

Zdzisław Brzeźniak

List of Publications by Year in descending order

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93
papers

2,342
citations

172457

29
h-index

243625

44
g-index

97
all docs

97
docs citations

97
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	Ergodicity for stochastic equations of Navier–Stokes type. <i>Electronic Communications in Probability</i> , 2022, 27, .	0.4	0
2	Uniqueness of martingale solutions for the stochastic nonlinear Schrödinger equation on 3d compact manifolds. <i>Stochastics and Partial Differential Equations: Analysis and Computations</i> , 2022, 10, 828-857.	0.9	2
3	Large deviations for $(1+\epsilon^{-1})$ -dimensional stochastic geometric wave equation. <i>Journal of Differential Equations</i> , 2022, 325, 1-69.	2.2	3
4	Stochastic Navier–Stokes Equations on a Thin Spherical Domain. <i>Applied Mathematics and Optimization</i> , 2021, 84, 1971-2035.	1.6	3
5	Stochastic Camassa-Holm equation with convection type noise. <i>Journal of Differential Equations</i> , 2021, 276, 404-432.	2.2	16
6	Stochastic constrained Navier–Stokes equations on \mathbb{T}^2 . <i>Journal of Differential Equations</i> , 2021, 285, 128-174.	2.2	4
7	The stochastic Strichartz estimates and stochastic nonlinear Schrödinger equations driven by Lévy noise. <i>Journal of Functional Analysis</i> , 2021, 281, 109021.	1.4	6
8	Well-posedness of the 3D stochastic primitive equations with multiplicative and transport noise. <i>Journal of Differential Equations</i> , 2021, 296, 617-676.	2.2	12
9	Large Deviations for Stochastic Nematic Liquid Crystals Driven by Multiplicative Gaussian Noise. <i>Potential Analysis</i> , 2020, 53, 799-838.	0.9	2
10	Weak martingale solutions for the stochastic nonlinear Schrödinger equation driven by pure jump noise. <i>Stochastics and Partial Differential Equations: Analysis and Computations</i> , 2020, 8, 1-53.	0.9	2
11	Global solution of nonlinear stochastic heat equation with solutions in a Hilbert manifold. <i>Stochastics and Dynamics</i> , 2020, 20, 2040012.	1.2	2
12	Existence of a unique solution and invariant measures for the stochastic Landau–Lifshitz–Bloch equation. <i>Journal of Differential Equations</i> , 2020, 269, 9471-9507.	2.2	11
13	Stochastic Tamed Navier–Stokes Equations on \mathbb{R}^3 : The Existence and the Uniqueness of Solutions and the Existence of an Invariant Measure. <i>Journal of Mathematical Fluid Mechanics</i> , 2020, 22, 1.	1.0	15
14	Stochastic Landau–Lifshitz–Gilbert equation with anisotropy energy driven by pure jump noise. <i>Computers and Mathematics With Applications</i> , 2019, 77, 1503-1512.	2.7	10
15	Some results on the penalised nematic liquid crystals driven by multiplicative noise: weak solution and maximum principle. <i>Stochastics and Partial Differential Equations: Analysis and Computations</i> , 2019, 7, 417-475.	0.9	9
16	Large deviations for stochastic Navier–Stokes equations with jump noise. <i>Statistics and Probability Letters</i> , 2019, 155, 108563.	2.2	1
17	Fractionally Dissipative Stochastic Quasi-Geostrophic Type Equations on \mathbb{R}^d . <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 2306-2358.	1.9	7
18	Martingale solutions for the stochastic nonlinear Schrödinger equation in the energy space. <i>Probability Theory and Related Fields</i> , 2019, 174, 1273-1338.	1.8	15

