

Wolfgang Hering

List of Publications by Year in descending order

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16
papers

220
citations

1307594

7
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

243
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the HCPB Research Activities in EUROfusion. IEEE Transactions on Plasma Science, 2018, 46, 2247-2261.	1.3	59
2	Liquid Metals as Efficient High-Temperature Heat-Transport Fluids. Energy Technology, 2017, 5, 1026-1036.	3.8	53
3	Tungsten (W) Laminate Pipes for Innovative High Temperature Energy Conversion Systems. Advanced Engineering Materials, 2015, 17, 491-501.	3.5	32
4	Conceptual designs of PHTS, ESS and PCS for DEMO BoP with helium cooled BB concept. Fusion Engineering and Design, 2018, 136, 367-371.	1.9	21
5	Industry supported improved design of DEMO BoP for HCPB BB concept with energy storage system. Fusion Engineering and Design, 2019, 146, 2334-2337.	1.9	18
6	Thermal fluctuations in low-Prandtl number fluid flows over a backward facing step. Nuclear Engineering and Design, 2020, 359, 110460.	1.7	10
7	Design and analysis of the secondary circuit of the DEMO fusion power plant for the HCPB BB option without the energy storage system and with the auxiliary boiler. Fusion Engineering and Design, 2020, 160, 112003.	1.9	7
8	Overview of Thermal Hydraulic Optimization and Verification for the EU-DEMO HCPB BOP ICD Variant. Energies, 2021, 14, 7894.	3.1	5
9	Forced and mixed convection experiments in a confined vertical backward facing step at low-Prandtl number. Experiments in Fluids, 2022, 63, 1.	2.4	5
10	Liquid metals, materials and safety measures to progress to CSP 2.0. AIP Conference Proceedings, 2019, , .	0.4	4
11	Heat pipe technology based divertor plasma facing component concept for European DEMO. Fusion Engineering and Design, 2021, 164, 112184.	1.9	3
12	Parameter Study and Dynamic Simulation of the DEMO Intermediate Heat Transfer and Storage System Design Using MATLAB®/Simulink. Fusion Engineering and Design, 2021, 166, 112291.	1.9	2
13	Wake Shape and Height Profile Measurements in a Concave Open Channel Flow regarding the Target in DONES. Energies, 2021, 14, 6506.	3.1	1
14	Investigation of Local Heat Transfer Enhancement in Generic Liquid Metal-Cooled Fuel Assemblies with Empirical Models. Nuclear Science and Engineering, 2019, 193, 160-170.	1.1	0
15	Materials and systems for liquid metal based CSP 2.0. AIP Conference Proceedings, 2020, , .	0.4	0
16	Computational fluid dynamic investigations on a small-scale liquid sodium loop. AIP Conference Proceedings, 2022, , .	0.4	0