

# Fausto Malvagi

## List of Publications by Year in descending order

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18  
papers

289  
citations

933447

10  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

111  
citing authors

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