

Jorge PManes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4882592/publications.pdf>

Version: 2024-02-01

10
papers

283
citations

1478505

6
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	A numerical investigation of the sCO ₂ recompression cycle off-design behaviour, coupled to a sodium cooled fast reactor, for seasonal variation in the heat sink temperature. Nuclear Engineering and Design, 2013, 260, 78-92.	1.7	89
2	Mapping of the thermodynamic performance of the supercritical CO ₂ cycle and optimisation for a small modular reactor and a sodium-cooled fast reactor. Energy, 2015, 87, 412-424.	8.8	59
3	An approach for establishing the performance maps of the sc-CO ₂ compressor: Development and qualification by means of CFD simulations. International Journal of Heat and Fluid Flow, 2016, 61, 379-394.	2.4	50
4	STATUS OF THE ASTRID CORE AT THE END OF THE PRE-CONCEPTUAL DESIGN PHASE 1. Nuclear Engineering and Technology, 2013, 45, 721-730.	2.3	45
5	A numerical study of cavitation and bubble dynamics in liquid CO ₂ near the critical point. International Journal of Heat and Mass Transfer, 2016, 102, 174-185.	4.8	14
6	Phenomenological investigation of sodium boiling in a SFR core during a postulated ULOF transient with CATHARE 2 system code: a stabilized boiling case. Journal of Nuclear Science and Technology, 2016, 53, 692-697.	1.3	12
7	A one-dimensional full-range two-phase model to efficiently compute bifurcation diagrams in sub-cooled boiling flows in vertical heated tube. Journal of Computational Physics, 2020, 404, 109131.	3.8	5
8	A standalone decay heat removal device for the Gas-cooled Fast Reactor for intermediate to atmospheric pressure conditions. Nuclear Engineering and Design, 2012, 242, 267-284.	1.7	4
9	CATHARE 2 simulations of steady state air/water tests performed in a 1:1 scale SFR sub-assembly mock-up. Annals of Nuclear Energy, 2015, 83, 283-297.	1.8	4
10	Some numerical achievements on Na boiling dynamics and next technical route. Nuclear Engineering and Design, 2020, 365, 110728.	1.7	1