

Arun Kumar Perumal

List of Publications by Year in descending order

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18
papers

195
citations

1307594

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1058476

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all docs

18
docs citations

18
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Truncated Triangular Tabs for Supersonic-Jet Control. Journal of Propulsion and Power, 2013, 29, 50-65.	2.2	34
2	Fluidic injectors for supersonic jet control. Physics of Fluids, 2018, 30, 126101.	4.0	23
3	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
4	Parametric study and scaling of jet manipulation using an unsteady minijet. Journal of Fluid Mechanics, 2018, 848, 592-630.	3.4	20
5	Experimental Study of Subsonic and Sonic Jets Controlled by Air Tabs. Journal of Propulsion and Power, 2015, 31, 1473-1481.	2.2	19
6	Empirical scaling analysis of supersonic jet control using steady fluidic injection. Physics of Fluids, 2019, 31, 056107.	4.0	14
7	Passive control of coaxial jet with supersonic primary jet and sonic secondary jet. Physics of Fluids, 2020, 32, .	4.0	14
8	Scaling law for supersonic core length in circular and elliptic free jets. Physics of Fluids, 2021, 33, .	4.0	9
9	Study of jets from rectangular nozzles with square grooves. Aeronautical Journal, 2011, 115, 187-196.	1.6	8
10	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
11	Axisymmetric jet manipulation using multiple unsteady minijets. Physics of Fluids, 2021, 33, .	4.0	8
12	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
13	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
14	Design of Fluidic Injector for Supersonic Jet Manipulation. AIAA Journal, 2022, 60, 4639-4648.	2.6	3
15	A hybrid artificial intelligence control of a turbulent jet: Reynolds number effect and scaling. Journal of Fluid Mechanics, 2022, 942, .	3.4	3
16	An investigation into the scaling law of converging length for compressible round twin-jet. Physics of Fluids, 2022, 34, .	4.0	1
17	Parametric study and scaling of Mach 1.5 jet manipulation using steady fluidic injection. Physics of Fluids, 2022, 34, .	4.0	1
18	Empirical analysis of supersonic jet control using steady minijet injection. , 2019, , .		0