Matteo Croci

List of Publications by Year
in descending order

10 papers	**104** citations	1478458 **6** h-index	1474186 **9** g-index
11 all docs	**11** docs citations	**11** times ranked	**87** citing authors

#	Article	IF	Citations
1	Uncertainty quantification of parenchymal tracer distribution using random diffusion and convective velocity fields. Fluids and Barriers of the CNS, 2019, 16, 32.	5.0	33
2	Efficient White Noise Sampling and Coupling for Multilevel Monte Carlo with Nonnested Meshes. SIAM-ASA Journal on Uncertainty Quantification, 2018, 6, 1630-1655.	2.0	20
3	Stochastic rounding: implementation, error analysis and applications. Royal Society Open Science, 2022, 9, 211631.	2.4	17
4	Fast uncertainty quantification of tracer distribution in the brain interstitial fluid with multilevel and quasi Monte Carlo. International Journal for Numerical Methods in Biomedical Engineering, 2021, 37, e3412.	2.1	8
5	Fluid Simulations Accelerated With 16 Bits: Approaching 4x Speedup on A64FX by Squeezing ShallowWaters.jl Into Float16. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	8
6	Deflation for semismooth equations. Optimization Methods and Software, 2020, 35, 1248-1271.	2.4	6
7	Mixed-precision explicit stabilized Runge–Kutta methods for single- and multi-scale differential equations. Journal of Computational Physics, 2022, 464, 111349.	3.8	4
8	Complexity bounds on supermesh construction for quasi-uniform meshes. Journal of Computational Physics, 2020, 414, 109459.	3.8	2
9	Multilevel Quasi Monte Carlo Methods for Elliptic PDEs with Random Field Coefficients via Fast White Noise Sampling. SIAM Journal of Scientific Computing, 2021, 43, A2840-A2868.	2.8	1
10	Modeling charge separation in charged nanochannels for single-molecule electrometry. Journal of Chemical Physics, 2022, 156, 105104.	3.0	0