

List of publications and preprints – Sven Wang

Author order is alphabetical unless otherwise noted.

PREPRINTS / SUBMITTED WORKS

- [7] Statistical algorithms for low-frequency diffusion data
M. Giordano and S. Wang
Preprint (2024), submitted to *Annals of Statistics*.
- [6] Wasserstein-based Minimax Estimation of Dependence in Multivariate Extremes
X. Zhang, J. Blanchet, Y. Marzouk, V.A. Nguyen and S. Wang
Preprint (2023).
- [5] Towards accounting for stakes in voting
B. Flanigan, A. Procaccia and S. Wang
Preprint (2023), submitted to *Economics and Computation*.
- [4] On minimax density estimation via measure transport
S. Wang and Y. Marzouk
Preprint (2022), extended version forthcoming.
- [3] Distribution learning via neural differential equations: a nonparametric statistical perspective
Y. Marzouk, R. Ren, S. Wang and J. Zech
Preprint (2023), submitted to *Journal for Machine Learning Research*.
- [2] Infinite-dimensional diffusion models for function spaces
J. Pidstrigach, Y. Marzouk, S. Reich and S. Wang
Preprint (2023), submitted to *Journal for Machine Learning Research*.
- [1] Wasserstein Distributionally Robust Gaussian Process Regression and Linear Inverse Problems
X. Zhang, J. Blanchet, Y. Marzouk, V.A. Nguyen and S. Wang
Preprint (2023), submitted to *Annals of Applied Probability*.

PUBLISHED / ACCEPTED WORKS

- [7] Manipulation-robust selection of citizens' assemblies
B. Flanigan, J. Liang, S. Wang and A. Procaccia
Proceedings of *AAAI* (2024).
- [6] On free energy barriers in Gaussian priors and failure of MCMC for high-dimensional unimodal distributions
A.S. Bandeira, A. Maillard, R. Nickl and S. Wang.
Philosophical Transactions of the Royal Society A **381**: 20220150 (2023).
- [5] Distortion under public-spirited voting
B. Flanigan, A. Procaccia and S. Wang
Economics and Computation (EC) (2023)
- [4] Laplace priors and spatial inhomogeneity in Bayesian inverse problems
S. Agapiou and S. Wang
Bernoulli, 30(2): 878-910 (2024).
- [3] On polynomial-time computation of high-dimensional posterior measures by Langevin-type algorithms
R. Nickl and S. Wang
Journal of the European Mathematical Society, **26**:1031-1112 (2024).
- [2] Convergence rates for Penalised Least Squares estimators in PDE-constrained regression problems
R. Nickl, S. van de Geer and S. Wang.
SIAM/ASA Journal on Uncertainty Quantification, 8(1): 374-413 (2020).
- [1] The nonparametric LAN expansion for discretely observed diffusions
S. Wang
Electronic Journal of Statistics 13(1): 1329-1358 (2019).
- [A] PhD thesis. Statistical inference and computation in PDE models. University of Cambridge (2021).