

# Peter Bella

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3190126/publications.pdf>

Version: 2024-02-01

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	Dimension Reduction for Compressible Viscous Fluids. <i>Acta Applicandae Mathematicae</i> , 2014, 134, 111-121.	1.0	40
2	Wrinkles as the Result of Compressive Stresses in an Annular Thin Film. <i>Communications on Pure and Applied Mathematics</i> , 2014, 67, 693-747.	3.1	40
3	On the regularity of minimizers for scalar integral functionals with $(p,q)$ -growth. <i>Analysis and PDE</i> , 2020, 13, 2241-2257.	1.4	29
4	Metric-Induced Wrinkling of a Thin Elastic Sheet. <i>Journal of Nonlinear Science</i> , 2014, 24, 1147-1176.	2.1	27
5	Local Boundedness and Harnack Inequality for Solutions of Linear Nonuniformly Elliptic Equations. <i>Communications on Pure and Applied Mathematics</i> , 2021, 74, 453-477.	3.1	26
6	Stochastic Homogenization of Linear Elliptic Equations: Higher-Order Error Estimates in Weak Norms Via Second-Order Correctors. <i>SIAM Journal on Mathematical Analysis</i> , 2017, 49, 4658-4703.	1.9	18
7	A Liouville theorem for elliptic systems with degenerate ergodic coefficients. <i>Annals of Applied Probability</i> , 2018, 28, .	1.3	18
8	A Rigorous Justification of the Euler and Navier–Stokes Equations with Geometric Effects. <i>SIAM Journal on Mathematical Analysis</i> , 2016, 48, 3907-3930.	1.9	17
9	Labeling planar graphs with a condition at distance two. <i>European Journal of Combinatorics</i> , 2007, 28, 2201-2239.	0.8	16
10	Quenched invariance principle for random walks among random degenerate conductances. <i>Annals of Probability</i> , 2020, 48, .	1.8	15
11	Nucleation barriers at corners for a cubic-to-tetragonal phase transformation. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2015, 145, 715-724.	1.2	13
12	Coarsening of Folds in Hanging Drapes. <i>Communications on Pure and Applied Mathematics</i> , 2017, 70, 978-1021.	3.1	13
13	Wrinkling of a thin circular sheet bonded to a spherical substrate. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160157.	3.4	13
14	Study of Island Formation in Epitaxially Strained Films on Unbounded Domains. <i>Archive for Rational Mechanics and Analysis</i> , 2015, 218, 163-217.	2.4	12
15	Long Time Behavior of Weak Solutions to Navier–Stokes–Poisson System. <i>Journal of Mathematical Fluid Mechanics</i> , 2012, 14, 279-294.	1.0	11
16	Robustness of strong solutions to the compressible Navier-Stokes system. <i>Mathematische Annalen</i> , 2015, 362, 281-303.	1.4	7
17	Corrector Estimates for Elliptic Systems with Random Periodic Coefficients. <i>Multiscale Modeling and Simulation</i> , 2016, 14, 1434-1462.	1.6	6
18	A Liouville theorem for stationary and ergodic ensembles of parabolic systems. <i>Probability Theory and Related Fields</i> , 2019, 173, 759-812.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Green's function for elliptic systems: Moment bounds. <i>Networks and Heterogeneous Media</i> , 2018, 13, 155-176.	1.1	6
20	The Transition Between Planar and Wrinkled Regions in a Uniaxially Stretched Thin Elastic Film. <i>Archive for Rational Mechanics and Analysis</i> , 2015, 216, 623-672.	2.4	5
21	Non-uniformly parabolic equations and applications to the random conductance model. <i>Probability Theory and Related Fields</i> , 2022, 182, 353-397.	1.8	5
22	Lipschitz bounds for integral functionals with $(\langle \cdot \rangle_p, \langle \cdot \rangle_q)$ -growth conditions. <i>Advances in Calculus of Variations</i> , 2022, .	1.2	5
23	Long Time Behavior and Stabilization to Equilibria of Solutions to the Navier-Stokes-Fourier System Driven by Highly Oscillating Unbounded External Forces. <i>Journal of Dynamics and Differential Equations</i> , 2013, 25, 257-268.	1.9	4
24	Effective multipoles in random media. <i>Communications in Partial Differential Equations</i> , 2020, 45, 561-640.	2.2	4
25	Homogenization and Low Mach Number Limit of Compressible Navier-Stokes Equations in Critically Perforated Domains. <i>Journal of Mathematical Fluid Mechanics</i> , 2022, 24, .	1.0	4