

Arvind Gangoli Rao

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

644
citations

759233

12
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

455
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Numerical Analyses of a Novel Wing-In-Ground Vehicle. <i>Energies</i> , 2022, 15, 1497.	3.1	3
2	Spiral instability modes on rotating cones in high-Reynolds number axial flow. <i>Physics of Fluids</i> , 2022, 34, 034109.	4.0	6
3	Aeropropulsive Performance Analysis of Axisymmetric Fuselage Bodies for Boundary-Layer Ingestion Applications. <i>AIAA Journal</i> , 2022, 60, 1592-1611.	2.6	5
4	Evaluating the climate impact of aviation emission scenarios towards the Paris agreement including COVID-19 effects. <i>Nature Communications</i> , 2021, 12, 3841.	12.8	116
5	Boundary layer instability over a rotating slender cone under non-axial inflow. <i>Journal of Fluid Mechanics</i> , 2021, 910, .	3.4	5
6	Evolution of Emission Species in an Aero-Engine Turbine Stator. <i>Aerospace</i> , 2021, 8, 11.	2.2	5
7	Power Balance Analysis Experiments on an Axisymmetric Fuselage with an Integrated Boundary-Layer-Ingesting Fan. <i>AIAA Journal</i> , 2021, 59, 5211-5224.	2.6	7
8	Energy Transition in Aviation: The Role of Cryogenic Fuels. <i>Aerospace</i> , 2020, 7, 181.	2.2	31
9	A review of gas turbine engine with inter-stage turbine burner. <i>Progress in Aerospace Sciences</i> , 2020, 121, 100695.	12.1	12
10	Performance analysis of an electrically assisted propulsion system for a short-range civil aircraft. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 1490-1502.	1.3	17
11	An experimental method to investigate coherent spiral vortices in the boundary layer over rotating bodies of revolution. <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	5
12	Effects of chemical reaction mechanism and NO _x formation pathways on an inter-turbine burner. <i>Aeronautical Journal</i> , 2019, 123, 1898-1918.	1.6	10
13	Modeling Pollutant Emissions of Flameless Combustion With a Joint CFD and Chemical Reactor Network Approach. <i>Frontiers in Mechanical Engineering</i> , 2019, 5, .	1.8	8
14	Natural gas displacement by wind curtailment utilization in combined-cycle power plants. <i>Energy</i> , 2019, 168, 477-491.	8.8	12
15	Performance assessment of a multi-fuel hybrid engine for future aircraft. <i>Aerospace Science and Technology</i> , 2018, 77, 217-227.	4.8	36
16	Emission Modeling of an Interturbine Burner Based on Flameless Combustion. <i>Energy & Fuels</i> , 2018, 32, 822-838.	5.1	30
17	Flameless combustion and its potential towards gas turbines. <i>Progress in Energy and Combustion Science</i> , 2018, 69, 28-62.	31.2	149
18	Effect of film cooling on the aerodynamic performance of an airfoil. <i>International Journal of Heat and Fluid Flow</i> , 2017, 66, 108-120.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Performance analysis of an aero engine with inter-stage turbine burner. Aeronautical Journal, 2017, 121, 1605-1626.	1.6	33
20	Numerical investigations of heat transfer and pressure drop characteristics in multiple jet impingement system. Applied Thermal Engineering, 2017, 110, 1511-1524.	6.0	68
21	Assessing the climate impact of the AHEAD multi-fuel blended wing body. Meteorologische Zeitschrift, 2017, 26, 711-725.	1.0	24
22	Spray Combustion Modeling in Lean Direct Injection Combustors, Part II: Multi-Point LDI. Combustion Science and Technology, 2015, 187, 558-576.	2.3	8
23	Spray Combustion Modeling in Lean Direct Injection Combustors, Part I: Single-Element LDI. Combustion Science and Technology, 2015, 187, 537-557.	2.3	14
24	A hybrid engine concept for multi-fuel blended wing body. Aircraft Engineering and Aerospace Technology, 2014, 86, 483-493.	0.8	34
25	Aerodynamic Performance of an Aircraft with Aft-Fuselage Boundary-Layer-Ingestion Propulsion. Journal of Aircraft, 0, , 1-17.	2.4	1