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	Invariant manifolds for stochastic partial differential equations. Annals of Probability, 2003, 31, 2109.	1.8	180
2	Stochastic bifurcations in a bistable Duffing--Van der Pol oscillator with colored noise. Physical Review E, 2011, 83, 056215.	2.1	157
3	An averaging principle for stochastic dynamical systems with Lévy noise. Physica D: Nonlinear Phenomena, 2011, 240, 1395-1401.	2.8	138
4	Restoration of rhythmicity in diffusively coupled dynamical networks. Nature Communications, 2015, 6, 7709.	12.8	131
5	Smooth Stable and Unstable Manifolds for Stochastic Evolutionary Equations. Journal of Dynamics and Differential Equations, 2004, 16, 949-972.	1.9	104
6	Limit set of trajectories of the coupled viscous Burgers' equations. Applied Mathematics Letters, 1998, 11, 57-61.	2.7	96
7	Large deviations for the Boussinesq equations under random influences. Stochastic Processes and Their Applications, 2009, 119, 2052-2081.	0.9	84
8	Lévy noise-induced stochastic resonance in a bistable system. European Physical Journal B, 2013, 86, 1.	1.5	77
9	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
10	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
11	Global existence theory for a generalized Ginzburg-Landau equation. Nonlinearity, 1992, 5, 1303-1314.	1.4	70
12	Complex projective synchronization in coupled chaotic complex dynamical systems. Nonlinear Dynamics, 2012, 69, 771-779.	5.2	67
13	Regularity, approximation and asymptotic dynamics for a generalized Ginzburg-Landau equation. Nonlinearity, 1993, 6, 915-933.	1.4	62
14	Invariant Manifolds for Random and Stochastic Partial Differential Equations. Advanced Nonlinear Studies, 2010, 10, 23-52.	1.7	62
15	Fluid Exchange across a Meandering Jet Quasiperiodic Variability. Journal of Physical Oceanography, 1996, 26, 1176-1188.	1.7	60
16	Linearized compact ADI schemes for nonlinear time-fractional Schrödinger equations. Applied Mathematics Letters, 2018, 84, 160-167.	2.7	58
17	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
18	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

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19	Non-autonomous dynamics of wave equations with nonlinear damping and critical nonlinearity. Nonlinearity, 2006, 19, 2645-2665.	1.4	51
20	The 3D Quasigeostrophic Fluid Dynamics Under Random Forcing On Boundary. Communications in Mathematical Sciences, 2003, 1, 133-151.	1.0	48
21	Stochastic basins of attraction for metastable states. Chaos, 2016, 26, 073117.	2.5	47
22	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
23	Uniform Attractors for Nonautonomous Wave Equations with Nonlinear Damping. SIAM Journal on Applied Dynamical Systems, 2007, 6, 293-318.	1.6	43
24	Transitions in a genetic transcriptional regulatory system under Lévy motion. Scientific Reports, 2016, 6, 29274.	3.3	41
25	On the cauchy problem of a generalized ginzburg–landau equation. Nonlinear Analysis: Theory, Methods & Applications, 1994, 22, 1033-1040.	1.1	40
26	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
27	Asymptotics for the Generalized Two-Dimensional Ginzburg–Landau Equation. Journal of Mathematical Analysis and Applications, 2000, 247, 198-216.	1.0	39
28	Exponential stability of non-autonomous stochastic partial differential equations with finite memory. Statistics and Probability Letters, 2008, 78, 490-498.	0.7	39
29	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
30	Emergence of amplitude and oscillation death in identical coupled oscillators. Physical Review E, 2014, 90, 032906.	2.1	38
31	Fokker–Planck equations for stochastic dynamical systems with symmetric Lévy motions. Applied Mathematics and Computation, 2016, 278, 1-20.	2.2	37
32	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
33	On the Initial-Value Problem for the Generalized Two-Dimensional Ginzburg–Landau Equation. Journal of Mathematical Analysis and Applications, 1997, 216, 536-548.	1.0	33
