

Fausto Malvagi

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Poisson-Box Sampling algorithms for three-dimensional Markov binary mixtures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 70-82. | 2.3 | 7 |
| 2 | Neutron multiplication in random media: Reactivity and kinetics parameters. Annals of Nuclear Energy, 2018, 111, 391-406. | 1.8 | 22 |
| 3 | Monte Carlo chord length sampling for d-dimensional Markov binary mixtures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 204, 256-271. | 2.3 | 10 |
| 4 | Benchmark solutions for transport in d-dimensional Markov binary mixtures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 189, 133-148. | 2.3 | 15 |
| 5 | Monte Carlo particle transport in random media: The effects of mixing statistics. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 196, 270-286. | 2.3 | 19 |
| 6 | Clustering and traveling waves in the Monte Carlo criticality simulation of decoupled and confined media. Nuclear Engineering and Technology, 2017, 49, 1157-1164. | 2.3 | 11 |
| 7 | Recent developments in the TRIPOLI-4 [®] Monte-Carlo code for shielding and radiation protection applications. EPJ Web of Conferences, 2017, 153, 06007. | 0.3 | 2 |
| 8 | Depletion calculations based on perturbations. Application to the study of a REP-like assembly at beginning of cycle with TRIPOLI-4 [®] . Annals of Nuclear Energy, 2015, 79, 43-50. | 1.8 | 3 |
| 9 | Monte Carlo methods for reactor period calculations. Annals of Nuclear Energy, 2015, 75, 627-634. | 1.8 | 29 |
| 10 | Alpha eigenvalue calculations with Tripoli-4 [®] . Annals of Nuclear Energy, 2014, 63, 276-284. | 1.8 | 35 |
| 11 | Particle clustering in Monte Carlo criticality simulations. Annals of Nuclear Energy, 2014, 63, 612-618. | 1.8 | 38 |
| 12 | Depletion Calculations Based on Perturbations. Application to the Study of a Rep-Like Assembly at Beginning of Cycle with TRIPOLI-4 [®] .., 2014, , . | | 0 |
| 13 | Doppler broadening of neutron elastic scattering kernel in Tripoli-4 [®] . Annals of Nuclear Energy, 2013, 54, 218-226. | 1.8 | 36 |
| 14 | Monte Carlo Simulation of Fully Markovian Stochastic Geometries. Progress in Nuclear Science and Technology, 2011, 2, 743-748. | 0.3 | 9 |
| 15 | Systematic Uncertainty Due to Statistics in Monte Carlo Burnup Codes: Application to a Simple Benchmark with TRIPOLI-4-D. Progress in Nuclear Science and Technology, 2011, 2, 879-885. | 0.3 | 11 |
| 16 | Comparison of MCNPX-C90 and TRIPOLI-4-D for fuel depletion calculations of a Gas-cooled Fast Reactor. Annals of Nuclear Energy, 2010, 37, 1101-1106. | 1.8 | 12 |
| 17 | A singular integral equation formulation and solution for transport in semi-infinite ducts. Journal of Mathematical Physics, 1987, 28, 178-183. | 1.1 | 3 |
| 18 | One-Dimensional Models for Neutral Particle Transport in Ducts. Nuclear Science and Engineering, 1986, 93, 13-30. | 1.1 | 27 |