

# 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	Start-Up Analysis of a Hypersonic Short-Duration Facility. AIAA Journal, 2022, 60, 2060-2074.	2.6	3
2	Stability-analysis-based optimization to control flow separation over a diffusing passage. Physics of Fluids, 2021, 33, .	4.0	6
3	Scalable Heat Transfer Characterization on Film Cooled Geometries Based on Discrete Greenâ€™s Functions. Journal of Turbomachinery, 2021, 143, .	1.7	3
4	Flow conditioning system for tri-sonic high pressure aerothermal testing. Flow Measurement and Instrumentation, 2021, 79, 101910.	2.0	3
5	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
6	Response of a turbulent boundary layer to rapid freestream acceleration. Physics of Fluids, 2020, 32, .	4.0	9
7	Multifidelity Analysis of Acoustic Streaming in Forced Convection Heat Transfer. Journal of Heat Transfer, 2020, 142, .	2.1	1
8	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
9	Transient Performance of Separated Flows: Characterization and Active Flow Control. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	7
10	Thermal Boundary Layer Response to Periodic Fluctuations for Turbulent Flow. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	3
11	Purdue Small Turbine Aerothermal Rotating Rig (STARR). , 2019, , .		3
12	Numerical analysis on the effect of CTAP measurements in pulse and rotating detonation combustors. , 2019, , .		0
13	Characterization of an integrated nozzle and supersonic axial turbine with a rotating detonation combustor. , 2019, , .		2
14	Transient Performance of Separated Flows: Experimental Characterization of Flow Detachment Dynamics. , 2019, , .		4
15	Multi-Fidelity Analysis of Acoustic Streaming in Forced Convection Heat Transfer. , 2019, , .		0
16	Thermal Boundary Layer Response to Periodic Fluctuations. , 2018, , .		0
17	Transient Performance of Separated Flows: Characterization and Active Flow Control. , 2018, , .		1
18	On the transient response of the turbulent boundary layer inception in compressible flows. Journal of Fluid Mechanics, 2018, 850, 1117-1141.	3.4	9

#	ARTICLE	IF	CITATIONS
19	Evaluation of the unsteadiness across nozzles downstream of rotating detonation combustors. , 2017, , .		7
20	Aerodynamic response of internal passages to pulsating inlet supersonic conditions. Computers and Fluids, 2017, 149, 31-40.	2.5	25
21	Experimental Characterization of the Vane Heat Flux Under Pulsating Trailing-Edge Blowing. Journal of Turbomachinery, 2017, 139, .	1.7	15
22	Experimental Characterization of the Vane Heat Flux Under Pulsating Trailing-Edge Blowing. , 2016, , .		4
23	Design of the Purdue Experimental Turbine Aerothermal Laboratory for Optical and Surface Aero-Thermal Measurements. , 2016, , .		4
24	Implications of boundary layer establishment on convective heat transfer experiments. , 2015, , .		2