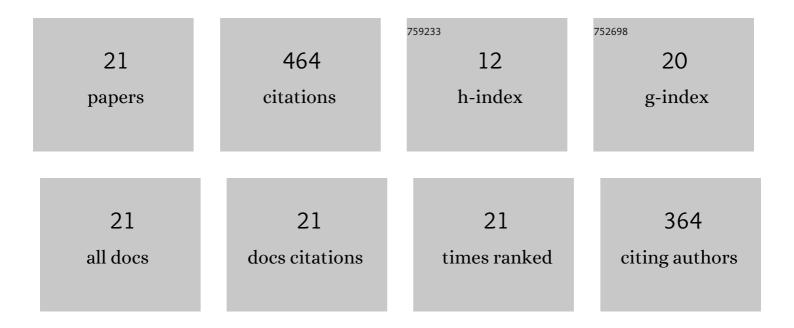
## Alexis Cantizano

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A novel supercritical CO2 recompression Brayton power cycle for power tower concentrating solar plants. Applied Energy, 2020, 263, 114644.   | 10.1 | 82        |
| 2  | Modeling and sizing of the heat exchangers of a new supercritical CO2 Brayton power cycle for energy conversion for fusion reactors. Fusion Engineering and Design, 2014, 89, 1905-1908.                 | 1.9  | 55        |
| 3  | Supercritical CO2 Brayton power cycles for DEMO fusion reactor based on Helium Cooled Lithium<br>Lead blanket. Applied Thermal Engineering, 2015, 76, 123-133.   | 6.0  | 46        |
| 4  | Numerical simulation of wear-mechanism maps. Computational Materials Science, 2002, 25, 54-60.   | 3.0  | 39        |
| 5  | Supercritical CO2 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        |
| 6  | 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        |
| 7  | Fire Experiments and Simulations in a Full-scale Atrium Under Transient and Asymmetric Venting Conditions. Fire Technology, 2016, 52, 51-78.   | 3.0  | 25        |
| 8  | Enhanced arrangement for recuperators in supercritical CO2 Brayton power cycle for energy conversion in fusion reactors. Fusion Engineering and Design, 2014, 89, 1909-1912.                             | 1.9  | 24        |
| 9  | Recuperated versus single-recuperator re-compressed supercritical CO2 Brayton power cycles for DEMO fusion reactor based on dual coolant lithium lead blanket. Energy, 2017, 140, 307-317.               | 8.8  | 24        |
| 10 | Sizing of a recuperative supercritical CO2 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        |
| 11 | The Use of Fractional Factorial Design for Atrium Fires Prediction. Fire Technology, 2017, 53, 893-916.  | 3.0  | 13        |
| 12 | A Novel Supercritical CO <sub>2</sub> Power Cycle for Energy Conversion in Fusion Power Plants.<br>Fusion Science and Technology, 2013, 64, 483-487.   | 1.1  | 12        |
| 13 | Review and Validation of the Current Smoke Plume Entrainment Models for Large-Volume Buildings.<br>Fire Technology, 2019, 55, 789-816.   | 3.0  | 12        |
| 14 | Numerical modeling and design of supercritical CO2 pre-cooler for fusion nuclear reactors. Fusion Engineering and Design, 2012, 87, 1329-1332.   | 1.9  | 10        |
| 15 | Factors Affecting the Make-Up Air and Their Influence on the Dynamics of Atrium Fires. Fire Technology, 2018, 54, 1067-1091.   | 3.0  | 10        |
| 16 | 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        |
| 17 | A coupled hybrid numerical study of tunnel longitudinal ventilation under fire conditions. Case<br>Studies in Thermal Engineering, 2022, 36, 102202.   | 5.7  | 6         |
| 18 | A Modelica dynamic model of a supercritical CO2 energy conversion system for EU-DEMO. Fusion Engineering and Design, 2021, 173, 112826.  | 1.9  | 3         |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Efficient Multi-objective Optimization for Gas Turbine Discs. Advanced Structured Materials, 2014, , 227-255.                                  | 0.5 | 3         |
| 20 | Human Factors in the Model of Urban Fire Spread in Madrid (Spain) Focused on the Poor Population.<br>Sustainability, 2022, 14, 4486.           | 3.2 | 2         |
| 21 | Proposal and sizing of a molten Salt-to-sCO2 heat exchanger in supercritical solar thermal power plants. AIP Conference Proceedings, 2022, , . | 0.4 | Ο         |