Yingfei Yi

List of Publications by Year
in descending order

62 papers	1,152 citations	361413 20 h-index	434195 31 g-index
63 all docs	63 docs citations	63 times ranked	403 citing authors

#	ARTICLE	IF	CITATIONS
1	Relaxation Oscillations in Predator–Prey Systems. Journal of Dynamics and Differential Equations, 2024, 36, 77-104.	1.9	1
2	Response Solutions in Degenerate Oscillators Under Degenerate Perturbations. Annales Henri Poincare, 2022, 23, 333-360.	1.7	8
3	Convergence to Periodic Probability Solutions in Fokker--Planck Equations. SIAM Journal on Mathematical Analysis, 2021, 53, 1958-1992.	1.9	7
4	Intermittent Synchronization in Finite-State Random Networks Under Markov Perturbations. Communications in Mathematical Physics, 2021, 384, 1945-1970.	2.2	0
5	Towards mesoscopic ergodic theory. Science China Mathematics, 2020, 63, 1853-1876.	1.7	0
6	Synchronization in Discrete-Time, Discrete-State Random Dynamical Systems. SIAM Journal on Applied Dynamical Systems, 2020, 19, 233-251.	1.6	2
7	Completely degenerate responsive tori in Hamiltonian systems. Nonlinearity, 2020, 33, 6072-6098.	1.4	18
8	Existence of periodic probability solutions to Fokker-Planck equations with applications. Journal of Functional Analysis, 2019, 277, 108281.	1.4	25
9	Quantitative concentration of stationary measures. Physica D: Nonlinear Phenomena, 2019, 399, 73-85.	2.8	3
10	Entropy productions in dissipative systems. Proceedings of the American Mathematical Society, 2019, 147, 5209-5225.	0.8	1
11	Lower dimension tori of general types in multi-scale Hamiltonian systems. Nonlinearity, 2019, 32, 2226-2245.	1.4	3
12	Convergence to Equilibrium in Fokker–Planck Equations. Journal of Dynamics and Differential Equations, 2019, 31, 1591-1615.	1.9	7
13	Concentration and limit behaviors of stationary measures. Physica D: Nonlinear Phenomena, 2018, 369, 1-17.	2.8	17
14	Poincaré–Treshchev Mechanism in Multi-scale, Nearly Integrable Hamiltonian Systems. Journal of Nonlinear Science, 2018, 28, 337-369.	2.1	12
15	Lower-Dimensional Tori in Multi-Scale, Nearly Integrable Hamiltonian Systems. Annales Henri Poincare, 2017, 18, 53-83.	1.7	14
16	Systematic Measures of Biological Networks II: Degeneracy, Complexity, and Robustness. Communications on Pure and Applied Mathematics, 2016, 69, 1952-1983.	3.1	7
17	Turning Points And Relaxation Oscillation Cycles in Simple Epidemic Models. SIAM Journal on Applied Mathematics, 2016, 76, 663-687.	1.8	25
18	Systematic Measures of Biological Networks I: Invariant Measures and Entropy. Communications on Pure and Applied Mathematics, 2016, 69, 1777-1811.	3.1	10

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19	Stochastic stability of measures in gradient systems. Physica D: Nonlinear Phenomena, 2016, 314, 9-17.	2.8	9
20	Steady States of Fokker–Planck Equations: III. Degenerate Diffusion. Journal of Dynamics and Differential Equations, 2016, 28, 127-141.	1.9	17
21	Integral identity and measure estimates for stationary Fokker–Planck equations. Annals of Probability, 2015, 43, .	1.8	17
22	Steady States of Fokker–Planck Equations: II. Non-existence. Journal of Dynamics and Differential Equations, 2015, 27, 743-762.	1.9	19
23	Asymptotic pairs, stable sets and chaos in positive entropy systems. Journal of Functional Analysis, 2015, 268, 824-846.	1.4	18
24	Steady States of Fokker–Planck Equations: I. Existence. Journal of Dynamics and Differential Equations, 2015, 27, 721-742.	1.9	40
25	Interior Regularity for Regional Fractional Laplacian. Communications in Mathematical Physics, 2015, 340, 233-251.	2.2	17
26	Viscous stability of quasi-periodic tori. Ergodic Theory and Dynamical Systems, 2014, 34, 185-210.	0.6	1
27	Dimensions of stable sets and scrambled sets in positive finite entropy systems. Ergodic Theory and Dynamical Systems, 2012, 32, 599-628.	0.6	15
28	On Lyapunov exponents of continuous Schrödinger cocycles over irrational rotations. Proceedings of the American Mathematical Society, 2012, 140, 1957-1962.	0.8	6
29	Quantification of degeneracy in biological systems for characterization of functional interactions between modules. Journal of Theoretical Biology, 2012, 302, 29-38.	1.7	9
30	Entropy of Dynamical Systems with Repetition Property. Journal of Dynamics and Differential Equations, 2011, 23, 683-693.	1.9	0
31	A Biography of Russell A. Johnson. Journal of Dynamics and Differential Equations, 2011, 23, 397-404.	1.9	1
32	Special Issue 2011. Journal of Dynamics and Differential Equations, 2011, 23, 395-396.	1.9	0
33	Invariant Tori in Hamiltonian Systems with High Order Proper Degeneracy. Annales Henri Poincare, 2010, 10, 1419-1436.	1.7	40
34	Nonlinear Oscillations and Multiscale Dynamics in a Closed Chemical Reaction System. Journal of Dynamics and Differential Equations, 2010, 22, 491-507.	1.9	12
35	Almost periodically forced circle flows. Journal of Functional Analysis, 2009, 257, 832-902.	1.4	31
36	Quasi-periodic breathers in Hamiltonian networks of long-range coupling. Physica D: Nonlinear Phenomena, 2008, 237, 2866-2892.	2.8	10

