Zhongmin Qian

List of Publications by Year
in descending order

18	517	1307594 7	1125743 13
papers	citations	h-index	g-index
19	19	19	172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the transport equation for probability density functions of turbulent vorticity fields. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, 20210534.	2.1	0
2	McKeanâ€“Vlasov type stochastic differential equations arising from the random vortex method. SN Partial Differential Equations and Applications, 2022, 3, 1.	0.6	0
3	Large Deviation Principle for Fractional Brownian Motion with Respect to Capacity. Potential Analysis, 2021, 54, 655-685.	0.9	0
4	Markov semi-groups generated by elliptic operators with divergence-free drift. Journal of Mathematical Analysis and Applications, 2021, 499, 125021.	1.0	0
5	Tracking the vortex motion by using Brownian fluid particles. Physics of Fluids, 2021, 33, .	4.0	3
6	Fine properties of fractional Brownian motions on Wiener space. Journal of Mathematical Analysis and Applications, 2019, 473, 141-173.	1.0	3
7	Parabolic equations with singular divergenceâ€free drift vector fields. Journal of the London Mathematical Society, 2019, 100, 17-40.	1.0	12
8	Parabolic type equations associated with the Dirichlet form on the Sierpinski gasket. Probability Theory and Related Fields, 2019, 175, 1063-1098.	1.8	1
9	Backward problems for stochastic differential equations on the Sierpinski gasket. Stochastic Processes and Their Applications, 2018, 128, 3387-3418.	0.9	4
10	Sharp spectral gap and Liâ€“Yauâ€™s estimate on Alexandrov spaces. Mathematische Zeitschrift, 2013, 273, 1175-1195.	0.9	21
11	Stratonovichâ€™s signatures of Brownian motion determine Brownian sample paths. Probability Theory and Related Fields, 2013, 157, 209-223.	1.8	13
12	Differential structure and flow equations on rough path space. Bulletin Des Sciences Mathematiques, 2011, 135, 695-732.	1.0	4
13	An estimate for the vorticity of the Navierâ€“Stokes equation. Comptes Rendus Mathematique, 2009, 347, 89-92.	0.3	4
14	A representation formula for transition probability densities of diffusions and applications. Stochastic Processes and Their Applications, 2004, 111, 57-76.	0.9	20
15	Comparison theorem and estimates for transition probability densities of diffusion processes. Probability Theory and Related Fields, 2003, 127, 388-406.	1.8	19
16	ROUGH PATHS. , 2002, , 28-60.		19
17	Some New Results on Eigenvectors via Dimension, Diameter, and Ricci Curvature. Advances in Mathematics, 2000, 155, 98-153.	1.1	100
18	Flow Equations on Spaces of Rough Paths. Journal of Functional Analysis, 1997, 149, 135-159.	1.4	18