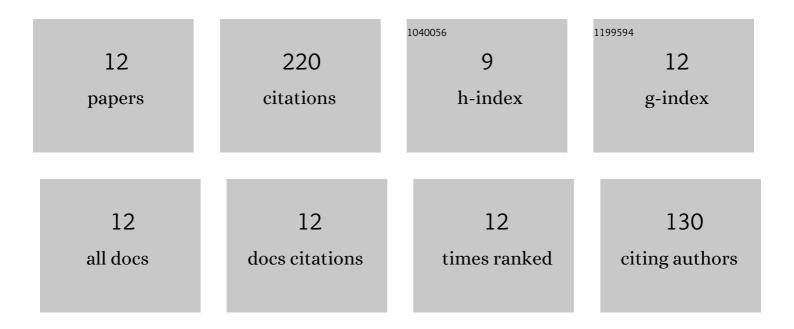


List of Publications by Year in descending order

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KATY CDAIC

| # | 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 |