Jorge PManes

List of Publications by Year
in descending order

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 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
2	Some numerical achievements on Na boiling dynamics and next technical route. Nuclear Engineering and Design, 2020, 365, 110728.	1.7	1
3	An approach for establishing the performance maps of the sc-CO2 compressor: Development and qualification by means of CFD simulations. International Journal of Heat and Fluid Flow, 2016, 61, 379-394.	2.4	50
4	A numerical study of cavitation and bubble dynamics in liquid CO2 near the critical point. International Journal of Heat and Mass Transfer, 2016, 102, 174-185.	4.8	14
5	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
6	Mapping of the thermodynamic performance of the supercritical CO2Âcycle and optimisation for a small modular reactor and a sodium-cooled fast reactor. Energy, 2015, 87, 412-424.	8.8	59
7	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
8	A numerical investigation of the sCO2 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
9	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
10	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