

David P Herzog

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ergodicity and Lyapunov Functions for Langevin Dynamics with Singular Potentials. Communications on Pure and Applied Mathematics, 2019, 72, 2231-2255.	3.1	22
2	The Small-Mass Limit for Langevin Dynamics with Unbounded Coefficients and Positive Friction. Journal of Statistical Physics, 2016, 163, 659-673.	1.2	21
3	Gamma Calculus Beyond Villani and Explicit Convergence Estimates for Langevin Dynamics with Singular Potentials. Archive for Rational Mechanics and Analysis, 2021, 241, 765-804.	2.4	13
4	Ergodic Properties of a Model for Turbulent Dispersion of Inertial Particles. Communications in Mathematical Physics, 2011, 308, 49-80.	2.2	12
5	The transition from ergodic to explosive behavior in a family of stochastic differential equations. Stochastic Processes and Their Applications, 2012, 122, 1519-1539.	0.9	12
6	A practical criterion for positivity of transition densities. Nonlinearity, 2015, 28, 2823-2845.	1.4	12
7	Geometric ergodicity of two-dimensional Hamiltonian systems with a Lennard-Jones-like repulsive potential. Communications in Mathematical Sciences, 2017, 15, 1987-2025.	1.0	12
8	Scaling and Saturation in Infinite-Dimensional Control Problems with Applications to Stochastic Partial Differential Equations. Annals of PDE, 2018, 4, 1.	1.8	8
9	The generalized Langevin equation with power-law memory in a nonlinear potential well. Nonlinearity, 2020, 33, 2820-2852.	1.4	6
10	Weighted L^2 -contractivity of Langevin dynamics with singular potentials. Nonlinearity, 2022, 35, 998-1035.	1.4	6
11	Exponential relaxation of the Nosé-Hoover thermostat under Brownian heating. Communications in Mathematical Sciences, 2018, 16, 2231-2260.	1.0	4
12	A functional law of the iterated logarithm for weakly hypoelliptic diffusions at time zero. Stochastic Processes and Their Applications, 2022, 149, 188-188.	0.9	3
13	Sensitivity of steady states in a degenerately damped stochastic Lorenz system. Stochastics and Dynamics, 2021, 21, .	1.2	1