

Alexis Cantizano

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

464
citations

759233

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752698

20
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21
all docs

21
docs citations

21
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Factors in the Model of Urban Fire Spread in Madrid (Spain) Focused on the Poor Population. Sustainability, 2022, 14, 4486.	3.2	2
2	Proposal and sizing of a molten Salt-to-sCO ₂ heat exchanger in supercritical solar thermal power plants. AIP Conference Proceedings, 2022, , .	0.4	0
3	A coupled hybrid numerical study of tunnel longitudinal ventilation under fire conditions. Case Studies in Thermal Engineering, 2022, 36, 102202.	5.7	6
4	Experimental and computational study of smoke dynamics from multiple fire sources inside a large-volume building. Building Simulation, 2021, 14, 1147-1161.	5.6	10
5	A Modelica dynamic model of a supercritical CO ₂ energy conversion system for EU-DEMO. Fusion Engineering and Design, 2021, 173, 112826.	1.9	3
6	A novel supercritical CO ₂ recompression Brayton power cycle for power tower concentrating solar plants. Applied Energy, 2020, 263, 114644.	10.1	82
7	Review and Validation of the Current Smoke Plume Entrainment Models for Large-Volume Buildings. Fire Technology, 2019, 55, 789-816.	3.0	12
8	Sizing of a recuperative supercritical CO ₂ Brayton cycle as power conversion system for DEMO fusion reactor based on Dual Coolant Lithium Lead blanket. Fusion Engineering and Design, 2018, 134, 79-91.	1.9	18
9	Factors Affecting the Make-Up Air and Their Influence on the Dynamics of Atrium Fires. Fire Technology, 2018, 54, 1067-1091.	3.0	10
10	Recuperated versus single-recuperator re-compressed supercritical CO ₂ Brayton power cycles for DEMO fusion reactor based on dual coolant lithium lead blanket. Energy, 2017, 140, 307-317.	8.8	24
11	The Use of Fractional Factorial Design for Atrium Fires Prediction. Fire Technology, 2017, 53, 893-916.	3.0	13
12	Supercritical CO ₂ Brayton power cycles for DEMO (demonstration power plant) fusion reactor based on dual coolant lithium lead blanket. Energy, 2016, 98, 271-283.	8.8	36
13	Fire Experiments and Simulations in a Full-scale Atrium Under Transient and Asymmetric Venting Conditions. Fire Technology, 2016, 52, 51-78.	3.0	25
14	Supercritical CO ₂ Brayton power cycles for DEMO fusion reactor based on Helium Cooled Lithium Lead blanket. Applied Thermal Engineering, 2015, 76, 123-133.	6.0	46
15	Modeling and sizing of the heat exchangers of a new supercritical CO ₂ Brayton power cycle for energy conversion for fusion reactors. Fusion Engineering and Design, 2014, 89, 1905-1908.	1.9	55
16	Enhanced arrangement for recuperators in supercritical CO ₂ Brayton power cycle for energy conversion in fusion reactors. Fusion Engineering and Design, 2014, 89, 1909-1912.	1.9	24
17	Efficient Multi-objective Optimization for Gas Turbine Discs. Advanced Structured Materials, 2014, , 227-255.	0.5	3
18	Influence of atrium roof geometries on the numerical predictions of fire tests under natural ventilation conditions. Energy and Buildings, 2013, 65, 382-390.	6.7	34

#	ARTICLE	IF	CITATIONS
19	A Novel Supercritical CO ₂ Power Cycle for Energy Conversion in Fusion Power Plants. Fusion Science and Technology, 2013, 64, 483-487.	1.1	12
20	Numerical modeling and design of supercritical CO ₂ pre-cooler for fusion nuclear reactors. Fusion Engineering and Design, 2012, 87, 1329-1332.	1.9	10
21	Numerical simulation of wear-mechanism maps. Computational Materials Science, 2002, 25, 54-60.	3.0	39