

Jorge Saavedra

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

140
citations

1478505

6
h-index

1281871

11
g-index

24
all docs

24
docs citations

24
times ranked

56
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Design of the Purdue Experimental Turbine Aerothermal Laboratory for Optical and Surface Aerothermal Measurements. Journal of Engineering for Gas Turbines and Power, 2019, 141, . | 1.1 | 26 |
| 2 | Aerodynamic response of internal passages to pulsating inlet supersonic conditions. Computers and Fluids, 2017, 149, 31-40. | 2.5 | 25 |
| 3 | Experimental Characterization of the Vane Heat Flux Under Pulsating Trailing-Edge Blowing. Journal of Turbomachinery, 2017, 139, . | 1.7 | 15 |
| 4 | On the transient response of the turbulent boundary layer inception in compressible flows. Journal of Fluid Mechanics, 2018, 850, 1117-1141. | 3.4 | 9 |
| 5 | Response of a turbulent boundary layer to rapid freestream acceleration. Physics of Fluids, 2020, 32, . | 4.0 | 9 |
| 6 | Evaluation of the unsteadiness across nozzles downstream of rotating detonation combustors. , 2017, , . | | 7 |
| 7 | Transient Performance of Separated Flows: Characterization and Active Flow Control. Journal of Engineering for Gas Turbines and Power, 2019, 141, . | 1.1 | 7 |
| 8 | Stability-analysis-based optimization to control flow separation over a diffusing passage. Physics of Fluids, 2021, 33, . | 4.0 | 6 |
| 9 | Experimental Characterization of the Vane Heat Flux Under Pulsating Trailing-Edge Blowing. , 2016, , . | | 4 |
| 10 | Design of the Purdue Experimental Turbine Aerothermal Laboratory for Optical and Surface Aero-Thermal Measurements. , 2016, , . | | 4 |
| 11 | Transient Performance of Separated Flows: Experimental Characterization of Flow Detachment Dynamics. , 2019, , . | | 4 |
| 12 | Thermal Boundary Layer Response to Periodic Fluctuations for Turbulent Flow. Journal of Engineering for Gas Turbines and Power, 2019, 141, . | 1.1 | 3 |
| 13 | Purdue Small Turbine Aerothermal Rotating Rig (STARR). , 2019, , . | | 3 |
| 14 | Scalable Heat Transfer Characterization on Film Cooled Geometries Based on Discrete Greenâ€™s Functions. Journal of Turbomachinery, 2021, 143, . | 1.7 | 3 |
| 15 | Flow conditioning system for tri-sonic high pressure aerothermal testing. Flow Measurement and Instrumentation, 2021, 79, 101910. | 2.0 | 3 |
| 16 | Experimental analysis of Reynolds effect on flow detachment and sudden flow release on a wall-mounted hump. Experimental Thermal and Fluid Science, 2021, 126, 110398. | 2.7 | 3 |
| 17 | Start-Up Analysis of a Hypersonic Short-Duration Facility. AIAA Journal, 2022, 60, 2060-2074. | 2.6 | 3 |
| 18 | Implications of boundary layer establishment on convective heat transfer experiments. , 2015, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Characterization of an integrated nozzle and supersonic axial turbine with a rotating detonation combustor. , 2019, , . | | 2 |
| 20 | Transient Performance of Separated Flows: Characterization and Active Flow Control. , 2018, , . | | 1 |
| 21 | Multifidelity Analysis of Acoustic Streaming in Forced Convection Heat Transfer. Journal of Heat Transfer, 2020, 142, . | 2.1 | 1 |
| 22 | Thermal Boundary Layer Response to Periodic Fluctuations. , 2018, , . | | 0 |
| 23 | Numerical analysis on the effect of CTAP measurements in pulse and rotating detonation combustors. , 2019, , . | | 0 |
| 24 | Multi-Fidelity Analysis of Acoustic Streaming in Forced Convection Heat Transfer. , 2019, , . | | 0 |