

Jan Maas

List of Publications by Year in descending order

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papers

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33
all docs

33
docs citations

33
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradient flow formulation of diffusion equations in the Wasserstein space over a Metric graph. Networks and Heterogeneous Media, 2022, 17, 687.	1.1	3
2	Non-commutative Calculus, Optimal Transport and Functional Inequalities in Dissipative Quantum Systems. Journal of Statistical Physics, 2020, 178, 319-378.	1.2	40
3	Modeling of Chemical Reaction Systems with Detailed Balance Using Gradient Structures. Journal of Statistical Physics, 2020, 181, 2257-2303.	1.2	16
4	Scaling Limits of Discrete Optimal Transport. SIAM Journal on Mathematical Analysis, 2020, 52, 2759-2802.	1.9	11
5	Homogenisation of one-dimensional discrete optimal transport. Journal Des Mathematiques Pures Et Appliquees, 2020, 139, 204-234.	1.6	9
6	On the geometry of geodesics in discrete optimal transport. Calculus of Variations and Partial Differential Equations, 2019, 58, 19.	1.7	9
7	Gradient flow and entropy inequalities for quantum Markov semigroups with detailed balance. Journal of Functional Analysis, 2017, 273, 1810-1869.	1.4	68
8	Entropic Ricci Curvature for Discrete Spaces. Lecture Notes in Mathematics, 2017, , 159-174.	0.2	8
9	Transport Based Image Morphing with Intensity Modulation. Lecture Notes in Computer Science, 2017, , 563-577.	1.3	1
10	Entropic Ricci curvature bounds for discrete interacting systems. Annals of Applied Probability, 2016, 26, .	1.3	37
11	Long-time behavior of a finite volume discretization for a fourth order diffusion equation. Nonlinearity, 2016, 29, 1992-2023.	1.4	12
12	From large deviations to Wasserstein gradient flows in multiple dimensions. Electronic Communications in Probability, 2015, 20, .	0.4	15
13	A generalized model for optimal transport of images including dissipation and density modulation. ESAIM: Mathematical Modelling and Numerical Analysis, 2015, 49, 1745-1769.	1.9	25
14	Discrete Ricci Curvature bounds for Bernoulli-Laplace and Random Transposition models. Annales De La Faculté Des Sciences De Toulouse, 2015, 24, 781-800.	0.3	18
15	An Analog of the 2-Wasserstein Metric in Non-Commutative Probability Under Which the Fermionic Fokker-Planck Equation is Gradient Flow for the Entropy. Communications in Mathematical Physics, 2014, 331, 887-926.	2.2	61
16	Approximating Rough Stochastic PDEs. Communications on Pure and Applied Mathematics, 2014, 67, 776-870.	3.1	20
17	Gradient flow structures for discrete porous medium equations. Discrete and Continuous Dynamical Systems, 2014, 34, 1355-1374.	0.9	43
18	Gromov-Hausdorff Convergence of Discrete Transportation Metrics. SIAM Journal on Mathematical Analysis, 2013, 45, 879-899.	1.9	28

#	ARTICLE	IF	CITATIONS
19	Poisson stochastic integration in Banach spaces. <i>Electronic Journal of Probability</i> , 2013, 18, .	1.0	11
20	A spatial version of the Itô-Stratonovich correction. <i>Annals of Probability</i> , 2012, 40, .	1.8	17
21	Whitney coverings and the tent spaces $T_{1, q}(\hat{\mathbb{R}}^3)$ for the Gaussian measure. <i>Arkiv for Matematik</i> , 2012, 50, 379-395.	0.5	18
22	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
23	A Trotter product formula for gradient flows in metric spaces. <i>Journal of Evolution Equations</i> , 2011, 11, 405-427.	1.1	4
24	Gradient flows of the entropy for finite Markov chains. <i>Journal of Functional Analysis</i> , 2011, 261, 2250-2292.	1.4	177
25	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
26	Malliavin calculus and decoupling inequalities in Banach spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 363, 383-398.	1.0	18
27	Boundedness of Riesz transforms for elliptic operators on abstract Wiener spaces. <i>Journal of Functional Analysis</i> , 2009, 257, 2410-2475.	1.4	19
28	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
29	A Clark-Ocone formula in UMD Banach spaces. <i>Electronic Communications in Probability</i> , 2008, 13, .	0.4	11
30	On analytic Ornstein-Uhlenbeck semigroups in infinite dimensions. <i>Archiv Der Mathematik</i> , 2007, 89, 226-236.	0.5	15