

Jan Maas

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

867
citations

516710

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h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradient flows of the entropy for finite Markov chains. <i>Journal of Functional Analysis</i> , 2011, 261, 2250-2292.	1.4	177
2	Ricci Curvature of Finite Markov Chains via Convexity of the Entropy. <i>Archive for Rational Mechanics and Analysis</i> , 2012, 206, 997-1038.	2.4	112
3	Gradient flow and entropy inequalities for quantum Markov semigroups with detailed balance. <i>Journal of Functional Analysis</i> , 2017, 273, 1810-1869.	1.4	68
4	An Analog of the 2-Wasserstein Metric in Non-Commutative Probability Under Which the Fermionic Fokker-Planck Equation is Gradient Flow for the Entropy. <i>Communications in Mathematical Physics</i> , 2014, 331, 887-926.	2.2	61
5	Gradient flow structures for discrete porous medium equations. <i>Discrete and Continuous Dynamical Systems</i> , 2014, 34, 1355-1374.	0.9	43
6	Non-commutative Calculus, Optimal Transport and Functional Inequalities in Dissipative Quantum Systems. <i>Journal of Statistical Physics</i> , 2020, 178, 319-378.	1.2	40
7	Entropic Ricci curvature bounds for discrete interacting systems. <i>Annals of Applied Probability</i> , 2016, 26, .	1.3	37
8	Gromov-Hausdorff Convergence of Discrete Transportation Metrics. <i>SIAM Journal on Mathematical Analysis</i> , 2013, 45, 879-899.	1.9	28
9	A generalized model for optimal transport of images including dissipation and density modulation. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2015, 49, 1745-1769.	1.9	25
10	Conical square functions and non-tangential maximal functions with respect to the gaussian measure. <i>Publicacions Matematiques</i> , 2011, 55, 313-341.	0.5	21
11	Approximating Rough Stochastic PDEs. <i>Communications on Pure and Applied Mathematics</i> , 2014, 67, 776-870.	3.1	20
12	Boundedness of Riesz transforms for elliptic operators on abstract Wiener spaces. <i>Journal of Functional Analysis</i> , 2009, 257, 2410-2475.	1.4	19
13	Malliavin calculus and decoupling inequalities in Banach spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 363, 383-398.	1.0	18
14	Whitney coverings and the tent spaces $T_1, q(\hat{1}^3)$ for the Gaussian measure. <i>Arkiv for Matematik</i> , 2012, 50, 379-395.	0.5	18
15	Discrete Ricci Curvature bounds for Bernoulli-Laplace and Random Transposition models. <i>Annales De La Faculté Des Sciences De Toulouse</i> , 2015, 24, 781-800.	0.3	18
16	A spatial version of the Itô-Stratonovich correction. <i>Annals of Probability</i> , 2012, 40, .	1.8	17
17	Modeling of Chemical Reaction Systems with Detailed Balance Using Gradient Structures. <i>Journal of Statistical Physics</i> , 2020, 181, 2257-2303.	1.2	16
18	On analytic Ornstein-Uhlenbeck semigroups in infinite dimensions. <i>Archiv Der Mathematik</i> , 2007, 89, 226-236.	0.5	15

#	ARTICLE	IF	CITATIONS
19	From large deviations to Wasserstein gradient flows in multiple dimensions. <i>Electronic Communications in Probability</i> , 2015, 20, .	0.4	15
20	Long-time behavior of a finite volume discretization for a fourth order diffusion equation. <i>Nonlinearity</i> , 2016, 29, 1992-2023.	1.4	12
21	ON THE DOMAIN OF NONSYMMETRIC ORNSTEIN-UHLENBECK OPERATORS IN BANACH SPACES. <i>Infinite Dimensional Analysis, Quantum Probability and Related Topics</i> , 2008, 11, 603-626.	0.5	11
22	A Clark-Ocone formula in UMD Banach spaces. <i>Electronic Communications in Probability</i> , 2008, 13, .	0.4	11
23	Poisson stochastic integration in Banach spaces. <i>Electronic Journal of Probability</i> , 2013, 18, .	1.0	11
24	Scaling Limits of Discrete Optimal Transport. <i>SIAM Journal on Mathematical Analysis</i> , 2020, 52, 2759-2802.	1.9	11
25	On the geometry of geodesics in discrete optimal transport. <i>Calculus of Variations and Partial Differential Equations</i> , 2019, 58, 19.	1.7	9
26	Homogenisation of one-dimensional discrete optimal transport. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2020, 139, 204-234.	1.6	9
27	Entropic Ricci Curvature for Discrete Spaces. <i>Lecture Notes in Mathematics</i> , 2017, , 159-174.	0.2	8
28	A Trotter product formula for gradient flows in metric spaces. <i>Journal of Evolution Equations</i> , 2011, 11, 405-427.	1.1	4
29	Gradient flow formulation of diffusion equations in the Wasserstein space over a Metric graph. <i>Networks and Heterogeneous Media</i> , 2022, 17, 687.	1.1	3
30	Transport Based Image Morphing with Intensity Modulation. <i>Lecture Notes in Computer Science</i> , 2017, , 563-577.	1.3	1