

MãjtÃ© Szieberth

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2008283/publications.pdf>

Version: 2024-02-01

25
papers

161
citations

1307594

7
h-index

1125743

13
g-index

25
all docs

25
docs citations

25
times ranked

156
citing authors

#	ARTICLE	IF	CITATIONS
1	Core neutronics characterization of the GFR2400 Gas Cooled Fast Reactor. Progress in Nuclear Energy, 2015, 83, 460-481.	2.9	31
2	Report on intermediate results of the IAEA CRP on "Studies of advanced reactor technology options for effective incineration of radioactive waste". Energy Conversion and Management, 2008, 49, 1810-1819.	9.2	24
3	Neutronic analyses and tools development efforts in the European DEMO programme. Fusion Engineering and Design, 2014, 89, 1880-1884.	1.9	24
4	Measurement of multiple λ -modes at the Delphi subcritical assembly by neutron noise techniques. Annals of Nuclear Energy, 2015, 75, 146-157.	1.8	18
5	Secondary charged particle activation method for measuring the tritium production rate in the breeding blankets of a fusion reactor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 690, 85-95.	1.6	9
6	Ultrahigh nitrogen-vacancy center concentration in diamond. Carbon, 2022, 188, 393-400.	10.3	9
7	Full-core SSCWR calculations applying a fast computational method. Progress in Nuclear Energy, 2010, 52, 767-776.	2.9	8
8	Simulation of a research reactor reactivity transient with deterministic and GPU-assisted Monte Carlo reactor kinetics codes. European Physical Journal Plus, 2020, 135, 1.	2.6	7
9	Physical model of the nuclear fuel cycle simulation code SITON. Annals of Nuclear Energy, 2017, 99, 471-483.	1.8	6
10	Markov chain models of nuclear transmutation: Part I " Theory. Annals of Nuclear Energy, 2018, 121, 429-445.	1.8	6
11	Steady-state neutronic measurements and comprehensive numerical analysis for the BME training reactor. Annals of Nuclear Energy, 2021, 155, 108144.	1.8	6
12	Unbiased estimators of coincidence and correlation in non-analogous Monte Carlo particle transport. Annals of Nuclear Energy, 2014, 73, 270-281.	1.8	4
13	FITXS: A fast and flexible burn-up scheme based on the fitting of one-group cross-sections. Annals of Nuclear Energy, 2017, 104, 267-281.	1.8	3
14	A proposed method for foil set qualification for multiple foil activation measurements in the TBMs. Fusion Engineering and Design, 2011, 86, 2330-2333.	1.9	2
15	Comparison of calculation methods for lead cooled fast reactor reactivity effects. Annals of Nuclear Energy, 2022, 171, 109042.	1.8	2
16	Coupling of Monte Carlo and Discrete Ordinates Transport for Ads Calculation. Transport Theory and Statistical Physics, 2007, 36, 199-210.	0.4	1
17	Investigation of fuel cycles containing Generation IV reactors and VVER-1200 reactors. Kerntechnik, 2018, 83, 319-324.	0.2	1
18	Investigation of the Energy Correlations of Spallation Neutrons by Monte Carlo Simulations. Science and Technology of Nuclear Installations, 2012, 2012, 1-9.	0.8	0

#	ARTICLE	IF	CITATIONS
19	Fuel cycle studies on the uranium utilization efficiency and minor actinide burning in gas cooled fast reactors. , 2013, , .		0
20	High accuracy tritium measurement for the verification of the tritium production rate calculations with MCNPX. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 714, 141-146.	1.6	0
21	New variance reduction techniques for MCNP6 for external radiation therapy calculations. Physica Medica, 2016, 32, 203.	0.7	0
22	Opticalâ€“Microwave Pumpâ€“Probe Studies of Electronic Properties in Novel Materials. Physica Status Solidi (B): Basic Research, 2020, 257, 2000298.	1.5	0
23	Measurements and simulations to investigate the feasibility of neutron multiplicity counting in the current mode of fission chambers. EPJ Web of Conferences, 2020, 225, 07011.	0.3	0
24	On the Effect of Angular and Spatial Discretization on Perturbation Calculations. Journal of Computational and Theoretical Transport, 2021, 50, 347-363.	0.8	0
25	A Novel Molten Salt Reactor Concept to Implement the Multi-Step Time-Scheduled Transmutation Strategy. , 2002, , .		0