34	A data-driven approach for discovering stochastic dynamical systems with non-Gaussian Lévy noise. Physica D: Nonlinear Phenomena, 2021, 417, 132830.	2.8	33
35	Fronts, domain walls and pulses in a generalized Ginzburg-Landau equation. Proceedings of the Edinburgh Mathematical Society, 1995, 38, 77-97.	0.3	32
36	On the stochastic Kuramoto–Sivashinsky equation. Nonlinear Analysis: Theory, Methods & Applications, 2001, 44, 205-216.	1.1	32

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37	Stochastic parameterization for large eddy simulation of geophysical flows. Proceedings of the American Mathematical Society, 2007, 135, 1187-1187.	0.8	32
38	The maximum likelihood climate change for global warming under the influence of greenhouse effect and LÃ©vy noise. Chaos, 2020, 30, 013132.	2.5	32
39	Particle dynamics and transport enhancement in a confined channel with position-dependent diffusivity. New Journal of Physics, 2020, 22, 053016.	2.9	31
40	STOCHASTIC DYNAMICS OF A COUPLED ATMOSPHEREâ€"OCEAN MODEL. Stochastics and Dynamics, 2002, 02, 357-380.	1.2	30
41	Large deviations and approximations for slowâ€"fast stochastic reactionâ€"diffusion equations. Journal of Differential Equations, 2012, 253, 3501-3522.	2.2	29
42	Stochastic averaging principle for dynamical systems with fractional Brownian motion. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 1197-1212.	0.9	29
43	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
44	AN AVERAGING PRINCIPLE FOR TWO-SCALE STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS. Stochastics and Dynamics, 2011, 11, 353-367.	1.2	27
45	Asymptotic behavior for a semilinear second order evolution equation. Transactions of the American Mathematical Society, 2011, 363, 6085-6109.	0.9	27
46	LÃ©vy noise-induced escape in an excitable system. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 063503.	2.3	27
47	Dynamics of a Nonlocal Kuramotoâ€"Sivashinsky Equation. Journal of Differential Equations, 1998, 143, 243-266.	2.2	26
48	Homogenized Dynamics of Stochastic Partial Differential Equations with Dynamical Boundary Conditions. Communications in Mathematical Physics, 2007, 275, 163-186.	2.2	26
49	Enhancing dynamical robustness in aging networks of coupled nonlinear oscillators. Europhysics Letters, 2016, 114, 40004.	2.0	26
50	LÃ©vy noise induced transition and enhanced stability in a gene regulatory network. Chaos, 2018, 28, 075510.	2.5	26
51	Most probable dynamics of a genetic regulatory network under stable LÃ©vy noise. Applied Mathematics and Computation, 2019, 348, 425-436.	2.2	24
52	Approximation for random stable manifolds under multiplicative correlated noises. Discrete and Continuous Dynamical Systems - Series B, 2016, 21, 3163-3174.	0.9	24
53	Slow manifolds for multi-time-scale stochastic evolutionary systems. Communications in Mathematical Sciences, 2013, 11, 141-162.	1.0	24
54	Infinite-Dimensional Linear Dynamical Systems with Chaoticity. Journal of Nonlinear Science, 1999, 9, 197-211.	2.1	23

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55	Reductions and Deviations for Stochastic Partial Differential Equations Under Fast Dynamical Boundary Conditions. Stochastic Analysis and Applications, 2009, 27, 431-459.	1.5	23
56	Random attractor for the Ladyzhenskaya model with additive noise. Journal of Mathematical Analysis and Applications, 2010, 362, 241-251.	1.0	23
57	Impacts of noise on a class of partial differential equations. Journal of Differential Equations, 2015, 258, 2196-2220.	2.2	23
58	Most probable dynamics of some nonlinear systems under noisy fluctuations. Communications in Nonlinear Science and Numerical Simulation, 2016, 30, 108-114.	3.3	23
59	Dissipative Quasi-geostrophic Dynamics under Random Forcing. Journal of Mathematical Analysis and Applications, 1998, 228, 221-233.	1.0	22
60	Synchronization of an evolving complex hyper-network. Applied Mathematical Modelling, 2014, 38, 2961-2968.	4.2	22
61	Learning and meta-learning of stochastic advectionâ€"diffusionâ€"reaction systems from sparse measurements. European Journal of Applied Mathematics, 2021, 32, 397-420.	2.9	22
