Liu Yang

List of Publications by Year
in descending order

9 papers	2,547 citations	1163065 8 h-index	1474186 9 g-index
9 all docs	9 docs citations	9 times ranked	1041 citing authors

#	Article	IF	Citations
1	Physics-informed machine learning. Nature Reviews Physics, 2021, 3, 422-440.	26.6	1,789
2	B-PINNs: Bayesian physics-informed neural networks for forward and inverse PDE problems with noisy data. Journal of Computational Physics, 2021, 425, 109913.	3.8	350
3	Physics-Informed Generative Adversarial Networks for Stochastic Differential Equations. SIAM Journal of Scientific Computing, 2020, 42, A292-A317.	2.8	168
4	Reinforcement learning for bluff body active flow control in experiments and simulations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26091-26098.	7.1	114
5	Solving Inverse Stochastic Problems from Discrete Particle Observations Using the Fokker--Planck Equation and Physics-Informed Neural Networks. SIAM Journal of Scientific Computing, 2021, 43, B811-B830.	2.8	45
6	Neural-net-induced Gaussian process regression for function approximation and PDE solution. Journal of Computational Physics, 2019, 384, 270-288.	3.8	39
7	Learning functional priors and posteriors from data and physics. Journal of Computational Physics, 2022, 457, 111073.	3.8	23
8	Potential Flow Generator With L_2 Optimal Transport Regularity for Generative Models. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 528-538.	11.3	11
9	Generative Ensemble Regression: Learning Particle Dynamics from Observations of Ensembles with Physics-informed Deep Generative Models. SIAM Journal of Scientific Computing, 2022, 44, B80-B99.	2.8	8