

# Caibin Zeng

## List of Publications by Year in descending order

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39  
papers

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docs citations

40  
times ranked

435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mean-square invariant manifolds for ill-posed stochastic evolution equations driven by nonlinear noise. <i>Journal of Differential Equations</i> , 2022, 313, 382-419.	1.1	3
2	Stationary Wong-Zakai Approximation of Fractional Brownian Motion and Stochastic Differential Equations with Noise Perturbations. <i>Fractal and Fractional</i> , 2022, 6, 303.	1.6	0
3	Uniform attractors for a class of stochastic evolution equations with multiplicative fractional noise. <i>Stochastics and Dynamics</i> , 2021, 21, 2150020.	0.6	2
4	Local stable manifolds for nonlinear planar fractional differential equations with order $\alpha \in (1, 2)$ . <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 8150-8165.	1.2	1
5	Morse decompositions of uniform random attractors. <i>Journal of Differential Equations</i> , 2021, 293, 23-47.	1.1	3
6	Ergodicity of stochastic Rabinovich systems driven by fractional Brownian motion. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 546, 122955.	1.2	4
7	Mean exit time and escape probability for the Ornstein-Uhlenbeck process. <i>Chaos</i> , 2020, 30, 093127.	1.0	1
8	Nonlocal dynamics in a gene regulatory system with tempered stable Lévy noise. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 84, 105178.	1.7	4
9	Pathwise solution to rough stochastic lattice dynamical system driven by fractional noise. <i>Communications on Pure and Applied Analysis</i> , 2020, 19, 811-834.	0.4	2
10	A novel chaotification scheme for fractional system and its application. <i>Journal of Computational and Applied Mathematics</i> , 2018, 339, 275-284.	1.1	5
11	Well-posedness of the time-space fractional stochastic Navier-Stokes equations driven by fractional Brownian motion. <i>Mathematical Modelling of Natural Phenomena</i> , 2018, 13, 11.	0.9	3
12	Fractional Decision Making Model for Crowds of Pedestrians in Two-Alternative Choice Evacuation. <i>IFAC-PapersOnLine</i> , 2017, 50, 11764-11769.	0.5	1
13	The Onset of Chaos via Asymptotically Period-Doubling Cascade in Fractional Order Lorenz System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750207.	0.7	2
14	Bifurcation dynamics of the tempered fractional Langevin equation. <i>Chaos</i> , 2016, 26, 084310.	1.0	10
15	The effect of driver's characteristics on the stability of traffic flow under honk environment. <i>Nonlinear Dynamics</i> , 2016, 84, 1517-1528.	2.7	26
16	Dynamics of the stochastic Lorenz chaotic system with long memory effects. <i>Chaos</i> , 2015, 25, 123114.	1.0	11
17	Global Padé Approximations of the Generalized Mittag-Leffler Function and its Inverse. <i>Fractional Calculus and Applied Analysis</i> , 2015, 18, 1492-1506.	1.2	40
18	Is Our Universe Accelerating Dynamics Fractional Order?. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Synchronization of Systems with Fractional Environmental Noises on Finite Lattice. Fractional Calculus and Applied Analysis, 2015, 18, 891-910.	1.2	3
20	Synchronization of fractional-order linear complex networks. ISA Transactions, 2015, 55, 129-134.	3.1	17
21	Variational Solutions and Random Dynamical Systems to SPDEs Perturbed by Fractional Gaussian Noise. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	0
22	Lyapunov Techniques for Stochastic Differential Equations Driven by Fractional Brownian Motion. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.3	5
23	Optimal random search, fractional dynamics and fractional calculus. Fractional Calculus and Applied Analysis, 2014, 17, 321-332.	1.2	21
24	Weighted pseudo almost automorphic classical solutions and optimal mild solutions for fractional differential equations and application in fractional reaction-diffusion equations. Journal of Mathematical Chemistry, 2014, 52, 1984-2012.	0.7	9
25	Chaos detection and parameter identification in fractional-order chaotic systems with delay. Nonlinear Dynamics, 2013, 73, 439-448.	2.7	60
26	Numerics for the fractional Langevin equation driven by the fractional Brownian motion. Fractional Calculus and Applied Analysis, 2013, 16, 123-141.	1.2	34
27	Almost sure and moment stability properties of fractional order Black-Scholes model. Fractional Calculus and Applied Analysis, 2013, 16, 317-331.	1.2	24
28	Optimal Random Search, Fractional Dynamics and Fractional Calculus. , 2013, , .		0
29	Fractional noise destroys or induces a stochastic bifurcation. Chaos, 2013, 23, 043120.	1.0	10
30	A Framework for Modeling and Managing Mass Pedestrian Evacuations Involving Individuals With Disabilities: Networked Segways as Mobile Sensors and Actuators. , 2013, , .		5
31	Existence and Uniqueness of Solution for a Class of Stochastic Differential Equations. Scientific World Journal, The, 2013, 2013, 1-7.	0.8	0
32	Robust controllability of interval fractional order linear time invariant stochastic systems. , 2012, , .		0
33	Robust $H^\infty$ control for uncertain systems with heterogeneous time-varying delays via static output feedback. Chinese Physics B, 2012, 21, 110206.	0.7	2
34	Almost sure and moment stability properties of LTI stochastic dynamic systems driven by fractional Brownian motion. , 2012, , .		1
35	The fBm-driven Ornstein-Uhlenbeck process: Probability density function and anomalous diffusion. Fractional Calculus and Applied Analysis, 2012, 15, 479-492.	1.2	18
36	Solving nonlinear stochastic differential equations with fractional Brownian motion using reducibility approach. Nonlinear Dynamics, 2012, 67, 2719-2726.	2.7	30

#	ARTICLE	IF	CITATIONS
37	Chaos and mixed synchronization of a new fractional-order system with one saddle and two stable node-foci. <i>Nonlinear Dynamics</i> , 2011, 65, 457-466.	2.7	54
38	Chaos in fractional conjugate Lorenz system and its scaling attractors. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 4041-4051.	1.7	54
39	LaSalle-type theorems for stochastic functional differential equations with Markovian switching. <i>Stochastic Analysis and Applications</i> , 0, , 1-15.	0.9	0