Peter Bella

List of Publications by Year
in descending order

25 papers	**360** citations	759233 **12** h-index	839539 **18** g-index
25 all docs	**25** docs citations	**25** times ranked	**207** citing authors

#	Article	IF	Citations
1	Non-uniformly parabolic equations and applications to the random conductance model. Probability Theory and Related Fields, 2022, 182, 353-397.	1.8	5
2	Lipschitz bounds for integral functionals with (p,q)-growth conditions. Advances in Calculus of Variations, 2022, .	1.2	5
3	Homogenization and Low Mach Number Limit of Compressible Navier-Stokes Equations in Critically Perforated Domains. Journal of Mathematical Fluid Mechanics, 2022, 24, .	1.0	4
4	Local Boundedness and Harnack Inequality for Solutions of Linear Nonuniformly Elliptic Equations. Communications on Pure and Applied Mathematics, 2021, 74, 453-477.	3.1	26
5	Effective multipoles in random media. Communications in Partial Differential Equations, 2020, 45, 561-640.	2.2	4
6	Quenched invariance principle for random walks among random degenerate conductances. Annals of Probability, 2020, 48, .	1.8	15
7	On the regularity of minimizers for scalar integral functionals with (p,q)-growth. Analysis and PDE, 2020, 13, 2241-2257.	1.4	29
8	A Liouville theorem for stationary and ergodic ensembles of parabolic systems. Probability Theory and Related Fields, 2019, 173, 759-812.	1.8	6
9	A Liouville theorem for elliptic systems with degenerate ergodic coefficients. Annals of Applied Probability, 2018, 28, .	1.3	18
10	Green's function for elliptic systems: Moment bounds. Networks and Heterogeneous Media, 2018, 13, 155-176.	1.1	6
11	Coarsening of Folds in Hanging Drapes. Communications on Pure and Applied Mathematics, 2017, 70, 978-1021.	3.1	13
12	Wrinkling of a thin circular sheet bonded to a spherical substrate. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160157.	3.4	13
13	Stochastic Homogenization of Linear Elliptic Equations: Higher-Order Error Estimates in Weak Norms Via Second-Order Correctors. SIAM Journal on Mathematical Analysis, 2017, 49, 4658-4703.	1.9	18
14	A Rigorous Justification of the Euler and Navier--Stokes Equations with Geometric Effects. SIAM Journal on Mathematical Analysis, 2016, 48, 3907-3930.	1.9	17
15	Corrector Estimates for Elliptic Systems with Random Periodic Coefficients. Multiscale Modeling and Simulation, 2016, 14, 1434-1462.	1.6	6
16	Nucleation barriers at corners for a cubic-to-tetragonal phase transformation. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2015, 145, 715-724.	1.2	13
17	The Transition Between Planar and Wrinkled Regions in a Uniaxially Stretched Thin Elastic Film. Archive for Rational Mechanics and Analysis, 2015, 216, 623-672.	2.4	5
18	Study of Island Formation in Epitaxially Strained Films on Unbounded Domains. Archive for Rational Mechanics and Analysis, 2015, 218, 163-217.	2.4	12

#	Article	IF	Citations
19	Robustness of strong solutions to the compressible Navier-Stokes system. Mathematische Annalen, 2015, 362, 281-303.	1.4	7
20	Metric-Induced Wrinkling of a Thin Elastic Sheet. Journal of Nonlinear Science, 2014, 24, 1147-1176.	2.1	27
21	Dimension Reduction for Compressible Viscous Fluids. Acta Applicandae Mathematicae, 2014, 134, 111-121.	1.0	40
22	Wrinkles as the Result of Compressive Stresses in an Annular Thin Film. Communications on Pure and Applied Mathematics, 2014, 67, 693-747.	3.1	40
23	Long Time Behavior and Stabilization to Equilibria of Solutions to the Navierâ€"Stokesâ€"Fourier System Driven by Highly Oscillating Unbounded External Forces. Journal of Dynamics and Differential Equations, 2013, 25, 257-268.	1.9	4
24	Long Time Behavior of Weak Solutions to Navierâ€"Stokesâ€"Poisson System. Journal of Mathematical Fluid Mechanics, 2012, 14, 279-294.	1.0	11
25	Labeling planar graphs with a condition at distance two. European Journal of Combinatorics, 2007, 28, 2201-2239.	0.8	16