

# Zhongmin Qian

## List of Publications by Year in descending order

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18  
papers

517  
citations

1307594

7  
h-index

1125743

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

172  
citing authors

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