#	ARTICLE	IF	CITATIONS
19	Maximal Inequalities and Exponential Estimates for Stochastic Convolutions Driven by Lévy-type Processes in Banach Spaces with Application to Stochastic Quasi-Geostrophic Equations. <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 2121-2167.	1.9	20
20	Stationary solutions for stochastic damped Navier-Stokes equations in \mathbb{R}^d . <i>Indiana University Mathematics Journal</i> , 2019, 68, 105-138.	0.9	9
21	Weak Solutions of a Stochastic Landau-Lifshitz-Gilbert Equation Driven by Pure Jump Noise. <i>Communications in Mathematical Physics</i> , 2019, 371, 1071-1129.	2.2	13
22	Quasipotential for the ferromagnetic wire governed by the 1D Landau-Lifshitz-Gilbert equations. <i>Journal of Differential Equations</i> , 2019, 267, 2284-2330.	2.2	0
23	Wong-Zakai approximation for the stochastic Landau-Lifshitz-Gilbert equations. <i>Journal of Differential Equations</i> , 2019, 267, 776-825.	2.2	19
24	Martingale solutions of nematic liquid crystals driven by pure jump noise in the Marcus canonical form. <i>Journal of Differential Equations</i> , 2019, 266, 6204-6283.	2.2	15
25	Stochastic Reaction-diffusion Equations Driven by Jump Processes. <i>Potential Analysis</i> , 2018, 49, 131-201.	0.9	34
26	Random Attractors for the Stochastic Navier-Stokes Equations on the 2D Unit Sphere. <i>Journal of Mathematical Fluid Mechanics</i> , 2018, 20, 227-253.	1.0	14
27	Stochastic Nonlinear Parabolic Equations with Stratonovich Gradient Noise. <i>Applied Mathematics and Optimization</i> , 2018, 78, 361-377.	1.6	3
28	2D constrained Navier-Stokes equations. <i>Journal of Differential Equations</i> , 2018, 264, 2833-2864.	2.2	5
29	Stochastic evolution equations in Banach spaces and applications to the Heath-Jarrow-Morton-Musiela equations. <i>Finance and Stochastics</i> , 2018, 22, 959-1006.	1.1	29
30	Stochastic and Deterministic Constrained Partial Differential Equations. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018, , 133-146.	0.2	1
31	Maximal inequalities for stochastic convolutions driven by compensated Poisson random measures in Banach spaces. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2017, 53, .	1.1	18
32	Large Deviations and Transitions Between Equilibria for Stochastic Landau-Lifshitz-Gilbert Equation. <i>Archive for Rational Mechanics and Analysis</i> , 2017, 226, 497-558.	2.4	36
33	Large deviations principle for the invariant measures of the 2D stochastic Navier-Stokes equations on a torus. <i>Journal of Functional Analysis</i> , 2017, 273, 1891-1930.	1.4	15
34	Invariant measure for the stochastic Navier-Stokes equations in unbounded 2D domains. <i>Annals of Probability</i> , 2017, 45, .	1.8	51
35	A note on stochastic Navier-Stokes equations with not regular multiplicative noise. <i>Stochastics and Partial Differential Equations: Analysis and Computations</i> , 2017, 5, 53-80.	0.9	5
36	Weak solutions of the Stochastic Landau-Lifshitz-Gilbert Equations with nonzero anisotropy energy. <i>Applied Mathematics Research EXpress</i> , 2016, 2016, 334-375.	1.0	13

