

# Kening Lu

## List of Publications by Year in descending order

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77  
papers

3,588  
citations

117625

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docs citations

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times ranked

607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistence of $C^1$ Inertial Manifolds Under Small Random Perturbations. Journal of Dynamics and Differential Equations, 2024, 36, 333-385.	1.9	1
2	Rough Path Theory to Approximate Random Dynamical Systems. SIAM Journal on Applied Dynamical Systems, 2021, 20, 997-1021.	1.6	5
3	Limiting behavior of unstable manifolds for spdes in varying phase spaces. Discrete and Continuous Dynamical Systems - Series B, 2021, .	0.9	1
4	Wong-Zakai approximations and random attractors for non-autonomous stochastic lattice systems. Journal of Differential Equations, 2021, 280, 477-516.	2.2	31
5	Stationary approximations of stochastic wave equations on unbounded domains with critical exponents. Journal of Mathematical Physics, 2021, 62, 092702.	1.1	4
6	Conjugate dynamics on center-manifolds for stochastic partial differential equations. Journal of Differential Equations, 2020, 269, 5997-6054.	2.2	5
7	$C^1$ Hartman Theorem for random dynamical systems. Advances in Mathematics, 2020, 375, 107375.	1.1	2
8	Smoothness of invariant manifolds and foliations for infinite dimensional random dynamical systems. Science China Mathematics, 2020, 63, 1877-1912.	1.7	3
9	Asymptotic behavior of stochastic FitzHugh-Nagumo systems on unbounded thin domains. Journal of Differential Equations, 2019, 267, 4373-4409.	2.2	25
10	The Wong-Zakai approximations of invariant manifolds and foliations for stochastic evolution equations. Journal of Differential Equations, 2019, 266, 4568-4623.	2.2	30
11	Wong-Zakai Approximations and Long Term Behavior of Stochastic Partial Differential Equations. Journal of Dynamics and Differential Equations, 2019, 31, 1341-1371.	1.9	67
12	Limiting dynamics for non-autonomous stochastic retarded reaction-diffusion equations on thin domains. Discrete and Continuous Dynamical Systems, 2019, 39, 3717-3747.	0.9	34
13	Convergence and center manifolds for differential equations driven by colored noise. Discrete and Continuous Dynamical Systems, 2019, 39, 4797-4840.	0.9	11
14	Wong-Zakai approximations and attractors for stochastic reaction-diffusion equations on unbounded domains. Journal of Differential Equations, 2018, 264, 378-424.	2.2	86
15	Limiting behavior of dynamics for stochastic reaction-diffusion equations with additive noise on thin domains. Discrete and Continuous Dynamical Systems, 2018, 38, 187-208.	0.9	39
16	Entropy, Chaos, and Weak Horseshoe for Infinite-Dimensional Random Dynamical Systems. Communications on Pure and Applied Mathematics, 2017, 70, 1987-2036.	3.1	14
17	Differentiability of the conjugacy in the Hartman-Grobman Theorem. Transactions of the American Mathematical Society, 2017, 369, 4995-5030.	0.9	25
18	Wong-Zakai approximations and center manifolds of stochastic differential equations. Journal of Differential Equations, 2017, 263, 4929-4977.	2.2	33

#	ARTICLE	IF	CITATIONS
19	Equivalences between nonuniform exponential dichotomy and admissibility. Journal of Differential Equations, 2017, 262, 682-747.	2.2	28
20	Existence of SRB measures for a class of partially hyperbolic attractors in banach spaces. Discrete and Continuous Dynamical Systems, 2017, 37, 3905-3920.	0.9	4
21	Random Dynamical Systems for Stochastic Evolution Equations Driven by Multiplicative Fractional		

