

Laurent Saloff-coste

List of Publications by Year in descending order

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docs citations

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times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	Time Regularity for Local Weak Solutions of the Heat Equation on Local Dirichlet Spaces. Potential Analysis, 2024, 60, 79-137.	0.9	2
2	On-diagonal asymptotics for heat kernels of a class of inhomogeneous partial differential operators. Journal of Differential Equations, 2023, 363, 67-125.	2.2	1
3	Heat kernel estimates on connected sums of parabolic manifolds. Journal Des Mathematiques Pures Et Appliquees, 2018, 113, 155-194.	1.7	8
4	Isoperimetric profiles and random walks on some permutation wreath products. Revista Matematica Iberoamericana, 2018, 34, 481-540.	0.7	2
5	Left-invariant geometries on $SU(2)$ are uniformly doubling. Geometric and Functional Analysis, 2018, 28, 1321-1367.	1.8	6
6	Convolution powers of complex functions on \mathbb{Z}^d . Revista Matematica Iberoamericana, 2017, 33, 1045-1121.	0.7	9
7	Random walks and isoperimetric profiles under moment conditions. Annals of Probability, 2016, 44, .	1.8	9
8	Surgery of the Faber-Krahn inequality and applications to heat kernel bounds. Nonlinear Analysis: Theory, Methods & Applications, 2016, 131, 243-272.	1.1	15
9	Brownian motion on treebolic space: positive harmonic functions. Annales De L'Institut Fourier, 2016, 66, 1691-1731.	0.6	1
10	Brownian motion on treebolic space: escape to infinity. Revista Matematica Iberoamericana, 2015, 31, 935-976.	0.7	2
11	Harnack inequality under the change of metric. Nonlinear Analysis: Theory, Methods & Applications, 2015, 115, 89-102.	1.1	0
12	Random walks on free solvable groups. Mathematische Zeitschrift, 2015, 279, 811-848.	0.9	5
13	On the Convolution Powers of Complex Functions on \mathbb{Z} . Journal of Fourier Analysis and Applications, 2015, 21, 754-798.	1.0	10
14	Random walks on nilpotent groups driven by measures supported on powers of generators. Groups, Geometry, and Dynamics, 2015, 9, 1047-1129.	0.4	8
15	Widder's Representation Theorem for Symmetric Local Dirichlet Spaces. Journal of Theoretical Probability, 2014, 27, 1178-1212.	0.8	4
16	The Dirichlet heat kernel in inner uniform domains: Local results, compact domains and non-symmetric forms. Journal of Functional Analysis, 2014, 266, 4189-4235.	1.4	12
17	Spectral computations for birth and death chains. Stochastic Processes and Their Applications, 2014, 124, 848-882.	0.9	1
18	Convolution powers of complex functions on. Mathematische Nachrichten, 2014, 287, 1106-1130.	0.7	19

#	ARTICLE	IF	CITATIONS
19	Poincaré inequality: From remote balls to all balls. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2014, 108, 161-172.	1.1	1
20	Large deviations for stable like random walks on \mathbb{Z}^d with applications to random walks on wreath products. <i>Electronic Journal of Probability</i> , 2013, 18, .	1.0	4
21	Comparison of Cutoffs Between Lazy Walks and Markovian Semigroups. <i>Journal of Applied Probability</i> , 2013, 50, 943-959.	0.8	14
22	Random walks driven by low moment measures. <i>Annals of Probability</i> , 2012, 40, .	1.8	9
23	A geometric criterion for the boundedness of characteristic classes. <i>Mathematische Annalen</i> , 2011, 351, 541-569.	1.3	4
24	The heat semigroup and Brownian motion on strip complexes. <i>Advances in Mathematics</i> , 2011, 226, 992-1055.	1.1	11
25	Gibbs sampling, conjugate priors and coupling. <i>Sankhya A</i> , 2010, 72, 136-169.	0.8	12
26	The L^2 -cutoff for reversible Markov processes. <i>Journal of Functional Analysis</i> , 2010, 258, 2246-2315.	1.4	10
27	Stochastic alternating projections. <i>Illinois Journal of Mathematics</i> , 2010, 54, .	0.2	6
28	Surjectivity of the Taylor map for complex nilpotent Lie groups. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2009, 146, 177-195.	0.6	5
29	Cross Curvature Flow on Locally Homogeneous Three-manifolds (II). <i>Asian Journal of Mathematics</i> , 2009, 13, 421-458.	0.3	8
30	Backward Ricci flow on locally homogeneous 3-manifolds. <i>Communications in Analysis and Geometry</i> , 2009, 17, 305-325.	0.4	16
31	The backward behavior of the Ricci and cross-curvature flows on $\mathrm{SL}(2, \mathbb{R})$. <i>Communications in Analysis and Geometry</i> , 2009, 17, 777-796.	0.4	11
32	Heat kernel on manifolds with ends. <i>Annales De L'Institut Fourier</i> , 2009, 59, 1917-1997.	0.6	38
33	The cutoff phenomenon for randomized riffle shuffles. <i>Random Structures and Algorithms</i> , 2008, 32, 346-374.	1.1	4
34	Gibbs Sampling, Exponential Families and Orthogonal Polynomials. <i>Statistical Science</i> , 2008, 23, .	2.9	81
35	The Cutoff Phenomenon for Ergodic Markov Processes. <i>Electronic Journal of Probability</i> , 2008, 13, .	1.0	48
36	Separation cut-offs for birth and death chains. <i>Annals of Applied Probability</i> , 2006, 16, .	1.3	54

