

# Ingo H J Jahn

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

462  
citations

840119

11  
h-index

839053

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of water spray for pre-cooling of inlet air in natural draft dry cooling towers. Applied Thermal Engineering, 2013, 61, 416-424.	3.0	102
2	Supercritical CO <sub>2</sub> Radial Turbine Design Performance as a Function of Turbine Size Parameters. Journal of Turbomachinery, 2017, 139, .	0.9	53
3	Influence of ambient conditions and water flow on the performance of pre-cooled natural draft dry cooling towers. Applied Thermal Engineering, 2014, 66, 621-631.	3.0	50
4	Nozzle arrangement effect on cooling performance of saline water spray cooling. Applied Thermal Engineering, 2016, 105, 1061-1066.	3.0	48
5	The influence of real gas effects on the performance of supercritical CO <sub>2</sub> dry gas seals. Tribology International, 2016, 102, 333-347.	3.0	38
6	Numerical simulation of water spray in natural draft dry cooling towers with a new nozzle representation approach. Applied Thermal Engineering, 2016, 98, 924-935.	3.0	38
7	Comparison of direct and indirect natural draft dry cooling tower cooling of the sCO <sub>2</sub> Brayton cycle for concentrated solar power plants. Applied Thermal Engineering, 2018, 130, 1070-1080.	3.0	38
8	The effect of convection area on the deformation of dry gas seal operating with supercritical CO <sub>2</sub> . Tribology International, 2019, 137, 349-365.	3.0	22
9	Methodology to develop off-design models of heat exchangers with non-ideal fluids. Applied Thermal Engineering, 2018, 145, 716-734.	3.0	18
10	Characterization of Supersonic Turbulent Combustion in a Mach-10 Scramjet Combustor. AIAA Journal, 2020, 58, 2180-2196.	1.5	15
11	Hypersonic Oscillating Shock-Wave/Boundary-Layer Interaction on a Flat Plate. AIAA Journal, 2021, 59, 940-959.	1.5	15
12	Advanced Data Acquisition System for Wind Energy Applications. Periodica Polytechnica Transportation Engineering, 2019, 47, 124-130.	0.7	5
13	Heat Transfer in Saline Water Evaporative Cooling. Heat Transfer Engineering, 2019, 40, 429-436.	1.2	4
14	Taylor-Couette-Poiseuille flow heat transfer in a high Taylor number test rig. Journal of the Global Power and Propulsion Society, 2021, 5, 126-147.	0.8	4
15	Effects of Oxygen Enrichment on Supersonic Combustion in a Mach 10 Scramjet. AIAA Journal, 2021, 59, 4556-4568.	1.5	4
16	Using Meridional Streamline and Passage Shapes to Generate Radial Turbomachinery Geometry and Meshes. Applied Mechanics and Materials, 2016, 846, 1-6.	0.2	2
17	Development of a Fluid-Structure Model for Gas-Lubricated Bump-Type Foil Thrust Bearings. Applied Mechanics and Materials, 0, 846, 169-175.	0.2	2
18	Experimental and numerical heat transfer from vortex-injection interaction in scramjet flowfields. Aeronautical Journal, 2020, 124, 1545-1567.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Development and validation of a Riemann solver in OpenFOAM® for non-ideal compressible fluid dynamics. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 116-140.	1.5	2
20	Experimental and Analytical Investigation of Hypersonic Fluid-Structure-Interactions on a Pitching Flat Plate Airfoil. Applied Mechanics and Materials, 2016, 846, 157-162.	0.2	0
21	Design of an Annular-Radial Diffuser for Operation With a Supercritical CO2 Radial Inflow Turbine. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	0