62	An impact of noise on invariant manifolds in nonlinear dynamical systems. Journal of Mathematical Physics, 2010, 51, .	1.1	20
63	The Onsagerâ€"Machlup function as Lagrangian for the most probable path of a jump-diffusion process. Nonlinearity, 2019, 32, 3715-3741.	1.4	20
64	The tipping times in an Arctic sea ice system under influence of extreme events. Chaos, 2020, 30, 063125.	2.5	20
65	A dynamical approximation for stochastic partial differential equations. Journal of Mathematical Physics, 2007, 48, 102701.	1.1	19
66	Metastability for discontinuous dynamical systems under LÃ©vy noise: Case study on Amazonian Vegetation. Scientific Reports, 2017, 7, 9336.	3.3	19
67	Discovering transition phenomena from data of stochastic dynamical systems with LÃ©vy noise. Chaos, 2020, 30, 093110.	2.5	19
68	Machine learning framework for computing the most probable paths of stochastic dynamical systems. Physical Review E, 2021, 103, 012124.	2.1	19
69	Detecting the maximum likelihood transition path from data of stochastic dynamical systems. Chaos, 2020, 30, 113124.	2.5	19
70	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
71	Asymptotic dynamical difference between the nonlocal and local Swiftâ€"Hohenberg models. Journal of Mathematical Physics, 2000, 41, 2077-2089.	1.1	18
72	Effective Macroscopic Dynamics of Stochastic Partial Differential Equations in Perforated Domains. SIAM Journal on Mathematical Analysis, 2007, 38, 1508-1527.	1.9	17

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73	Fokker-Planck equations for nonlinear dynamical systems driven by non-Gaussian LÃ©vy processes. Journal of Mathematical Physics, 2012, 53, .	1.1	17
74	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
75	Ergodicity of stochastically forced large scale geophysical flows. International Journal of Mathematics and Mathematical Sciences, 2001, 28, 313-320.	0.7	16
76	Synchronization of systems of Marcus canonical equations driven by -stable noises. Nonlinear Analysis: Real World Applications, 2010, 11, 3437-3445.	1.7	16
77	A Wong-Zakai approximation for random invariant manifolds. Journal of Mathematical Physics, 2017, 58, .	1.1	16
78	An averaging principle for fractional stochastic differential equations with LÃ©vy noise. Chaos, 2020, 30, 083126.	2.5	16
79	Discovering governing equation from data for multi-stable energy harvester under white noise. Nonlinear Dynamics, 2021, 106, 2829-2840.	5.2	16
80	A computational analysis for mean exit time under non-Gaussian LÃ©vy noises. Applied Mathematics and Computation, 2011, 218, 1845-1856.	2.2	15
81	An alternative expression for stochastic dynamical systems with parametric Poisson white noise. Probabilistic Engineering Mechanics, 2013, 32, 1-4.	2.7	15
82	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
83	Likelihood for transcriptions in a genetic regulatory system under asymmetric stable LÃ©vy noise. Chaos, 2018, 28, 013121.	2.5	15
84	Discovering mean residence time and escape probability from data of stochastic dynamical systems. Chaos, 2019, 29, 093122.	2.5	15
85	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
86	On global attractors for a class of nonhyperbolic piecewise affine maps. Physica D: Nonlinear Phenomena, 2008, 237, 3369-3376.	2.8	14
87	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
88	Asymmetric non-Gaussian effects in a tumor growth model with immunization. Applied Mathematical Modelling, 2014, 38, 4428-4444.	4.2	14
89	Nonlinear filtering of stochastic dynamical systems with LÃ©vy noises. Advances in Applied Probability, 2015, 47, 902-918.	0.7	14
90	Escape probability, mean residence time and geophysical fluid particle dynamics. Physica D: Nonlinear Phenomena, 1999, 133, 23-33.	2.8	13

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91	Dissipative Quasi-Geostrophic Motion under Temporally Almost Periodic Forcing. Journal of Mathematical Analysis and Applications, 1999, 236, 74-85.	1.0	13