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37	Existence and Uniqueness for Stochastic 2D Euler Flows with Bounded Vorticity. <i>Archive for Rational Mechanics and Analysis</i> , 2016, 221, 107-142.	2.4	43
38	Invariant measures for stochastic nonlinear beam and wave equations. <i>Journal of Differential Equations</i> , 2016, 260, 4157-4179.	2.2	50
39	Nonlinear stochastic partial differential equations of hyperbolic type driven by Lévy-type noises. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2016, 21, 3269-3299.	0.9	6
40	Irreducibility and strong Feller property for stochastic evolution equations in Banach spaces. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2016, 21, 1051-1077.	0.9	0
41	Ergodicity for a stochastic geodesic equation in the tangent bundle of the 2D sphere. <i>Czechoslovak Mathematical Journal</i> , 2015, 65, 617-657.	0.3	3
42	Quasipotential and exit time for 2D Stochastic Navier-Stokes equations driven by space time white noise. <i>Probability Theory and Related Fields</i> , 2015, 162, 739-793.	1.8	16
43	Second order PDEs with Dirichlet white noise boundary conditions. <i>Journal of Evolution Equations</i> , 2015, 15, 1-26.	1.1	21
44	On the chaotic properties of the von Foerster-Lasota equation. <i>Semigroup Forum</i> , 2014, 88, 287-299.	0.6	4
45	On the Stochastic Strichartz Estimates and the Stochastic Nonlinear Schrödinger Equation on a Compact Riemannian Manifold. <i>Potential Analysis</i> , 2014, 41, 269-315.	0.9	44
46	Multidimensional Stochastic Burgers Equation. <i>SIAM Journal on Mathematical Analysis</i> , 2014, 46, 871-889.	1.9	16
47	Strong solutions for SPDE with locally monotone coefficients driven by Lévy noise. <i>Nonlinear Analysis: Real World Applications</i> , 2014, 17, 283-310.	1.7	73
48	Backward uniqueness and the existence of the spectral limit for linear parabolic SPDEs. <i>Stochastic Processes and Their Applications</i> , 2013, 123, 1851-1870.	0.9	2
49	Random attractors for stochastic 2D-Navier-Stokes equations in some unbounded domains. <i>Journal of Differential Equations</i> , 2013, 255, 3897-3919.	2.2	40
50	Computational Studies for the Stochastic Landau-Lifshitz-Gilbert Equation. <i>SIAM Journal of Scientific Computing</i> , 2013, 35, B62-B81.	2.8	19
51	Existence and convergence results for infinite dimensional nonlinear stochastic equations with multiplicative noise. <i>Stochastic Processes and Their Applications</i> , 2013, 123, 934-951.	0.9	14
52	2D stochastic Navier-Stokes equations driven by jump noise. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2013, 79, 122-139.	1.1	57
53	Existence of a martingale solution of the stochastic Navier-Stokes equations in unbounded 2D and 3D domains. <i>Journal of Differential Equations</i> , 2013, 254, 1627-1685.	2.2	82
54	Uniqueness in Law of the stochastic convolution process driven by Lévy noise. <i>Electronic Journal of Probability</i> , 2013, 18, .	1.0	3

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55	Stochastic geometric wave equations with values in compact Riemannian homogeneous spaces. <i>Annals of Probability</i> , 2013, 41, .	1.8	31
56	Stochastic evolution equations driven by Liouville fractional Brownian motion. <i>Czechoslovak Mathematical Journal</i> , 2012, 62, 1-27.	0.3	16
57	Stochastic Geometric Partial Differential Equations. <i>Interdisciplinary Mathematical Sciences</i> , 2011, , 1-32.	0.4	4
58	Weak Solutions to Stochastic Wave Equations with Values in Riemannian Manifolds. <i>Communications in Partial Differential Equations</i> , 2011, 36, 1624-1653.	2.2	33
59	Invariant measures for stochastic evolution equations in M-type 2 Banach spaces. <i>Journal of Evolution Equations</i> , 2010, 10, 785-810.	1.1	8
60	Regularity of Ornstein-Uhlenbeck Processes Driven by a Lévy White Noise. <i>Potential Analysis</i> , 2010, 32, 153-188.	0.9	44
61	Existence of global solutions and invariant measures for stochastic differential equations driven by Poisson type noise with non-Lipschitz coefficients. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 371, 309-322.	1.0	97
62	Time irregularity of generalized Ornstein-Uhlenbeck processes. <i>Comptes Rendus Mathématique</i> , 2010, 348, 273-276.	0.3	23
63	Hyperbolic Equations with Random Boundary Conditions. <i>Interdisciplinary Mathematical Sciences</i> , 2010, , 1-21.	0.4	4
64	Maximal regularity for stochastic convolutions driven by Lévy processes. <i>Probability Theory and Related Fields</i> , 2009, 145, 615-637.	1.8	44
65	2D Navier-Stokes equation in Besov spaces of negative order. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 70, 3902-3916.	1.1	4
66	On periodic solutions to the von Foerster-Lasota equation. <i>Semigroup Forum</i> , 2009, 78, 118-137.	0.6	16
67	Conceptual Analysis and Random Attractor for Dissipative Random Dynamical Systems. <i>Acta Mathematica Scientia</i> , 2008, 28, 253-268.	1.0	7
68	Itô's formula in UMD Banach spaces and regularity of solutions of the Zakai equation. <i>Journal of Differential Equations</i> , 2008, 245, 30-58.	2.2	55
69	On Stochastic Burgers Equation Driven by a Fractional Laplacian and Space-Time White Noise. <i>Interdisciplinary Mathematical Sciences</i> , 2007, , 135-167.	0.4	14
70	Strong solutions to stochastic wave equations with values in Riemannian manifolds. <i>Journal of Functional Analysis</i> , 2007, 253, 449-481.	1.4	37
71	Asymptotic compactness and absorbing sets for 2D stochastic Navier-Stokes equations on some unbounded domains. <i>Transactions of the American Mathematical Society</i> , 2006, 358, 5587-5630.	0.9	100
72	Fellerian pants. <i>Comptes Rendus Mathématique</i> , 2006, 343, 333-338.	0.3	0

