

# Kannan B T

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

152  
citations

1651377

6  
h-index

1526636

10  
g-index

67  
all docs

67  
docs citations

67  
times ranked

64  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of diaphragm material combinations in a small-scale shock tube. Aircraft Engineering and Aerospace Technology, 2021, 93, 42-50.	0.7	1
2	Numerical Simulation of a Small-Scale Shock Tube Using OpenFOAM®. Lecture Notes in Mechanical Engineering, 2021, , 297-308.	0.3	0
3	Design and Development of Wind Tunnel to Study Smoldering Combustion. Lecture Notes in Mechanical Engineering, 2021, , 1041-1054.	0.3	0
4	Design and development of a low-cost fluidized bed seeding generator. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022005.	0.3	1
5	Numerical simulation of flow over a racing motorbike using OpenFOAM®. AIP Conference Proceedings, 2020, , .	0.3	1
6	Preliminary investigation of flapping paper inside a file. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022015.	0.3	0
7	Smoldering Combustion of Hexagonal Incense Material with Forced Airflow. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042002.	0.3	0
8	Design and Development of a Modular Atmospheric Boundary Layer Wind Tunne. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042059.	0.3	0
9	Design and Simulation of an Articulated Onboard CubeSat Propulsion System. , 2020, , .		1
10	Drag measurement of an Indian auto-rickshaw model. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022008.	0.3	1
11	Smoke based visualization of turbulent swirl jet flow. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022011.	0.3	4
12	Design and development of impinging jet facility for flow visualization studies. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042003.	0.3	2
13	Elementary characterization of smoke tunnel using flow over a circular cylinder. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042018.	0.3	1
14	Numerical simulation of an Indian auto-rickshaw model. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022003.	0.3	2
15	Flow visualization over an Indian auto-rickshaw model. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022004.	0.3	3
16	Preliminary aero-acoustic measurements of free rotating rotor with predefined imbalance. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022014.	0.3	0
17	Effect of nozzle turbulent intensity in multiple round jets using openFOAM®. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022023.	0.3	0
18	Preliminary aeroacoustic measurements of conditioned jet flow from a circular nozzle. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022024.	0.3	1

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19	How to Burn? Straight vs Horizontal vs Suspended. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042001.	0.3	0
20	Preliminary Studies of Compressible Jet Flow from a Pipe with Hexagonal Cross-section. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042057.	0.3	0
21	Preliminary Studies on Compressible Jet Flow from a Pipe with Square Cross-section. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042058.	0.3	0
22	Assessment of Turbulence Models on a Backward Facing Step Flow Using OpenFOAM®. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042060.	0.3	4
23	Numerical flow visualization of supersonic flow using OpenFOAM®. AIP Conference Proceedings, 2020, , .	0.3	2
24	Simulation of backward facing step flow using OpenFOAM®. AIP Conference Proceedings, 2020, , .	0.3	2
25	Studies on blasting effects of shock waves from a small " Scale shock tube. AIP Conference Proceedings, 2020, , .	0.3	5
26	Aeroacoustic measurements of different types of propellers. AIP Conference Proceedings, 2020, , .	0.3	0
27	Design and development of a low-cost visualization setup for compressible flows. AIP Conference Proceedings, 2020, , .	0.3	0
28	Numerical aerodynamic study of a typical high-rise building. AIP Conference Proceedings, 2020, , .	0.3	0
29	Effect of door opening on flow and drag characteristics of a model SUV. AIP Conference Proceedings, 2020, , .	0.3	0
30	Numerical study of effects on vortex shedding patterns due to unsteady freestream around cylinder. AIP Conference Proceedings, 2020, , .	0.3	1
31	Visualization of shock structures in converging nozzles with novel chevron configurations. AIP Conference Proceedings, 2020, , .	0.3	0
32	Preliminary studies on jet flow from non-uniform straight vane swirler: Effect of vane orientation. AIP Conference Proceedings, 2020, , .	0.3	0
33	Visualization of a vortex ring from an evolving plume. AIP Conference Proceedings, 2020, , .	0.3	0
34	Study of flow over a cruciform cylinder at various low Reynolds numbers using OpenFOAM®. AIP Conference Proceedings, 2020, , .	0.3	2
35	Study of various mesh strategies for flow over a square cylinder using OpenFOAM®. AIP Conference Proceedings, 2020, , .	0.3	1
36	Preliminary studies on jet flows from flat vane swirler: Effect of twist angle. AIP Conference Proceedings, 2020, , .	0.3	0

