Arun Kumar Perumal

List of Publications by Year
in descending order

18	195	1307594 7	1058476 14
papers	citations	h-index	g-index

18	18	18	60
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An investigation into the scaling law of converging length for compressible round twin-jet. Physics of Fluids, 2022, 34, .	4.0	1
2	Parametric study and scaling of Mach 1.5 jet manipulation using steady fluidic injection. Physics of Fluids, 2022, 34, .	4.0	1
3	Design of Fluidic Injector for Supersonic Jet Manipulation. AIAA Journal, 2022, 60, 4639-4648.	2.6	3
4	A hybrid artificial intelligence control of a turbulent jet: Reynolds number effect and scaling. Journal of Fluid Mechanics, 2022, 942, .	3.4	3
5	Effect of tab parameters on the near-field mixing characteristics of a Mach 1.5 elliptic jet. Physics of Fluids, 2021, 33, .	4.0	8
6	Scaling law for supersonic core length in circular and elliptic free jets. Physics of Fluids, 2021, 33, .	4.0	9
7	Axisymmetric jet manipulation using multiple unsteady minijets. Physics of Fluids, 2021, 33, .	4.0	8
8	Scaling law for shock-cell length and its correlation with shock-associated noise of circular and elliptic supersonic free jets. Physics of Fluids, 2021, 33, 096103.	4.0	3
9	Passive control of coaxial jet with supersonic primary jet and sonic secondary jet. Physics of Fluids, 2020, 32, .	4.0	14
10	Impact of tab location relative to the nozzle exit on the shock structure of a supersonic jet. Physics of Fluids, 2019, 31, 076104.	4.0	21
11	Empirical analysis of supersonic jet control using steady minijet injection. , 2019, , .		0
12	Empirical scaling analysis of supersonic jet control using steady fluidic injection. Physics of Fluids, 2019, 31, 056107.	4.0	14
13	Fluidic injectors for supersonic jet control. Physics of Fluids, 2018, 30, 126101.	4.0	23
14	Parametric study and scaling of jet manipulation using an unsteady minijet. Journal of Fluid Mechanics, 2018, 848, 592-630.	3.4	20
15	Experimental Study of Subsonic and Sonic Jets Controlled by Air Tabs. Journal of Propulsion and Power, 2015, 31, 1473-1481.	2.2	19
16	Corrugated right-angled triangular tabs for supersonic jet control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 2066-2084.	1.3	6
17	Truncated Triangular Tabs for Supersonic-Jet Control. Journal of Propulsion and Power, 2013, 29, 50-65.	2.2	34
18	Study of jets from rectangular nozzles with square grooves. Aeronautical Journal, 2011, 115, 187-196.	1.6	8