

Caibin Zeng

List of Publications by Year in descending order

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39
papers

465
citations

840119

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713013

21
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40
all docs

40
docs citations

40
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaos detection and parameter identification in fractional-order chaotic systems with delay. <i>Nonlinear Dynamics</i> , 2013, 73, 439-448.	2.7	60
2	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
3	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
4	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
5	Numerics for the fractional Langevin equation driven by the fractional Brownian motion. <i>Fractional Calculus and Applied Analysis</i> , 2013, 16, 123-141.	1.2	34
6	Solving nonlinear stochastic differential equations with fractional Brownian motion using reducibility approach. <i>Nonlinear Dynamics</i> , 2012, 67, 2719-2726.	2.7	30
7	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
8	Almost sure and moment stability properties of fractional order Black-Scholes model. <i>Fractional Calculus and Applied Analysis</i> , 2013, 16, 317-331.	1.2	24
9	Optimal random search, fractional dynamics and fractional calculus. <i>Fractional Calculus and Applied Analysis</i> , 2014, 17, 321-332.	1.2	21
10	The fBm-driven Ornstein-Uhlenbeck process: Probability density function and anomalous diffusion. <i>Fractional Calculus and Applied Analysis</i> , 2012, 15, 479-492.	1.2	18
11	Synchronization of fractional-order linear complex networks. <i>ISA Transactions</i> , 2015, 55, 129-134.	3.1	17
12	Dynamics of the stochastic Lorenz chaotic system with long memory effects. <i>Chaos</i> , 2015, 25, 123114.	1.0	11
13	Fractional noise destroys or induces a stochastic bifurcation. <i>Chaos</i> , 2013, 23, 043120.	1.0	10
14	Bifurcation dynamics of the tempered fractional Langevin equation. <i>Chaos</i> , 2016, 26, 084310.	1.0	10
15	Weighted pseudo almost automorphic classical solutions and optimal mild solutions for fractional differential equations and application in fractional reaction-diffusion equations. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 1984-2012.	0.7	9
16	A Framework for Modeling and Managing Mass Pedestrian Evacuations Involving Individuals With Disabilities: Networked Segways as Mobile Sensors and Actuators. , 2013, , .		5
17	Lyapunov Techniques for Stochastic Differential Equations Driven by Fractional Brownian Motion. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-9.	0.3	5
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Synchronization of Systems with Fractional Environmental Noises on Finite Lattice. <i>Fractional Calculus and Applied Analysis</i> , 2015, 18, 891-910.	1.2	3
22	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
23	Morse decompositions of uniform random attractors. <i>Journal of Differential Equations</i> , 2021, 293, 23-47.	1.1	3
24	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
25	Robust H^∞ control for uncertain systems with heterogeneous time-varying delays via static output feedback. <i>Chinese Physics B</i> , 2012, 21, 110206.	0.7	2
26	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
27	Uniform attractors for a class of stochastic evolution equations with multiplicative fractional noise. <i>Stochastics and Dynamics</i> , 2021, 21, 2150020.	0.6	2
28	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
29	Almost sure and moment stability properties of LTI stochastic dynamic systems driven by fractional Brownian motion. , 2012, , .		1
30	Fractional Decision Making Model for Crowds of Pedestrians in Two-Alternative Choice Evacuation. <i>IFAC-PapersOnLine</i> , 2017, 50, 11764-11769.	0.5	1
31	Mean exit time and escape probability for the Ornstein-Uhlenbeck process. <i>Chaos</i> , 2020, 30, 093127.	1.0	1
32	Local stable manifolds for nonlinear planar fractional differential equations with order $\alpha < 1$ and $\alpha > 2$. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 8150-8165.	1.2	1
33	Robust controllability of interval fractional order linear time invariant stochastic systems. , 2012, , .		0
34	Optimal Random Search, <i>Fractional Dynamics and Fractional Calculus</i> . , 2013, , .		0
35	Existence and Uniqueness of Solution for a Class of Stochastic Differential Equations. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	0.8	0
36	Variational Solutions and Random Dynamical Systems to SPDEs Perturbed by Fractional Gaussian Noise. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	0

#	ARTICLE	IF	CITATIONS
37	Is Our Universe Accelerating Dynamics Fractional Order?. , 2015, , .		0
38	LaSalle-type theorems for stochastic functional differential equations with Markovian switching. Stochastic Analysis and Applications, 0, , 1-15.	0.9	0
39	Stationary Wongâ€™Zakai Approximation of Fractional Brownian Motion and Stochastic Differential Equations with Noise Perturbations. Fractal and Fractional, 2022, 6, 303.	1.6	0