

Tara M Pandya

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

167
citations

1684188

5
h-index

1125743

13
g-index

25
all docs

25
docs citations

25
times ranked

169
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Implementation, capabilities, and benchmarking of Shift, a massively parallel Monte Carlo radiation transport code. Journal of Computational Physics, 2016, 308, 239-272. | 3.8 | 79 |
| 2 | Nuclide depletion capabilities in the Shift Monte Carlo code. Annals of Nuclear Energy, 2018, 114, 259-276. | 1.8 | 26 |
| 3 | Massively Parallel, Three-Dimensional Transport Solutions for the k -Eigenvalue Problem. Nuclear Science and Engineering, 2014, 177, 111-125. | 1.1 | 15 |
| 4 | Eigenvalue Solvers for Modeling Nuclear Reactors on Leadership Class Machines. Nuclear Science and Engineering, 2018, 190, 31-44. | 1.1 | 8 |
| 5 | Hot zero power reactor calculations using the Insilico code. Journal of Computational Physics, 2016, 314, 700-711. | 3.8 | 6 |
| 6 | Optimization of processor allocation for domain decomposed Monte Carlo calculations. Parallel Computing, 2019, 87, 77-86. | 2.1 | 6 |
| 7 | Proposed Design and Operation of a Heat Pipe Reactor using the Sandia National Laboratories Annular Core Test Facility and Existing UZrH Fuel Pins. AIP Conference Proceedings, 2005, , . | 0.4 | 5 |
| 8 | Two-step neutronics calculations with Shift and Griffin for advanced reactor systems. Annals of Nuclear Energy, 2022, 173, 109131. | 1.8 | 5 |
| 9 | Secondary-Source Core Reload Modeling with VERA. Nuclear Science and Engineering, 2021, 195, 320-337. | 1.1 | 4 |
| 10 | EFFECT OF FISSION SOURCE SPECTRUM ON MONTE CARLO CALCULATION OF EX-CORE QUANTITIES. EPJ Web of Conferences, 2021, 247, 02027. | 0.3 | 3 |
| 11 | HIGH-FIDELITY EX-CORE CAPABILITIES IN VERA. EPJ Web of Conferences, 2021, 247, 06024. | 0.3 | 2 |
| 12 | Scalable Parallel Prefix Solvers for Discrete Ordinates Transport in Multidimensions. Nuclear Science and Engineering, 2011, 169, 245-261. | 1.1 | 1 |
| 13 | Deterministically estimated fission source distributions for Monte Carlo k -eigenvalue problems. Annals of Nuclear Energy, 2018, 119, 7-22. | 1.8 | 1 |
| 14 | Validation of Light Water Reactor Ex-Core Calculations with VERA. Nuclear Technology, 2022, 208, 794-810. | 1.2 | 1 |