Alessandro Tassone

List of Publications by Year
in descending order

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18	453	759233 12	888059 17
papers	citations	h-index	g-index

18	18	18	264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	WCLL breeding blanket design and integration for DEMO 2015: status and perspectives. Fusion Engineering and Design, 2017, 124, 682-686.	1.9	91
2	Advancements in DEMO WCLL breeding blanket design and integration. International Journal of Energy Research, 2018, 42, 27-52.	4.5	77
3	The DEMO Water-Cooled Leadâ€“Lithium Breeding Blanket: Design Status at the End of the Pre-Conceptual Design Phase. Applied Sciences (Switzerland), 2021, 11, 11592.	2.5	54
4	Recent Progress in the WCLL Breeding Blanket Design for the DEMO Fusion Reactor. IEEE Transactions on Plasma Science, 2018, 46, 1446-1457.	1.3	49
5	MHD mixed convection flow in the WCLL: Heat transfer analysis and cooling system optimization. Fusion Engineering and Design, 2019, 146, 809-813.	1.9	30
6	Influence of PbLi hydraulic path and integration layout on MHD pressure losses. Fusion Engineering and Design, 2020, 155, 111517.	1.9	24
7	CFD simulation of the magnetohydrodynamic flow inside the WCLL breeding blanket module. Fusion Engineering and Design, 2017, 124, 705-709.	1.9	20
8	Numerical study of the MHD flow around a bounded heating cylinder: Heat transfer and pressure drops. International Communications in Heat and Mass Transfer, 2018, 91, 165-175.	5.6	17
9	MHD pressure drop estimate for the WCLL in-magnet PbLi loop. Fusion Engineering and Design, 2020, 160, 111830.	1.9	14
10	MHD forced convection flow in dielectric and electro-conductive rectangular annuli. Fusion Engineering and Design, 2020, 159, 111773.	1.9	13
11	MHD R&D Activities for Liquid Metal Blankets. Energies, 2021, 14, 6640.	3.1	13
12	DEMO WCLL breeding zone cooling system design: Analysis and discussion. Fusion Engineering and Design, 2019, 146, 2632-2638.	1.9	12
13	Development of a RELAP5/MOD3.3 Module for MHD Pressure Drop Analysis in Liquid Metals Loops: Verification and Validation. Energies, 2021, 14, 5538.	3.1	12
14	Electromagnetic coupling phenomena in co-axial rectangular channels. Fusion Engineering and Design, 2020, 160, 111854.	1.9	10
15	Computational MHD analyses in support of the design of the WCLL TBM breeding zone. Fusion Engineering and Design, 2021, 170, 112535.	1.9	9
16	Three-dimensional MHD flow and heat transfer in a channel with internal obstacle. International Journal of Heat and Technology, 2018, 36, 1367-1377.	0.6	4
17	Numerical Simulation of High-Density Ratio Bubble Motion with interIsoFoam. Fluids, 2022, 7, 152.	1.7	4
18	Three-dimensional MHD flow in moderate change ratio orifice. Journal of Physics: Conference Series, 2022, 2177, 012003.	0.4	0