

Todd S Palmer

List of Publications by Year in descending order

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15
papers

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1683934

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1474057

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docs citations

16
times ranked

57
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of multi-objective optimization methods and their applications for nuclear scientists and engineers. <i>Progress in Nuclear Energy</i> , 2021, 138, 103830.	1.3	29
2	Using Machine Learning Methods to Predict Bias in Nuclear Criticality Safety. <i>Journal of Computational and Theoretical Transport</i> , 2018, 47, 552-565.	0.3	13
3	A Five-Year Core for a Small Modular Light Water Reactor. <i>Nuclear Science and Engineering</i> , 2011, 167, 77-90.	0.5	9
4	Deterministic Phonon Transport Predictions of Thermal Conductivity in Uranium Dioxide With Xenon Impurities. <i>Journal of Heat Transfer</i> , 2018, 140, .	1.2	6
5	Reduced-Order Modeling of Nuclear Reactor Kinetics Using Proper Generalized Decomposition. <i>Nuclear Science and Engineering</i> , 2020, 194, 837-858.	0.5	6
6	An agent-based blackboard system for multi-objective optimization. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 480-506.	1.5	5
7	Application of Machine Learning Algorithms to Identify Problematic Nuclear Data. <i>Nuclear Science and Engineering</i> , 2021, 195, 1265-1278.	0.5	4
8	Gray Phonon Transport Prediction of Thermal Conductivity in Lithium Aluminate with Higher-Order Finite Elements on Meshes with Curved Surfaces. <i>Journal of Computational and Theoretical Transport</i> , 2021, 50, 483-506.	0.3	3
9	UTILIZING A REDUCED-ORDER MODEL AND PHYSICAL PROGRAMMING FOR PRELIMINARY REACTOR DESIGN OPTIMIZATION. <i>EPJ Web of Conferences</i> , 2021, 247, 06049.	0.1	2
10	Analysis of Multiple TRIGA-Based Molybdenum Production Reactor Cores Using a New Low-Enriched Uranium Target as Fuel. <i>Nuclear Science and Engineering</i> , 2016, 183, 149-159.	0.5	1
11	Benchmarked, Three-Dimensional Antineutrino Source Term Calculations of Light Water Reactors for Nonproliferation Applications. <i>Nuclear Technology</i> , 2012, 179, 160-168.	0.7	0
12	The 22nd International Conference on Transport Theory, Portland, Oregon, September 11-15, 2011. <i>Transport Theory and Statistical Physics</i> , 2012, 41, i-iii.	0.4	0
13	Numerical computation of discrete differential scattering cross sections for Monte Carlo charged particle transport. <i>Nuclear Engineering and Design</i> , 2015, 295, 674-678.	0.8	0
14	Analysis of the LIFT Variance-Reduction Method Applied to Monte Carlo Radiation Transport Simulations of a Realistic Nonproliferation Test Problem. <i>Nuclear Technology</i> , 2016, 193, 391-403.	0.7	0
15	Characterizing Macroscopic Thermal Resistance Across Contacting Interfaces Through Local Understanding of Thermal Transport. <i>MRS Advances</i> , 2018, 3, 2735-2741.	0.5	0