

JÃ©rÃ©mie Unterberger

List of Publications by Year in descending order

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14
papers

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1478505

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#	ARTICLE	IF	CITATIONS
1	The Schrödinger-Virasoro Lie Group and Algebra: Representation Theory and Cohomological Study. <i>Annales Henri Poincare</i> , 2006, 7, 1477-1529.	1.7	70
2	The Scaling Limit of the KPZ Equation in Space Dimension 3 and Higher. <i>Journal of Statistical Physics</i> , 2018, 171, 543-598.	1.2	37
3	Stochastic calculus for fractional Brownian motion with Hurst exponent $H > 1/4$: A rough path method by analytic extension. <i>Annals of Probability</i> , 2009, 37, .	1.8	28
4	Hölder-Continuous Rough Paths by Fourier Normal Ordering. <i>Communications in Mathematical Physics</i> , 2010, 298, 1-36.	2.2	21
5	A rough path over multidimensional fractional Brownian motion with arbitrary Hurst index by Fourier normal ordering. <i>Stochastic Processes and Their Applications</i> , 2010, 120, 1444-1472.	0.9	16
6	Exact dynamics of a one dimensional Bose gas in a periodic time-dependent harmonic trap. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 185001.	2.1	10
7	Ordered Forests, Permutations, and Iterated Integrals. <i>International Mathematics Research Notices</i> , 2013, 2013, 846-885.	1.0	6
8	From Constructive Field Theory to Fractional Stochastic Calculus. (I) An introduction: Rough Path Theory and Perturbative Heuristics. <i>Annales Henri Poincare</i> , 2011, 12, 1199.	1.7	5
9	A Renormalized Rough Path over Fractional Brownian Motion. <i>Communications in Mathematical Physics</i> , 2013, 320, 603-636.	2.2	5
10	The rough path associated to the multidimensional analytic fBm with any Hurst parameter. <i>Collectanea Mathematica</i> , 2011, 62, 197-223.	0.9	4
11	MODE D'EMPLOI DE LA THÉORIE CONSTRUCTIVE DES CHAMPS BOSONIQUES: avec une application aux chemins rugueux. <i>Confluentes Mathematici</i> , 2012, 04, 1240004.	0.2	4
12	From Constructive Field Theory to Fractional Stochastic Calculus. (II) Constructive Proof of Convergence for the Lévy Area of Fractional Brownian Motion with Hurst Index $\alpha \in (\frac{1}{8}, \frac{1}{4})$. <i>Annales Henri Poincare</i> , 2012, 13, 209-270.	1.7	3
13	Global fluctuations for 1D log-gas dynamics. <i>Stochastic Processes and Their Applications</i> , 2018, 128, 4104-4153.	0.9	3
14	A Hamiltonian Action of the Schrödinger-Virasoro Algebra on a Space of Periodic Time-Dependent Schrödinger Operators in $(1 + 1)$ -Dimensions. <i>Journal of Nonlinear Mathematical Physics</i> , 2010, 17, 257.	1.3	2