

Gautam Choubey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9224206/publications.pdf>

Version: 2024-02-01

38
papers

1,918
citations

218677

26
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

325
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation of perforated pin fin heat sink using particle swarm optimization and MCDM techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 5133-5150.	3.6	7
2	Numerical investigation on geometric sensitivity and flame stabilisation mechanism in H2 fueled two-strut based scramjet combustor. <i>Fuel</i> , 2022, 312, 122847.	6.4	39
3	Experimental analysis of <i>Sterculia foetida</i> biodiesel and butanol blends as a renewable and eco-friendly fuel. <i>Industrial Crops and Products</i> , 2022, 178, 114612.	5.2	33
4	Design exploration on the drag reduction and thermal protection over a blunted waverider with multiple opposing jets. <i>Aerospace Science and Technology</i> , 2022, 124, 107519.	4.8	9
5	Numerical study on a novel device for hydrogen mixing enhancement in a scramjet engine: Coaxial injector. <i>Aerospace Science and Technology</i> , 2022, 127, 107680.	4.8	15
6	Advances in scramjet fuel injection technology. , 2022, , 65-158.		0
7	Pedagogy for the computational approach in simulating supersonic flows. , 2022, , 163-181.		0
8	Parametric study on mixing augmentation mechanism induced by cantilevered ramp injectors in a shock-induced combustion ramjet engine. <i>Aerospace Science and Technology</i> , 2021, 108, 106413.	4.8	36
9	Design exploration on the mixing augmentation induced by the oblique shock wave and a novel step in a supersonic flow. <i>Acta Astronautica</i> , 2021, 180, 622-629.	3.2	15
10	Renewable Pathway and Twin Fueling Approach on Ignition Analysis of a Dual-Fuelled Compression Ignition Engine. <i>Energy & Fuels</i> , 2021, 35, 9930-9936.	5.1	65
11	Numerical investigation on mixing improvement mechanism of transverse injection based scramjet combustor. <i>Acta Astronautica</i> , 2021, 188, 426-437.	3.2	68
12	Study on the effect on combining long-chain additive with neat bio-diesel fueled engine to examine its ignition characteristics. <i>Fuel</i> , 2020, 279, 118400.	6.4	30
13	Computational study of the multi hydrogen jets in presence of the upstream step in a Ma=4 supersonic flow. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31118-31129.	7.1	18
14	Recent research progress on transverse injection technique for scramjet applications-a brief review. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 27806-27827.	7.1	91
15	Hydrogen fuel in scramjet engines - A brief review. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16799-16815.	7.1	134
16	Influence of backward-facing step on the mixing efficiency of multi microjets at supersonic flow. <i>Acta Astronautica</i> , 2020, 175, 37-44.	3.2	44
17	Improvement of heat transfer through fins: A brief review of recent developments. <i>Heat Transfer</i> , 2020, 49, 1658-1685.	3.0	37
18	Influence of the secondary flow control on the transverse gaseous injection flow field properties in a supersonic flow. <i>Acta Astronautica</i> , 2019, 165, 150-157.	3.2	49

#	ARTICLE	IF	CITATIONS
19	Recent advances in cavity-based scramjet engine- a brief review. International Journal of Hydrogen Energy, 2019, 44, 13895-13909.	7.1	164
20	Effect of variation of inlet boundary conditions on the combustion flow-field of a typical double cavity scramjet combustor. International Journal of Hydrogen Energy, 2018, 43, 8139-8151.	7.1	73
21	Effect of different wall injection schemes on the flow-field of hydrogen fuelled strut-based scramjet combustor. Acta Astronautica, 2018, 145, 93-104.	3.2	122
22	Composite materials used in Scramjet- A Review. Materials Today: Proceedings, 2018, 5, 1321-1326.	1.8	35
23	Numerical Studies on the Performance of Scramjet Combustor with Alternating Wedge-Shaped Strut Injector. International Journal of Turbo and Jet Engines, 2017, 34, .	0.7	30
24	Effect of different strut + wall injection techniques on the performance of two-strut scramjet combustor. International Journal of Hydrogen Energy, 2017, 42, 13259-13275.	7.1	105
25	Computational Investigation of Multi-Strut Injection of Hydrogen in a Scramjet Combustor. Materials Today: Proceedings, 2017, 4, 2608-2614.	1.8	30
26	Effect of parametric variation of strut layout and position on the performance of a typical two-strut based scramjet combustor. International Journal of Hydrogen Energy, 2017, 42, 10485-10500.	7.1	104
27	Computational investigation of heat transfer analysis through perforated pin fins of different materials. AIP Conference Proceedings, 2017, , .	0.4	4
28	Effect of variation of hydrogen injection pressure and inlet air temperature on the flow-field of a typical double cavity scramjet combustor. International Journal of Hydrogen Energy, 2017, 42, 20824-20834.	7.1	60
29	A brief review on the recent advances in scramjet engine. AIP Conference Proceedings, 2017, , .	0.4	40
30	Analytical study of temperature distribution in a rectangular porous fin considering both insulated and convective tip. AIP Conference Proceedings, 2017, , .	0.4	8
31	Effect of variation of angle of attack on the performance of two-strut scramjet combustor. International Journal of Hydrogen Energy, 2016, 41, 11455-11470.	7.1	131
32	Investigation on the effects of operating variables on the performance of two-strut scramjet combustor. International Journal of Hydrogen Energy, 2016, 41, 20753-20770.	7.1	90
33	Effect of variation of length-to-depth ratio and Mach number on the performance of a typical double cavity scramjet combustor. Acta Astronautica, 2016, 128, 540-550.	3.2	89
34	Computational simulation of multi-strut central lobed injection of hydrogen in a scramjet combustor. Perspectives in Science, 2016, 8, 222-224.	0.6	44
35	Numerical Investigation on Hydrogen-Fueled Scramjet Combustor with Parallel Strut Fuel Injector at a Flight Mach Number of 6. Journal of Applied Fluid Mechanics, 2016, 9, 1215-1220.	0.2	47
36	Computational Analysis of Hypersonic Combustor Using Strut Injector at Flight Mach 7. Combustion Science and Technology, 2015, 187, 1392-1407.	2.3	50

#	ARTICLE	IF	CITATIONS
37	Production Process Optimization study on the synthesis of Manilkara zapota seed bio-oil and its characterization. Biomass Conversion and Biorefinery, 0, , 1.	4.6	2
38	Prospects of micro-hydropower plants in Northeast India: a brief review. International Journal of Energy and Water Resources, 0, , 1.	2.2	0