

Katy Craig

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/519357/publications.pdf>

Version: 2024-02-01

12
papers

220
citations

1040056

9
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	A blob method for diffusion. Calculus of Variations and Partial Differential Equations, 2019, 58, 1.	1.7	48
2	A blob method for the aggregation equation. Mathematics of Computation, 2015, 85, 1681-1717.	2.1	41
3	Aggregation-Diffusion Equations: Dynamics, Asymptotics, and Singular Limits. Modeling and Simulation in Science, Engineering and Technology, 2019, , 65-108.	0.6	23
4	Congested Aggregation via Newtonian Interaction. Archive for Rational Mechanics and Analysis, 2018, 227, 1-67.	2.4	21
5	Linearized optimal transport for collider events. Physical Review D, 2020, 102, .	4.7	18
6	Nonconvex gradient flow in the Wasserstein metric and applications to constrained nonlocal interactions. Proceedings of the London Mathematical Society, 2017, 114, 60-102.	1.3	16
7	Convergence of Regularized Nonlocal Interaction Energies. SIAM Journal on Mathematical Analysis, 2016, 48, 34-60.	1.9	14
8	Primal Dual Methods for Wasserstein Gradient Flows. Foundations of Computational Mathematics, 2022, 22, 389-443.	2.5	13
9	Aggregation-diffusion to constrained interaction: Minimizers & gradient flows in the slow diffusion limit. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2020, 37, 239-279.	1.4	11
10	Which metric on the space of collider events?. Physical Review D, 2022, 105, .	4.7	7
11	The exponential formula for the wasserstein metric. ESAIM - Control, Optimisation and Calculus of Variations, 2016, 22, 169-187.	1.3	5
12	Contraction of the proximal map and generalized convexity of the Moreau-Yosida regularization in the 2-Wasserstein metric. Mathematics and Mechanics of Complex Systems, 2013, 1, 33-65.	0.9	3