

# Maria G Westdickenberg

## List of Publications by Year in descending order

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19  
papers

406  
citations

1040056

9  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bounds on vertical heat transport for infinite-Prandtl-number Rayleigh-Bénard convection. <i>Journal of Fluid Mechanics</i> , 2006, 560, 229.	3.4	74
2	Action minimization and sharp-interface limits for the stochastic Allen-Cahn equation. <i>Communications on Pure and Applied Mathematics</i> , 2007, 60, 393-438.	3.1	58
3	Magnetic Elements at Finite Temperature and Large Deviation Theory. <i>Journal of Nonlinear Science</i> , 2005, 15, 223-253.	2.1	45
4	A new criterion for the logarithmic Sobolev inequality and two applications. <i>Journal of Functional Analysis</i> , 2007, 243, 121-157.	1.4	38
5	Slow motion of gradient flows. <i>Journal of Differential Equations</i> , 2007, 237, 372-420.	2.2	37
6	A two-scale approach to logarithmic Sobolev inequalities and the hydrodynamic limit. <i>Annales De L'institut Henri Poincaré (B) Probability and Statistics</i> , 2009, 45, .	1.1	36
7	Invariant measures of stochastic partial differential equations and conditioned diffusions. <i>Comptes Rendus Mathématique</i> , 2005, 340, 305-308.	0.3	31
8	Sharp-interface limit of the Allen-Cahn action functional in one space dimension. <i>Calculus of Variations and Partial Differential Equations</i> , 2006, 25, 503-534.	1.7	22
9	Rare Events in Stochastic Partial Differential Equations on Large Spatial Domains. <i>Journal of Statistical Physics</i> , 2008, 131, 1023-1038.	1.2	19
10	Relaxation to Equilibrium in the One-Dimensional Cahn-Hilliard Equation. <i>SIAM Journal on Mathematical Analysis</i> , 2014, 46, 720-756.	1.9	10
11	Invariant measure of the stochastic Allen-Cahn equation: the regime of small noise and large system size. <i>Electronic Journal of Probability</i> , 2014, 19, .	1.0	9
12	Metastability of the Cahn-Hilliard equation in one space dimension. <i>Journal of Differential Equations</i> , 2018, 265, 1528-1575.	2.2	8
13	Higher multiplicity in the one-dimensional Allen-Cahn action functional. <i>Indiana University Mathematics Journal</i> , 2007, 56, 2935-2990.	0.9	7
14	Existence and properties of certain critical points of the Cahn-Hilliard energy. <i>Indiana University Mathematics Journal</i> , 2017, 66, 1827-1877.	0.9	3
15	Optimal $L^1$ -type Relaxation Rates for the Cahn-Hilliard Equation on the Line. <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 4645-4682.	1.9	3
16	Energy barrier and $\Gamma$ -convergence in the $d$ -dimensional Cahn-Hilliard equation. <i>Calculus of Variations and Partial Differential Equations</i> , 2015, 54, 791-829.	1.7	2
17	On the Metastability of the 1-d Allen-Cahn Equation. <i>Journal of Dynamics and Differential Equations</i> , 2021, 33, 1853-1879.	1.9	2
18	Optimal relaxation of bump-like solutions of the one-dimensional Cahn-Hilliard equation. <i>Communications in Partial Differential Equations</i> , 0, , 1-60.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Symmetry of constrained minimizers of the Cahn–Hilliard energy on the torus. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2020, 197, 111842.	1.1	0