

# Paolo Balestra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3345474/publications.pdf>

Version: 2024-02-01

14  
papers

141  
citations

1684188

5  
h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

85  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of localized reactor point kinetics parameters using coupled neutronic and thermal fluid models for pebble-bed reactor transient analysis. <i>Annals of Nuclear Energy</i> , 2022, 174, 109143.	1.8	7
2	Pronghorn: A Multidimensional Coarse-Mesh Application for Advanced Reactor Thermal Hydraulics. <i>Nuclear Technology</i> , 2021, 207, 1015-1046.	1.2	30
3	Rattlesnake: A MOOSE-Based Multiphysics Multischeme Radiation Transport Application. <i>Nuclear Technology</i> , 2021, 207, 1047-1072.	1.2	30
4	Multiscale thermal-hydraulic modeling of the pebble bed fluoride-salt-cooled high-temperature reactor. <i>Annals of Nuclear Energy</i> , 2021, 154, 107968.	1.8	14
5	Improved natural convection heat transfer correlations for reactor cavity cooling systems of high-temperature gas-cooled reactors: From computational fluid dynamics to Pronghorn. <i>Annals of Nuclear Energy</i> , 2021, 163, 108547.	1.8	4
6	A workflow leveraging MOOSE transient multiphysics simulations to evaluate the impact of thermophysical property uncertainties on molten-salt reactors. <i>Annals of Nuclear Energy</i> , 2021, 163, 108546.	1.8	7
7	PBMR-400 BENCHMARK SOLUTION OF EXERCISE 1 AND 2 USING THE MOOSE BASED APPLICATIONS: MAMMOTH, PRONGHORN. <i>EPJ Web of Conferences</i> , 2021, 247, 06020.	0.3	5
8	Comparison of Pebble Bed Velocity Profiles Between High-Fidelity and Intermediate-Fidelity Codes. , 2021, , .		0
9	Preliminary design and analysis of Liquid Fuel Molten Salt Reactor using multi-physics code GeN-Foam. <i>Nuclear Engineering and Design</i> , 2020, 369, 110826.	1.7	9
10	Modular high temperature gas reactor core modeling with RELAP5-3D/PHISICS “ Optimization schemes for load following. <i>Nuclear Engineering and Design</i> , 2020, 362, 110526.	1.7	4
11	Coupled Multiphysics Simulation of Pool-Type Molten Salt Reactors Using Griffin/Pronghorn. , 2020, , .		2
12	New RELAP5-3D Lead and LBE Thermophysical Properties Implementation for Safety Analysis of Gen IV Reactors. <i>Science and Technology of Nuclear Installations</i> , 2016, 2016, 1-15.	0.8	20
13	Simulation of AER-DYN-002 and AER-DYN-003 Control Rod Ejection Benchmarks by RELAP5-3D/PHISICS Coupled Codes. <i>Nuclear Technology</i> , 2016, 193, 175-182.	1.2	4
14	Effects of cross sections library parameters on the OECD/NEA Oskarshamn-2 benchmark solution. <i>Annals of Nuclear Energy</i> , 2015, 85, 643-651.	1.8	0