	Three-Dimensional Turbulent Bottom Density Currents from a High-Order Nonhydrostatic Spectral Element Model. <i>Journal of Physical Oceanography</i> , 2004 , 34, 2006-2026	2.4	66
41	Recurrent motions and global attractors of non-autonomous Lorenz systems. <i>Dynamical Systems</i> , 2004 , 19, 41-59	0.6	7
40	Invariant manifolds for stochastic partial differential equations. <i>Annals of Probability</i> , 2003 , 31, 2109	1.9	144
39	Dynamics of quasi-geostrophic fluid motion with rapidly oscillating Coriolis force. <i>Nonlinear Analysis: Real World Applications</i> , 2003 , 4, 127-138	2.1	5
38	Generalization of the second Bogolyubov's theorem for non-almost periodic systems. <i>Nonlinear Analysis: Real World Applications</i> , 2003 , 4, 599-613	2.1	4
37	Recurrent motions in the nonautonomous Navier-Stokes system. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2003 , 3, 255-262	1.3	5
36	The 3D Quasigeostrophic Fluid Dynamics Under Random Forcing On Boundary. <i>Communications in Mathematical Sciences</i> , 2003 , 1, 133-151	1	44
35	Time-periodically forced amplitude evolution in spatially extended nonlinear systems. <i>Applied Mathematics and Computation</i> , 2002 , 127, 215-219	2.7	
34	Enstrophy dynamics of stochastically forced large-scale geophysical flows. <i>Journal of Mathematical Physics</i> , 2002 , 43, 2616	1.2	1
33	STOCHASTIC DYNAMICS OF A COUPLED ATMOSPHERE-OCEAN MODEL. <i>Stochastics and Dynamics</i> , 2002 , 02, 357-380	0.8	27
32	On the stochastic Kuramoto-Bivashinsky equation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001 , 44, 205-216	1.3	23
31	The effect of changing the Coriolis force gradient parameter on the escape probability and mean residence time. <i>Applied Mathematics and Computation</i> , 2001 , 118, 261-273	2.7	1
30	PROBABILISTIC DYNAMICS OF TWO-LAYER GEOPHYSICAL FLOWS. <i>Stochastics and Dynamics</i> , 2001 , 01, 451-475	0.8	7
29	Escape probability and mean residence time in random flows with unsteady drift. <i>Mathematical Problems in Engineering</i> , 2001 , 7, 55-65	1.1	8
28	Ergodicity of stochastically forced large scale geophysical flows. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2001 , 28, 313-320	0.8	11
27	Exponential stability of the quasigeostrophic equation under random perturbations 2001 , 241-256		2
26	Almost Periodic Passive Tracer Dispersion. <i>Journal of Mathematical Analysis and Applications</i> , 2000 , 247, 300-308	1.1	3
25	Asymptotics for the Generalized Two-Dimensional Ginzburg-Landau Equation. <i>Journal of Mathematical Analysis and Applications</i> , 2000 , 247, 198-216	1.1	33

24	On nonlinear amplitude evolution under stochastic forcing. <i>Applied Mathematics and Computation</i> , 2000 , 109, 59-65	2.7	2
23	Probabilistic structural dynamics of protein folding. <i>Applied Mathematics and Computation</i> , 2000 , 113, 97-100	2.7	2
22	CHAOTIC PROPERTIES OF SUBSHIFTS GENERATED BY A NONPERIODIC RECURRENT ORBIT. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000 , 10, 1067-1073	2	5
21	Asymptotic dynamical difference between the nonlocal and local Swift-Hohenberg models. <i>Journal of Mathematical Physics</i> , 2000 , 41, 2077-2089	1.2	15
20	Escape probability, mean residence time and geophysical fluid particle dynamics. <i>Physica D: Nonlinear Phenomena</i> , 1999 , 133, 23-33	3.3	11
19	Time-periodic quasigeostrophic motion under dissipation and forcing. <i>Applied Mathematics and Computation</i> , 1999 , 102, 121-127	2.7	5
18	A remark on the three dimensional baroclinic quasi-geostrophic dynamics. <i>Applied Mathematics and Computation</i> , 1999 , 106, 285-288	2.7	1
17	Infinite-Dimensional Linear Dynamical Systems with Chaoticity. <i>Journal of Nonlinear Science</i> , 1999 , 9, 197-211	2.8	19
16	Dissipative Quasi-Geostrophic Motion under Temporally Almost Periodic Forcing. <i>Journal of Mathematical Analysis and Applications</i> , 1999 , 236, 74-85	1.1	10
15	Dynamics of a Nonlocal Kuramoto-Sivashinsky Equation. <i>Journal of Differential Equations</i> , 1998 , 143, 243-266	2.1	17
14	Dissipative Quasi-geostrophic Dynamics under Random Forcing. <i>Journal of Mathematical Analysis and Applications</i> , 1998 , 228, 221-233	1.1	16
13	Limit set of trajectories of the coupled viscous Burgers' equations. <i>Applied Mathematics Letters</i> , 1998 , 11, 57-61	3.5	80
12	On a coupled Kuramoto-Sivashinsky and Ginzburg-Landau-type model for the Marangoni convection. <i>Journal of Mathematical Physics</i> , 1997 , 38, 2465-2474	1.2	6
11	On the Initial-Value Problem for the Generalized Two-Dimensional Ginzburg-Landau Equation. <i>Journal of Mathematical Analysis and Applications</i> , 1997 , 216, 536-548	1.1	33
10	Fluid Exchange across a Meandering Jet Quasiperiodic Variability. <i>Journal of Physical Oceanography</i> , 1996 , 26, 1176-1188	2.4	57
9	The effect of nonlocal interactions on the dynamics of the Ginzburg-Landau equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1996 , 47, 432-455	1.6	15
8	Fronts, domain walls and pulses in a generalized Ginzburg-Landau equation*. <i>Proceedings of the Edinburgh Mathematical Society</i> , 1995 , 38, 77-97	0.7	28
7	On the cauchy problem of a generalized ginzburg-landau equation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 1994 , 22, 1033-1040	1.3	38

6	Regularity, approximation and asymptotic dynamics for a generalized Ginzburg-Landau equation. <i>Nonlinearity</i> , 1993 , 6, 915-933	1.7	58
5	Global existence theory for a generalized Ginzburg-Landau equation. <i>Nonlinearity</i> , 1992 , 5, 1303-1314	1.7	63
4	State estimation under non-Gaussian Lévy noise: A modified Kalman filtering method. <i>Banach Center Publications</i> ,105, 239-246		6
3	Influence of extreme events modeled by Lévy flight on global thermohaline circulation stability		2
2	Effective Reduction for a Nonlocal Zakai Stochastic Partial Differential Equation in Data Assimilation. <i>Journal of Dynamics and Differential Equations</i> ,1	1.3	
1	A logistic-harvest model with allee effect under multiplicative noise. <i>Stochastics and Dynamics</i> ,2150044	0.8	3