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73	Stochastic nonlinear beam equations. Probability Theory and Related Fields, 2005, 132, 119-149.	1.8	92
74	Asymptotic behaviour of solutions to the 2D stochastic Navier-Stokes equations in unbounded domains – new developments. , 2004, , .		5
75	Stochastic differential equations on product loop manifolds. Bulletin Des Sciences Mathematiques, 2003, 127, 649-667.	1.0	2
76	Renormalization of Coulomb interactions for the 1D Dirac equation. Journal of Mathematical Physics, 2003, 44, 1638-1659.	1.1	3
77	SOME REMARKS ON ITÅ AND STRATONOVICH INTEGRATION IN 2-SMOOTH BANACH SPACES. , 2003, , .		14
78	Space-time regularity for linear stochastic evolution equations driven by spatially homogeneous noise. Kyoto Journal of Mathematics, 2003, 43, 261.	0.3	30
79	Stochastic two dimensional euler equations. Annals of Probability, 2001, 29, 1796.	1.8	62
80	Continuity of Stochastic Convolutions. Czechoslovak Mathematical Journal, 2001, 51, 679-684.	0.3	39
81	Horizontal Lift of an Infinite Dimensional Diffusion. Potential Analysis, 2000, 12, 249-280.	0.9	14
82	Equivalence Of Banach Space-Valued Ornstein-Uhlenbeck Processes. Stochastic and Stochastics Reports, 2000, 69, 77-94.	0.6	3
83	Stochastic convolution in separable Banach spaces and the stochastic linear Cauchy problem. Studia Mathematica, 2000, 143, 43-74.	0.7	52
84	Martingale solutions and invariant measures for stochastic evolution equations in Banach spaces. Stochastic Processes and Their Applications, 1999, 84, 187-225.	0.9	48
85	Space-time continuous solutions to SPDE's driven by a homogeneous Wiener process. Studia Mathematica, 1999, 137, 261-299.	0.7	69
86	On stochastic convolution in banach spaces and applications. Stochastic and Stochastics Reports, 1997, 61, 245-295.	0.6	150
87	The Trace Formula for SchrÅdinger Operators from Infinite Dimensional Oscillatory Integrals. Mathematische Nachrichten, 1996, 182, 21-65.	0.8	18
88	Stationary phase method in infinite dimensions by finite dimensional approximations: Applications to the SchrÅdinger equation. Potential Analysis, 1995, 4, 469-502.	0.9	16
89	Stochastic partial differential equations in M-type 2 Banach spaces. Potential Analysis, 1995, 4, 1-45.	0.9	110
90	Almost sure approximation of Wong-Zakai type for stochastic partial differential equations. Stochastic Processes and Their Applications, 1995, 55, 329-358.	0.9	59

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91	Feynman path integrals as infinite-dimensional oscillatory integrals: Some new developments. Acta Applicandae Mathematicae, 1994, 35, 5-26.	1.0	9
92	Pathwise global attractors for stationary random dynamical systems. Probability Theory and Related Fields, 1993, 95, 87-102.	1.8	49
93	On the 2D Ericksen–Leslie equations with anisotropic energy and external forces. Journal of Evolution Equations, 0, , 1.	1.1	1