

Sören Taverniers

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	GINNs: Graph-Informed Neural Networks for multiscale physics. Journal of Computational Physics, 2021, 433, 110192.	3.8	18
2	Mutual information for explainable deep learning of multiscale systems. Journal of Computational Physics, 2021, 444, 110551.	3.8	7
3	Estimation of distributions via multilevel Monte Carlo with stratified sampling. Journal of Computational Physics, 2020, 419, 109572.	3.8	20
4	Accelerated Multilevel Monte Carlo With Kernel-Based Smoothing and Latinized Stratification. Water Resources Research, 2020, 56, e2019WR026984.	4.2	11
5	A tightly-coupled domain-decomposition approach for highly nonlinear stochastic multiphysics systems. Journal of Computational Physics, 2017, 330, 884-901.	3.8	4
6	Impact of parametric uncertainty on estimation of the energy deposition into an irradiated brain tumor. Journal of Computational Physics, 2017, 348, 139-150.	3.8	3
7	Conservative tightly-coupled simulations of stochastic multiscale systems. Journal of Computational Physics, 2016, 313, 400-414.	3.8	4
8	Physics-based statistical learning approach to mesoscopic model selection. Physical Review E, 2015, 92, 053301.	2.1	6
9	Noise propagation in hybrid models of nonlinear systems: The Ginzburg-Landau equation. Journal of Computational Physics, 2014, 262, 313-324.	3.8	10