Ryan W Murray

List of Publications by Year
in descending order

20 papers	140 citations	1477746 6 h-index	1281420 11 g-index
20 all docs	20 docs citations	20 times ranked	114 citing authors

#	Article	IF	Citations
1	On Best-Response Dynamics in Potential Games. SIAM Journal on Control and Optimization, 2018, 56, 2734-2767.	1.1	33
2	Revisiting Normalized Gradient Descent: Fast Evasion of Saddle Points. IEEE Transactions on Automatic Control, 2019, 64, 4818-4824.	3.6	19
3	On self-similar solutions to the incompressible Euler equations. Journal of Differential Equations, 2020, 269, 5142-5203.	1.1	14
4	A model for system uncertainty in reinforcement learning. Systems and Control Letters, 2018, 122, 24-31.	1.3	13
5	Second-Order Î“-limit for the Cahnâ€"Hilliard Functional. Archive for Rational Mechanics and Analysis, 2016, 219, 1383-1451.	1.1	12
6	A new analytical approach to consistency and overfitting in regularized empirical risk minimization. European Journal of Applied Mathematics, 2017, 28, 886-921.	1.4	8
7	A Maximum Principle Argument for the Uniform Convergence of Graph Laplacian Regressors. SIAM Journal on Mathematics of Data Science, 2020, 2, 705-739.	1.0	7
8	Slow motion for the nonlocal Allenâ€"Cahn equation in n dimensions. Calculus of Variations and Partial Differential Equations, 2016, 55, 1.	0.9	5
9	Distributed Gradient Descent: Nonconvergence to Saddle Points and the Stable-Manifold Theorem. , 2019, , .		5
10	Algebraic Decay to Equilibrium for the Becker--DĶring Equations. SIAM Journal on Mathematical Analysis, 2016, 48, 2819-2842.	0.9	4
11	Neutral competition in a deterministically changing environment: Revisiting continuum approaches. Journal of Theoretical Biology, 2020, 486, 110104.	0.8	4
12	Distributed Gradient Flow: Nonsmoothness, Nonconvexity, and Saddle Point Evasion. IEEE Transactions on Automatic Control, 2022, 67, 3949-3964.	3.6	4
13	Cutoff estimates for the linearized Beckerâ€"DĶring equations. Communications in Mathematical Sciences, 2017, 15, 1685-1702.	0.5	3
14	Regular potential games. Games and Economic Behavior, 2020, 124, 432-453.	0.4	2
15	Dropout Fails to Regularize Nonparametric Learners. Journal of Statistical Theory and Practice, 2021, 15, 1.	0.3	2
16	Best-Response Dynamics in Continuous Potential Games: Non-Convergence to Saddle Points. , 2018, , .		1
17	Modelling uncertainty in reinforcement learning. , 2019, , .		1
18	Local minimizers and slow motion for the mass preserving Allenâ€"Cahn equation in higher dimensions. Proceedings of the American Mathematical Society, 2019, 147, 5167-5182.	0.4	1

#	Article	IF	Citations
19	From Graph Cuts to Isoperimetric Inequalities: Convergence Rates of Cheeger Cuts on Data Clouds. Archive for Rational Mechanics and Analysis, 2022, 244, 541-598.	1.1	1
20	Tukey Depths and Hamilton--Jacobi Differential Equations. SIAM Journal on Mathematics of Data Science, 2022, 4, 604-633.	1.0	1