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37	Oscillations and multiscale dynamics in a closed chemical reaction system: Second law of thermodynamics and temporal complexity. Journal of Chemical Physics, 2008, 129, 154505.	3.0	15
38	A KAM theorem for Hamiltonian networks with long ranged couplings. Nonlinearity, 2007, 20, 1313-1342.	1.4	12
39	Quasi-periodic solutions in a nonlinear Schrödinger equation. Journal of Differential Equations, 2007, 233, 512-542.	2.2	58
40	A local variational principle of pressure and its applications to equilibrium states. Israel Journal of Mathematics, 2007, 161, 29-74.	0.8	40
41	Degenerate lower-dimensional tori in Hamiltonian systems. Journal of Differential Equations, 2006, 227, 670-691.	2.2	41
42	Nekhoroshev and KAM Stabilities in Generalized Hamiltonian Systems. Journal of Dynamics and Differential Equations, 2006, 18, 577-614.	1.9	4
43	Persistence of hyperbolic tori in Hamiltonian systems. Journal of Differential Equations, 2005, 208, 344-387.	2.2	22
44	ON POINCARÉ - TRESHCHEV TORI IN HAMILTONIAN SYSTEMS. , 2005, , .		6
45	On almost automorphic dynamics in symbolic lattices. Ergodic Theory and Dynamical Systems, 2004, 24, 677-696.	0.6	13
46	Fast and Slow Dynamics of Malaria and the S-gene Frequency. Journal of Dynamics and Differential Equations, 2004, 16, 869-896.	1.9	19
47	Persistence of lower dimensional tori of general types in Hamiltonian systems. Transactions of the American Mathematical Society, 2004, 357, 1565-1600.	0.9	43
48	Travelling Wave Solutions in a Tissue Interaction Model for Skin Pattern Formation. Journal of Dynamics and Differential Equations, 2003, 15, 517-534.	1.9	8
49	A quasi-periodic Poincarï¿½'s theorem. Mathematische Annalen, 2003, 326, 649-690.	1.4	36
50	Relaxation oscillations in a class of predator–prey systems. Journal of Differential Equations, 2003, 188, 306-331.	2.2	66
51	The cyclicity of period annuli of degenerate quadratic Hamiltonian systems with elliptic segment loops. Ergodic Theory and Dynamical Systems, 2002, 22, .	0.6	35
52	Persistence of invariant tori in generalized Hamiltonian systems. Ergodic Theory and Dynamical Systems, 2002, 22, .	0.6	27
53	Center Manifolds for Invariant Sets. Journal of Differential Equations, 2000, 168, 355-385.	2.2	50
54	Center manifolds for smooth invariant manifolds. Transactions of the American Mathematical Society, 2000, 352, 5179-5211.	0.9	49

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55	Convergence in almost periodic Fisher and Kolmogorov models. Journal of Mathematical Biology, 1998, 37, 84-102.	1.9	30
56	Ergodicity of minimal sets in scalar parabolic equations. Journal of Dynamics and Differential Equations, 1996, 8, 299-323.	1.9	15
57	On minimal sets of scalar parabolic equations with skew-product structures. Transactions of the American Mathematical Society, 1995, 347, 4413-4431.	0.9	27
58	Singular solutions of the elliptic equation Î"uâˆ'u+up=0. Annali Di Matematica Pura Ed Applicata, 1994, 166, 203-225.	1.0	14
59	Center manifold and stability for skew-product flows. Journal of Dynamics and Differential Equations, 1994, 6, 543-582.	1.9	27
60	Title is missing!. Indiana University Mathematics Journal, 1994, 43, 1045.	0.9	19
61	Singular ground states of semilinear elliptic equations via invariant manifold theory. Nonlinear Analysis: Theory, Methods & Applications, 1993, 20, 1279-1302.	1.1	20
62	Positive solutions of super-critical elliptic equations and asymptotics. Communications in Partial Differential Equations, 1993, 18, 977-1019.	2.2	34