

Akansha Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11447275/publications.pdf>

Version: 2024-02-01

9
papers

85
citations

1937685
4
h-index

1872680
6
g-index

9
all docs

9
docs citations

9
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to nuclear reactor design optimization using genetic algorithms and regression analysis. <i>Annals of Nuclear Energy</i> , 2015, 85, 27-35.	1.8	38
2	Properties of the implicitly time-differenced equations of thermal radiation transport. <i>Journal of Computational Physics</i> , 2013, 238, 82-96.	3.8	26
3	Neutronics and thermal hydraulics analysis of a low-enriched uranium cermet fuel core for a Mars surface power reactor. <i>Annals of Nuclear Energy</i> , 2016, 96, 307-312.	1.8	12
4	Analysis of a sustainable gas cooled fast breeder reactor concept. <i>Annals of Nuclear Energy</i> , 2014, 69, 252-259.	1.8	5
5	Mass Optimization of a Supercritical CO ₂ Brayton Cycle Power Conversion System for a Mars Surface Fission Power Reactor. <i>Journal of Nuclear Engineering and Radiation Science</i> , 2017, 3, .	0.4	3
6	Optimization of U ²³⁵ -Th fuel in heavy water moderated thermal breeder reactors using multivariate regression analysis and genetic algorithms. <i>Annals of Nuclear Energy</i> , 2015, 85, 885-892.	1.8	1
7	A new indirect measure of diffusion model error. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 163, 24-33.	2.3	0
8	Linear regression and sensitivity analysis in nuclear reactor design. <i>Annals of Nuclear Energy</i> , 2015, 85, 798-811.	1.8	0
9	Power Management and Distribution System for a Mars Surface Fission Power Reactor. <i>Journal of Nuclear Engineering and Radiation Science</i> , 2018, 4, .	0.4	0