#	ARTICLE	IF	CITATIONS
37	Stability results for Harnack inequalities. Annales De L'Institut Fourier, 2005, 55, 825-890.	0.6	67
38	Random Walks on Finite Groups. Encyclopaedia of Mathematical Sciences, 2004, , 263-346.	0.0	100
39	On the sample paths of Brownian motions on compact infinite dimensional groups. Annals of Probability, 2003, 31, 1464.	1.8	3
40	Dirichlet heat kernel in the exterior of a compact set. Communications on Pure and Applied Mathematics, 2002, 55, 93-133.	3.1	41
41	Hitting probabilities for Brownian motion on Riemannian manifolds. Journal Des Mathematiques Pures Et Appliquees, 2002, 81, 115-142.	1.7	32
42	On the relation between elliptic and parabolic Harnack inequalities. Annales De L'Institut Fourier, 2001, 51, 1437-1481.	0.6	86
43	Bounds for Kac's Master Equation. Communications in Mathematical Physics, 2000, 209, 729-755.	2.3	46
44	Heat kernel on connected sums of Riemannian manifolds. Mathematical Research Letters, 1999, 6, 307-321.	0.5	19
45	Some Inequalities for Superharmonic Functions on Graphs. Potential Analysis, 1997, 6, 163-181.	0.9	8
46	Transition operators, groups, norms, and spectral radii. Pacific Journal of Mathematics, 1997, 180, 333-367.	0.4	14
47	Computing Norms of Group-Invariant Transition Operators. Combinatorics Probability and Computing, 1996, 5, 161-178.	1.2	7
48	Inequalities forp-superharmonic functions on networks. Milan Journal of Mathematics, 1995, 65, 139-158.	0.1	1
49	Comparison Theorems for Reversible Markov Chains. Annals of Applied Probability, 1993, 3, 696.	1.3	283
50	Isopérimétrie pour les groupes et les variétés. Revista Matematica Iberoamericana, 1993, 9, 293-314.	0.7	115
51	Uniformly elliptic operators on Riemannian manifolds. Journal of Differential Geometry, 1992, 36, 417.	1.0	174
52	Semi-groupes d'opérateurs et espaces fonctionnels sur les groupes de Lie. Journal of Approximation Theory, 1991, 65, 176-199.	0.8	14
53	Analyse sur les groupes de Lie à croissance polynomiale. Arkiv for Matematik, 1990, 28, 315-331.	0.4	65
54	Random Walks on Some Countable Groups. , 0, , 77-103.		1

#	ARTICLE	IF	CITATIONS
55	On Some Random Walks Driven by Spread-Out Measures. , 0, , 444-474.		2
56	Isoperimetric profiles and random walks on some groups defined by piecewise actions. Probability Theory and Related Fields, 0, , 1.	1.7	1
57	Rough hypoellipticity for the heat equation in Dirichlet spaces. Mathematische Nachrichten, 0, , .	0.7	0