

# Alex Blumenthal

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

148  
citations

1478505

6  
h-index

1199594

12  
g-index

18  
all docs

18  
docs citations

18  
times ranked

61  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Batchelor Spectrum of Passive Scalar Turbulence in Stochastic Fluid Mechanics at Fixed Reynolds Number. <i>Communications on Pure and Applied Mathematics</i> , 2022, 75, 1237-1291.	3.1	11
2	A regularity method for lower bounds on the Lyapunov exponent for stochastic differential equations. <i>Inventiones Mathematicae</i> , 2022, 227, 429-516.	2.5	7
3	Lyapunov Exponents for Random Perturbations of Coupled Standard Maps. <i>Communications in Mathematical Physics</i> , 2022, 389, 121-151.	2.2	1
4	Almost-sure exponential mixing of passive scalars by the stochastic Navier-Stokes equations. <i>Annals of Probability</i> , 2022, 50, .	1.8	8
5	Positive Lyapunov exponent for random perturbations of predominantly expanding multimodal circle maps. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2022, 39, 419-455.	1.4	0
6	Statistical properties for compositions of standard maps with increasing coefficient. <i>Ergodic Theory and Dynamical Systems</i> , 2021, 41, 981-1024.	0.6	1
7	Almost-sure enhanced dissipation and uniform-in-diffusivity exponential mixing for advection-diffusion by stochastic Navier-Stokes. <i>Probability Theory and Related Fields</i> , 2021, 179, 777-834.	1.8	21
8	Diffusion Limit for a Slow-Fast Standard Map. <i>Communications in Mathematical Physics</i> , 2020, 374, 187-210.	2.2	1
9	The Selgrade Decomposition for Linear Semiflows on Banach Spaces. <i>Journal of Dynamics and Differential Equations</i> , 2019, 31, 1427-1456.	1.9	3
10	Characterization of dominated splittings for operator cocycles acting on Banach spaces. <i>Journal of Differential Equations</i> , 2019, 267, 3977-4013.	2.2	4
11	Equivalence of physical and SRB measures in random dynamical systems. <i>Nonlinearity</i> , 2019, 32, 1494-1524.	1.4	6
12	Lyapunov Exponents and Correlation Decay for Random Perturbations of Some Prototypical 2D Maps. <i>Communications in Mathematical Physics</i> , 2018, 359, 347-373.	2.2	9
13	Population Dynamics of Globally Coupled Degrade-and-Fire Oscillators. <i>Journal of Dynamics and Differential Equations</i> , 2017, 29, 523-547.	1.9	2
14	Absolute Continuity of Stable Foliations for Mappings of Banach Spaces. <i>Communications in Mathematical Physics</i> , 2017, 354, 591-619.	2.2	1
15	Entropy, volume growth and SRB measures for Banach space mappings. <i>Inventiones Mathematicae</i> , 2017, 207, 833-893.	2.5	20
16	Lyapunov exponents for random perturbations of some area-preserving maps including the standard map. <i>Annals of Mathematics</i> , 2017, 185, .	4.2	26
17	Asymptotic periodicity in networks of degrade-and-fire oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2016, 323-324, 49-56.	2.8	2
18	A volume-based approach to the multiplicative ergodic theorem on Banach spaces. <i>Discrete and Continuous Dynamical Systems</i> , 2015, 36, 2377-2403.	0.9	25