

Sandra Cerrai

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

472
citations

759233

12
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713466

21
g-index

26
all docs

26
docs citations

26
times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hille-Yosida theorem for weakly continuous semigroups. Semigroup Forum, 1994, 49, 349-367.	0.6	90
2	Stochastic reaction-diffusion systems with multiplicative noise and non-Lipschitz reaction term. Probability Theory and Related Fields, 2003, 125, 271-304.	1.8	87
3	On the Smoluchowski-Kramers approximation for a system with an infinite number of degrees of freedom. Probability Theory and Related Fields, 2006, 135, 363-394.	1.8	52
4	Smoluchowski-Kramers approximation for a general class of SPDEs. Journal of Evolution Equations, 2006, 6, 657-689.	1.1	31
5	Large deviations for invariant measures of stochastic reaction-diffusion systems with multiplicative noise and non-Lipschitz reaction term. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2005, 41, 69-105.	1.1	20
6	Approximation of quasi-potentials and exit problems for multidimensional RDEs with noise. Transactions of the American Mathematical Society, 2011, 363, 3853-3853.	0.9	19
7	Large deviations for the two-dimensional stochastic Navier-Stokes equation with vanishing noise correlation. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2019, 55, .	1.1	18
8	Quasipotential and exit time for 2D Stochastic Navier-Stokes equations driven by space time white noise. Probability Theory and Related Fields, 2015, 162, 739-793.	1.8	16
9	Smoluchowski-Kramers approximation and large deviations for infinite dimensional gradient systems. Asymptotic Analysis, 2014, 88, 201-215.	0.5	15
10	Smoluchowski-Kramers approximation and large deviations for infinite-dimensional nongradient systems with applications to the exit problem. Annals of Probability, 2016, 44, .	1.8	15
11	Large deviations principle for the invariant measures of the 2D stochastic Navier-Stokes equations on a torus. Journal of Functional Analysis, 2017, 273, 1891-1930.	1.4	15
12	Small Mass Asymptotics for a Charged Particle in a Magnetic Field and Long-Time Influence of Small Perturbations. Journal of Statistical Physics, 2011, 144, 101-123.	1.2	14
13	Large Deviations for the Langevin Equation with Strong Damping. Journal of Statistical Physics, 2015, 161, 859-875.	1.2	13
14	On the Smoluchowski-Kramers approximation for SPDEs and its interplay with large deviations and long time behavior. Discrete and Continuous Dynamical Systems, 2017, 37, 33-76.	0.9	11
15	On the convergence of stationary solutions in the Smoluchowski-Kramers approximation of infinite dimensional systems. Journal of Functional Analysis, 2020, 278, 108421.	1.4	10
16	Large Deviations for the Dynamic $\Phi_{d,2n}$ Model. Applied Mathematics and Optimization, 2019, 80, 81-102.	1.6	8
17	Schauder theorems for Ornstein-Uhlenbeck equations in infinite dimension. Journal of Differential Equations, 2019, 267, 7462-7482.	2.2	7
18	Schauder estimates for elliptic equations in Banach spaces associated with stochastic reaction-diffusion equations. Journal of Evolution Equations, 2012, 12, 83-98.	1.1	6

#	ARTICLE	IF	CITATIONS
19	On the Smoluchowski–Kramers approximation for a system with infinite degrees of freedom exposed to a magnetic field. <i>Stochastic Processes and Their Applications</i> , 2017, 127, 273-303.	0.9	6
20	A Smoluchowski–Kramers approximation for an infinite dimensional system with state-dependent damping. <i>Annals of Probability</i> , 2022, 50, .	1.8	6
21	Pathwise uniqueness for stochastic reaction-diffusion equations in Banach spaces with an Hölder drift component. <i>Stochastics and Partial Differential Equations: Analysis and Computations</i> , 2013, 1, 507-551.	0.9	4
22	Fast flow asymptotics for stochastic incompressible viscous fluids in \mathbb{R}^2 and SPDEs on graphs. <i>Probability Theory and Related Fields</i> , 2019, 173, 491-535.	1.8	4
23	An Averaging Approach to the Smoluchowski–Kramers Approximation in the Presence of a Varying Magnetic Field. <i>Journal of Statistical Physics</i> , 2020, 181, 132-148.	1.2	3
24	Large deviations for fast transport stochastic RDEs with applications to the exit problem. <i>Annals of Applied Probability</i> , 2019, 29, .	1.3	1
25	Large deviations principle for the invariant measures of the 2D stochastic Navier–Stokes equations with vanishing noise correlation. <i>Stochastics and Partial Differential Equations: Analysis and Computations</i> , 0, , 1.	0.9	1
26	Incompressible viscous fluids in \mathbb{R}^2 and SPDEs on graphs, in presence of fast advection and non smooth noise. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2021, 57, .	1.1	0