92	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
93	Geometric shape of invariant manifolds for a class of stochastic partial differential equations. Journal of Mathematical Physics, 2011, 52, .	1.1	13
94	Centre manifolds for stochastic evolution equations. Journal of Difference Equations and Applications, 2015, 21, 606-632.	1.1	13
95	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
96	The influences of correlated spatially random perturbations on first passage time in a linear-cubic potential. Chaos, 2019, 29, 101102.	2.5	13
97	Extracting Governing Laws from Sample Path Data of Non-Gaussian Stochastic Dynamical Systems. Journal of Statistical Physics, 2022, 186, 1.	1.2	13
98	Stability and convergence of compact finite difference method for parabolic problems with delay. Applied Mathematics and Computation, 2018, 322, 129-139.	2.2	12
99	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
100	On the shape Conley index theory of semiflows on complete metric spaces. Discrete and Continuous Dynamical Systems, 2015, 36, 1629-1647.	0.9	12
101	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
102	Rare events in the Boussinesq system with fluctuating dynamical boundary conditions. Journal of Differential Equations, 2010, 248, 1269-1296.	2.2	11
103	Simulating Stochastic Inertial Manifolds by a Backward-Forward Approach. SIAM Journal on Applied Dynamical Systems, 2013, 12, 487-514.	1.6	11
104	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
105	Most probable dynamics of stochastic dynamical systems with exponentially light jump fluctuations. Chaos, 2020, 30, 063142.	2.5	11
106	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
107	Random Dynamics of the Boussinesq System with Dynamical Boundary Conditions. Stochastic Analysis and Applications, 2009, 27, 1096-1116.	1.5	10
108	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

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109	A parameter estimation method based on random slow manifolds. Applied Mathematical Modelling, 2015, 39, 3721-3732.	4.2	10
110	Data assimilation and parameter estimation for a multiscale stochastic system with<i>α</i>-stable Lévy noise. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 113401.	2.3	10
111	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
112	Extracting non-Gaussian governing laws from data on mean exit time. Chaos, 2020, 30, 113112.	2.5	10
113	PROBABILISTIC DYNAMICS OF TWO-LAYER GEOPHYSICAL FLOWS. Stochastics and Dynamics, 2001, 01, 451-475.	1.2	9
114	Recurrent motions and global attractors of non-autonomous Lorenz systems. Dynamical Systems, 2004, 19, 41-59.	0.4	9
115	Bridging the Boussinesq and primitive equations through spatio-temporal filtering. Applied Mathematics Letters, 2010, 23, 453-456.	2.7	9
116	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
117	Slow foliation of a slow–fast stochastic evolutionary system. Journal of Functional Analysis, 2014, 267, 2663-2697.	1.4	9
118	Dynamical inference for transitions in stochastic systems with<i>α</i>-stable Lévy noise. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 294002.	2.1	9
119	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
120	A logistic-harvest model with allee effect under multiplicative noise. Stochastics and Dynamics, 0, , 2150044.	1.2	9
121	Escape Probability for Stochastic Dynamical Systems with Jumps. Springer Proceedings in Mathematics and Statistics, 2013, , 195-216.	0.2	9
122	Behavioral synchronization induced by epidemic spread in complex networks. Chaos, 2017, 27, 063101.	2.5	9
123	Escape probability and mean residence time in random flows with unsteady drift. Mathematical Problems in Engineering, 2001, 7, 55-65.	1.1	8
124	AN INTERMEDIATE REGIME FOR EXIT PHENOMENA DRIVEN BY NON-GAUSSIAN LÉVY NOISES. Stochastics and Dynamics, 2008, 08, 583-591.	1.2	8
125	Effective filtering on a random slow manifold. Nonlinearity, 2018, 31, 4649-4666.	1.4	8
126	The Cauchy problem for the Ostrovsky equation with positive dispersion. Nonlinear Differential Equations and Applications, 2018, 25, 1.	0.8	8

