Xiao-Yu Guo

List of Publications by Year
in descending order

15 papers	98 citations	1937685 4 h-index	1474206 9 g-index
15 all docs	15 docs citations	15 times ranked	51 citing authors

#	Article	IF	Citations
1	Research on global neighbor list method in Monte Carlo code RMC. Annals of Nuclear Energy, 2022, 167, 108861.	1.8	1
2	Convergence diagnostics for Monte Carlo fission source distributions using the Wasserstein distance measure. Nuclear Engineering and Design, 2022, 389, 111675.	1.7	5
3	Development of an improved direct kinetic simulation capability in RMC code. Annals of Nuclear Energy, 2022, 173, 109110.	1.8	2
4	Kinetic methods in Monte Carlo code RMC and its implementation to C5G7-TD benchmark. Annals of Nuclear Energy, 2021, 151, 107864.	1.8	9
5	Forced propagation method for Monte Carlo fission source convergence acceleration in the RMC. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	4
6	Improved generalized perturbation theory method for sensitivity analysis of generalized response function. Progress in Nuclear Energy, 2021, 134, 103643.	2.9	2
7	Hybrid windowed networks for on-the-fly Doppler broadening in RMC code. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	4
8	An improved tracking method for particle transport Monte Carlo simulations. Journal of Computational Physics, 2021, 437, 110330.	3.8	4
9	A hash mapping method using cell vectors in Monte Carlo code RMC. Annals of Nuclear Energy, 2021, 160, 108395.	1.8	3
10	RMC/CTF multiphysics solutions to VERA core physics benchmark problem #8. Annals of Nuclear Energy, 2020, 143, 107466.	1.8	4
11	INVERSE UNCERTAINTY QUANTIFICATION OF CTF PHYSICAL MODEL PARAMETERS USING BAYESIAN INFERENCE. The Proceedings of the International Conference on Nuclear Engineering (ICONE), 2019, 2019.27, 1435.	0.0	0
12	Versatility and stabilization improvements of full core neutronics/thermal-hydraulics coupling between RMC and CTF. Nuclear Engineering and Design, 2018, 332, 88-98.	1.7	7
13	Local Void Fractions and Bubble Velocity in Vertical Air-Water Two-Phase Flows Measured by Needle-Contact Capacitance Probe. Science and Technology of Nuclear Installations, 2018, 2018, 1-14.	0.8	10
14	Analysis of BEAVRS two-cycle benchmark using RMC based on full core detailed model. Progress in Nuclear Energy, 2017, 98, 301-312.	2.9	40
15	Prediction of Flow and Temperature Distributions in a High Flux Research Reactor Using the Porous Media Approach. Science and Technology of Nuclear Installations, 2017, 2017, 1-13.	0.8	3