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37	Visualization of flow structures from a vertically long human nail. AIP Conference Proceedings, 2020, , .	0.3	0
38	Aesthetic aerodynamics of beach corn grilling. AIP Conference Proceedings, 2020, , .	0.3	0
39	Some studies on aerodynamics of tuk-tuk vehicle. AIP Conference Proceedings, 2020, , .	0.3	0
40	Elemental effects of aspect ratio of buildings due to wind driven rain using open FOAMÂ®. AIP Conference Proceedings, 2020, , .	0.3	0
41	Preliminary studies on jet flow from curved vane swirl: Effect of radius of curvature. AIP Conference Proceedings, 2020, , .	0.3	1
42	Visualization of flow control using ion wind on impinging jet. AIP Conference Proceedings, 2020, , .	0.3	0
43	Feasibility study of ion generator for flow control. AIP Conference Proceedings, 2020, , .	0.3	0
44	Modification of an auto-rickshaw for drag reduction using numerical simulation. AIP Conference Proceedings, 2020, , .	0.3	0
45	Numerical simulation of flow over buildings using OpenFOAMÂ®. AIP Conference Proceedings, 2019, , .	0.3	4
46	Numerical simulation of flat plate boundary layer transition using OpenFOAMÂ®. AIP Conference Proceedings, 2019, , .	0.3	0
47	Experimental Investigation on Laser Visualization of Flow Vortices. , 2019, , .		3
48	Smoldering of incense stick under the influence of wetness and orientation. AIP Conference Proceedings, 2019, , .	0.3	3
49	Numerical Analysis on Effect of Jet Injection on Vortex Shedding for Flow Over a Circular Cylinder. Arabian Journal for Science and Engineering, 2019, 44, 1475-1488.	1.7	11
50	Effect of momentum flux distribution on multiple round jets. Aircraft Engineering and Aerospace Technology, 2018, 90, 452-460.	0.7	7
51	Influence of nozzle configuration on the flow field of multiple jets. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 1639-1654.	0.7	12
52	Some Measurements in Multiple Jets. Green Energy and Technology, 2018, , 111-124.	0.4	0
53	Large Eddy Simulation of isothermal cruciform jet flow: Preliminary results. Perspectives in Science, 2016, 8, 10-12.	0.6	7
54	A novel method for calculating half velocity widths for turbulent jets. Perspectives in Science, 2016, 8, 166-168.	0.6	5

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55	Numerical simulation of spark Ignition engine using OpenFOAM®. Perspectives in Science, 2016, 8, 13-15.	0.6	4
56	Steady State Jet Impingement Heat Transfer from Axisymmetric Plates with and without Grooves. Procedia Engineering, 2015, 127, 25-32.	1.2	25
57	Computation of an Axisymmetric Jet using OpenFOAM. Procedia Engineering, 2015, 127, 1292-1299.	1.2	16
58	Calibration and data reduction for X-hotwires using cross validation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110403.	0.7	0
59	Aerodynamic Drag Reduction of an Intercity Bus through Surface Modifications - A Numerical Simulation. , 0, , .		1
60	Experimental Analysis of Acoustic Performance of Porous Ducts using a Small- scale Shock tube. IOP Conference Series: Materials Science and Engineering, 0, 988, 012024.	0.3	0
61	Schlieren without Knife-edge. IOP Conference Series: Materials Science and Engineering, 0, 988, 012037.	0.3	1
62	Laser based visualization of plumes evolving from circular orifice: Effect of orifice orientation. IOP Conference Series: Materials Science and Engineering, 0, 988, 012026.	0.3	0
63	Attenuation of Aeroacoustic Noise of a Typical Van Using Passive Devices through CFD Simulation. , 0, , .		1