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127	Slow manifolds for dynamical systems with non-Gaussian stable Lévy noise. Analysis and Applications, 2019, 17, 477-511.	2.2	8
128	An end-to-end deep learning approach for extracting stochastic dynamical systems with <i>α</i> -stable Lévy noise. Chaos, 2022, 32, .	2.5	8
129	Extracting stochastic governing laws by non-local Kramers–Moyal formulae. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	8
130	On a coupled Kuramoto–Sivashinsky and Ginzburg–Landau-type model for the Marangoni convection. Journal of Mathematical Physics, 1997, 38, 2465-2474.	1.1	7
131	Dynamics of transport under random fluxes on the boundary. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1627-1641.	3.3	7
132	Ensemble Averaging for Dynamical Systems Under Fast Oscillating Random Boundary Conditions. Stochastic Analysis and Applications, 2014, 32, 944-961.	1.5	7
133	A nonlocal Fokker–Planck equation for non-Gaussian stochastic dynamical systems. Applied Mathematics Letters, 2015, 49, 1-6.	2.7	7
134	Slow manifolds for a nonlocal fast-slow stochastic system with stable Lévy noise. Journal of Mathematical Physics, 2019, 60, .	1.1	7
135	Hamiltonian systems with Lévy noise: Symplecticity, Hamilton's principle and averaging principle. Physica D: Nonlinear Phenomena, 2019, 398, 69-83.	2.8	7
136	State transitions in the Morris-Lecar model under stable Lévy noise. European Physical Journal B, 2020, 93, 1.	1.5	7
137	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
138	Global well-posedness of the stochastic Camassa–Holm equation. Communications in Mathematical Sciences, 2021, 19, 607-627.	1.0	7
139	Extracting stochastic dynamical systems with α-stable Lévy noise from data. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 023405.	2.3	7
140	An optimal control method to compute the most likely transition path for stochastic dynamical systems with jumps. Chaos, 2022, 32, .	2.5	7
141	Time-periodic quasigeostrophic motion under dissipation and forcing. Applied Mathematics and Computation, 1999, 102, 121-127.	2.2	6
142	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
143	Dynamics of quasi-geostrophic fluid motion with rapidly oscillating Coriolis force. Nonlinear Analysis: Real World Applications, 2003, 4, 127-138.	1.7	6
144	Impact of boundary conditions on entrainment and transport in gravity currents. Applied Mathematical Modelling, 2007, 31, 1338-1350.	4.2	6

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145	Exponential stability of the multi-layer quasi-geostrophic ocean model with delays. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 799-811.	1.1	6
146	Stochastic modeling of unresolved scales in complex systems. Frontiers of Mathematics in China, 2009, 4, 425-436.	0.7	6
147	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
148	UPPER SEMICONTINUITY OF GLOBAL ATTRACTORS FOR 2D NAVIERâ€"STOKES EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250046.	1.7	6
149	TOPOLOGICAL EQUIVALENCE FOR DISCONTINUOUS RANDOM DYNAMICAL SYSTEMS AND APPLICATIONS. Stochastics and Dynamics, 2014, 14, 1350007.	1.2	6
150	Asymptotic methods for stochastic dynamical systems with small non-Gaussian LÃ©vy noise. Stochastics and Dynamics, 2015, 15, 1550004.	1.2	6
151	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
152	Global Well-posedness of the Stochastic Generalized Kuramoto-Sivashinsky Equation with Multiplicative Noise. Acta Mathematicae Applicatae Sinica, 2018, 34, 566-584.	0.7	6
153	The Cauchy problem for a two-dimensional generalized Kadomtsevâ€"Petviashvili-I equation in anisotropic Sobolev spaces. Analysis and Applications, 2020, 18, 469-522.	2.2	6
154	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
155	Recurrent motions in the nonautonomous Navier-Stokes system. Discrete and Continuous Dynamical Systems - Series B, 2003, 3, 255-262.	0.9	6
156	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