#	ARTICLE	IF	CITATIONS
37	Chaotic behavior in differential equations driven by a Brownian motion. <i>Journal of Differential Equations</i> , 2011, 251, 2853-2895.	2.2	39
38	Invariant Manifolds for Random and Stochastic Partial Differential Equations. <i>Advanced Nonlinear Studies</i> , 2010, 10, 23-52.	1.7	62
39	Unstable invariant manifolds for stochastic PDEs driven by a fractional Brownian motion. <i>Journal of Differential Equations</i> , 2010, 248, 1637-1667.	2.2	38
40	Random dynamical systems for stochastic partial differential equations driven by a fractional Brownian motion. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2010, 14, 473-493.	0.9	53
41	Chaos in differential equations driven by a nonautonomous force. <i>Nonlinearity</i> , 2010, 23, 2935-2975.	1.4	13
42	Lyapunov exponents and invariant manifolds for random dynamical systems in a Banach space. <i>Memoirs of the American Mathematical Society</i> , 2010, 206, 0-0.	0.9	48
43	Random attractors for stochastic reaction-diffusion equations on unbounded domains. <i>Journal of Differential Equations</i> , 2009, 246, 845-869.	2.2	307
44	Approximately invariant manifolds and global dynamics of spike states. <i>Inventiones Mathematicae</i> , 2008, 174, 355-433.	2.5	59
45	Attractors for stochastic lattice dynamical systems with a multiplicative noise. <i>Frontiers of Mathematics in China</i> , 2008, 3, 317-335.	0.7	97
46	INVARIANT FOLIATIONS FOR STOCHASTIC PARTIAL DIFFERENTIAL EQUATIONS. <i>Stochastics and Dynamics</i> , 2008, 08, 505-518.	1.2	18
47	The period function of hyperelliptic Hamiltonians of degree 5 with real critical points. <i>Nonlinearity</i> , 2008, 21, 465-483.	1.4	17
48	Rotation numbers for random dynamical systems on the circle. <i>Transactions of the American Mathematical Society</i> , 2008, 360, 5509-5528.	0.9	9
49	Invariant manifolds for stochastic wave equations. <i>Journal of Differential Equations</i> , 2007, 236, 460-492.	2.2	57
50	Global attraction and stability for Cohen-Grossberg neural networks with delays. <i>Neural Networks</i> , 2006, 19, 1538-1549.	5.9	50
51	ATTRACTORS FOR STOCHASTIC LATTICE DYNAMICAL SYSTEMS. <i>Stochastics and Dynamics</i> , 2006, 06, 1-21.	1.2	244
52	Sternberg theorems for random dynamical systems. <i>Communications on Pure and Applied Mathematics</i> , 2005, 58, 941-988.	3.1	40
53	UPPER SEMICONTINUITY OF ATTRACTORS FOR THE KLEIN-GORDON-SCHRÖDINGER EQUATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005, 15, 157-168.	1.7	14
54	Poincaré theorems for random dynamical systems. <i>Ergodic Theory and Dynamical Systems</i> , 2005, 25, 1221-1236.	0.6	12

#	ARTICLE	IF	CITATIONS
55	Smooth Stable and Unstable Manifolds for Stochastic Evolutionary Equations. Journal of Dynamics and Differential Equations, 2004, 16, 949-972.	1.9	104
56	Invariant manifolds for stochastic partial differential equations. Annals of Probability, 2003, 31, 2109.	1.8	180
57	Global Attractors for the Kleinâ€“Gordonâ€“SchrÃ¶dinger Equation in Unbounded Domains. Journal of Differential Equations, 2001, 170, 281-316.	2.2	60
58	ATTRACTORS FOR LATTICE DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 143-153.	1.7	206
59	Ginzburgâ€“Landau system and surface nucleation of superconductivity. Methods and Applications of Analysis, 2001, 8, 279-300.	0.5	3
60	Differential Equations and Computational Simulations. , 2000, , .		1
61	Surface Nucleation of Superconductivity in 3-Dimensions. Journal of Differential Equations, 2000, 168, 386-452.	2.2	62
62	Invariant foliations near normally hyperbolic invariant manifolds for semiflows. Transactions of the American Mathematical Society, 2000, 352, 4641-4676.	0.9	58
63	Eigenvalue problems of Ginzburgâ€“Landau operator in bounded domains. Journal of Mathematical Physics, 1999, 40, 2647-2670.	1.1	66
64	Estimates of the upper critical field for the Ginzburgâ€“Landau equations of superconductivity. Physica D: Nonlinear Phenomena, 1999, 127, 73-104.	2.8	80
65	Persistence of overflowing manifolds for semiflow. Communications on Pure and Applied Mathematics, 1999, 52, 983-1046.	3.1	41
66	Persistence of overflowing manifolds for semiflow. Communications on Pure and Applied Mathematics, 1999, 52, 983-1046.	3.1	6
67	Existence and persistence of invariant manifolds for semiflows in Banach space. Memoirs of the American Mathematical Society, 1998, 135, 0-0.	0.9	73
68	Ginzburgâ€“Landau Equation with DeGennes Boundary Condition. Journal of Differential Equations, 1996, 129, 136-165.	2.2	18
69	Floquet bundles for scalar parabolic equations. Archive for Rational Mechanics and Analysis, 1995, 129, 245-304.	2.4	29
70	A Hartman-Grobman theorem for the Cahn-Hilliard and phase-field equations. Journal of Dynamics and Differential Equations, 1994, 6, 101-145.	1.9	17
71	Normal form and linearization for quasiperiodic systems. Transactions of the American Mathematical Society, 1992, 331, 361-376.	0.9	14
72	Smooth conjugacy of centre manifolds. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1992, 120, 61-77.	1.2	17

#	ARTICLE	IF	CITATIONS
73	Smoothness of inertial manifolds. Journal of Mathematical Analysis and Applications, 1992, 169, 283-312.	1.0	61
74	A Hartman-Grobman theorem for scalar reaction-diffusion equations. Journal of Differential Equations, 1991, 93, 364-394.	2.2	40
75	Smooth invariant foliations in infinite dimensional spaces. Journal of Differential Equations, 1991, 94, 266-291.	2.2	105
76	Invariant manifolds for flows in Banach spaces. Journal of Differential Equations, 1988, 74, 285-317.	2.2	233
77	Limiting behavior of FitzHugh-Nagumo equations driven by colored noise on unbounded thin domains. Stochastics and Dynamics, 0, , .	1.2	0