Matteo D'Onorio

List of Publications by Year
in descending order

14	120	1684188 5	1281871 11
papers	citations	h-index	g-index

14	14	14	44
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DEMO â€“ The main achievements of the Pre â€“ Concept phase of the safety and environmental work package and the development of the GSSR. Fusion Engineering and Design, 2022, 176, 113025.	1.9	26
2	Dynamic Event Tree Analysis as a Tool for Risk Assessment in Nuclear Fusion Plants Using RAVEN and MELCOR. IEEE Transactions on Plasma Science, 2022, 50, 4514-4520.	1.3	4
3	Pressure suppression system influence on vacuum vessel thermal-hydraulics and on source term mobilization during a multiple first Wall â€“ Blanket pipe break. Fusion Engineering and Design, 2021, 164, 112224.	1.9	6
4	Hydrogen explosion mitigation in DEMO vacuum vessel pressure suppression system using passive recombiners. Fusion Engineering and Design, 2021, 171, 112713.	1.9	5
5	Preliminary uncertainty quantification of the core degradation models in predicting the Fukushima Daiichi unit 3 severe accident. Nuclear Engineering and Design, 2021, 382, 111383.	1.7	4
6	Loss of Liquid Lithium Coolant in an Accident in a DONES Test Cell Facility. Energies, 2021, 14, 6569.	3.1	3
7	On Predicting Ticket Reopening for Improving Customer Service in 5G Fiber Optic Networks. Future Internet, 2021, 13, 259.	3.8	3
8	Supporting analysis for WCLL test blanket system safety. Fusion Engineering and Design, 2021, 173, 112902.	1.9	5
9	Benchmark analysis of in-vacuum vessel LOCA scenarios for code-to-code comparison. Fusion Engineering and Design, 2021, 173, 112938.	1.9	2
10	Integrated design of breeding blanket and ancillary systems related to the use of helium or water as a coolant and impact on the overall plant design. Fusion Engineering and Design, 2021, 173, 112933.	1.9	23
11	Preliminary sensitivity analysis for an ex-vessel LOCA without plasma shutdown for the EU DEMO WCLL blanket concept. Fusion Engineering and Design, 2020, 158, 111745.	1.9	14
12	Preliminary safety analysis of an in-vessel LOCA for the EU-DEMO WCLL blanket concept. Fusion Engineering and Design, 2020, 155, 111560.	1.9	12
13	In-box LOCA accident analysis for the European DEMO water-cooled reactor. Fusion Engineering and Design, 2019, 146, 732-735.	1.9	12
14	The Monte Carlo GPT methodology for the analysis of ratios of functionals bilinear with the real and adjoint neutron fluxes. Annals of Nuclear Energy, 2017, 106, 154-159.	1.8	1