157	State estimation under non-Gaussian LÃ©vy noise: A modified Kalman filtering method. Banach Center Publications, 0, 105, 239-246.	0.1	6
158	Stochastic turbulence for Burgers equation driven by cylindrical LÃ©vy process. Stochastics and Dynamics, 2022, 22, .	1.2	6
159	A machine learning method for computing quasi-potential of stochastic dynamical systems. Nonlinear Dynamics, 2022, 109, 1877-1886.	5.2	6
160	Generalization of the second Bogolyubov's theorem for non-almost periodic systems. Nonlinear Analysis: Real World Applications, 2003, 4, 599-613.	1.7	5
161	A MARKOV JUMP PROCESS APPROXIMATION OF THE STOCHASTIC BURGERS EQUATION. Stochastics and Dynamics, 2004, 04, 245-264.	1.2	5
162	Ergodic dynamics of the stochastic Swiftâ€"Hohenberg system. Nonlinear Analysis: Real World Applications, 2005, 6, 273-295.	1.7	5

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163	Synchronization of Dissipative Dynamical Systems Driven by Non-Gaussian LÃ©vy Noises. International Journal of Stochastic Analysis, 2010, 2010, 1-13.	0.3	5
164	APPROXIMATION OF INVARIANT FOLIATIONS FOR STOCHASTIC DYNAMICAL SYSTEMS. Stochastics and Dynamics, 2012, 12, 1150011.	1.2	5
165	Nonlinear filtering of stochastic dynamical systems with LÃ©vy noises. Advances in Applied Probability, 2015, 47, 902-918.	0.7	5
166	On a stochastic nonlocal conservation law in a bounded domain. Bulletin Des Sciences Mathematiques, 2016, 140, 718-746.	1.0	5
167	Approximation representation of parameterizing manifold and non-Markovian reduced systems for a stochastic Swiftâ€"Hohenberg equation. Applied Mathematics Letters, 2016, 52, 112-117.	2.7	5
168	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
169	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
170	Kinetic Solutions for Nonlocal Scalar Conservation Laws. SIAM Journal on Mathematical Analysis, 2018, 50, 1521-1543.	1.9	5
171	Bounded and unbounded solutions of a discontinuous oscillator at resonance. International Journal of Non-Linear Mechanics, 2018, 105, 146-151.	2.6	5
172	Characterization of the most probable transition paths of stochastic dynamical systems with stable LÃ©vy noise. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 063204.	2.3	5
173	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
174	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
175	Exponential stability of the quasigeostrophic equation under random perturbations. , 2001, , 241-256.		5
176	Total value adjustment of Bermudan option valuation under pure jump LÃ©vy fluctuations. Chaos, 2022, 32, 023127.	2.5	5
177	Learning the temporal evolution of multivariate densities via normalizing flows. Chaos, 2022, 32, 033121.	2.5	5
178	Enstrophy dynamics of stochastically forced large-scale geophysical flows. Journal of Mathematical Physics, 2002, 43, 2616.	1.1	4
179	General matrix-valued inhomogeneous linear stochastic differential equations and applications. Statistics and Probability Letters, 2008, 78, 2361-2365.	0.7	4
180	Large deviations for the stochastic quasigeostrophic equation with multiplicative noise. Journal of Mathematical Physics, 2010, 51, 053301.	1.1	4

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181	Evolution systems of measures for stochastic flows. Dynamical Systems, 2011, 26, 323-334.	0.4	4
182	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
183	Smooth solution of a nonlocal Fokkerâ€"Planck equation associated with stochastic systems with LÃ©vy noise. Applied Mathematics Letters, 2016, 58, 172-177.	2.7	4
184	Slow manifold for a nonlocal stochastic evolutionary system with fast and slow components. Journal of Differential Equations, 2017, 263, 4870-4893.	2.2	4
185	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
186	Fokker-Planck equation driven by asymmetric LÃ©vy motion. Advances in Computational Mathematics, 2019, 45, 787-811.	1.6	4
187	Centre manifolds for infinite dimensional random dynamical systems. Dynamical Systems, 2019, 34, 334-355.	0.4	4
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