

Kannan B T

List of Publications by Year in descending order

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63
papers

152
citations

1478505

6
h-index

1372567

10
g-index

67
all docs

67
docs citations

67
times ranked

55
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. | 1.2 | 1 |
| 2 | Numerical Simulation of a Small-Scale Shock Tube Using OpenFOAM®. Lecture Notes in Mechanical Engineering, 2021, , 297-308. | 0.4 | 0 |
| 3 | Design and Development of Wind Tunnel to Study Smoldering Combustion. Lecture Notes in Mechanical Engineering, 2021, , 1041-1054. | 0.4 | 0 |
| 4 | Design and development of a low-cost fluidized bed seeding generator. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022005. | 0.6 | 1 |
| 5 | Numerical simulation of flow over a racing motorbike using OpenFOAM®. AIP Conference Proceedings, 2020, , . | 0.4 | 1 |
| 6 | Preliminary investigation of flapping paper inside a file. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022015. | 0.6 | 0 |
| 7 | Smoldering Combustion of Hexagonal Incense Material with Forced Airflow. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042002. | 0.6 | 0 |
| 8 | Design and Development of a Modular Atmospheric Boundary Layer Wind Tunne. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042059. | 0.6 | 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. | 0.6 | 1 |
| 11 | Smoke based visualization of turbulent swirl jet flow. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022011. | 0.6 | 4 |
| 12 | Design and development of impinging jet facility for flow visualization studies. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042003. | 0.6 | 2 |
| 13 | Elementary characterization of smoke tunnel using flow over a circular cylinder. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042018. | 0.6 | 1 |
| 14 | Numerical simulation of an Indian auto-rickshaw model. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022003. | 0.6 | 2 |
| 15 | Flow visualization over an Indian auto-rickshaw model. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022004. | 0.6 | 3 |
| 16 | Preliminary aero-acoustic measurements of free rotating rotor with predefined imbalance. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022014. | 0.6 | 0 |
| 17 | Effect of nozzle turbulent intensity in multiple round jets using openFOAM®. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022023. | 0.6 | 0 |
| 18 | Preliminary aeroacoustic measurements of conditioned jet flow from a circular nozzle. IOP Conference Series: Materials Science and Engineering, 2020, 912, 022024. | 0.6 | 1 |

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|----|---|-----|-----------|
| 19 | How to Burn? Straight vs Horizontal vs Suspended. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042001. | 0.6 | 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. | 0.6 | 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. | 0.6 | 0 |
| 22 | Assessment of Turbulence Models on a Backward Facing Step Flow Using OpenFOAM®. IOP Conference Series: Materials Science and Engineering, 2020, 912, 042060. | 0.6 | 4 |
| 23 | Numerical flow visualization of supersonic flow using OpenFOAM®. AIP Conference Proceedings, 2020, , . | 0.4 | 2 |
| 24 | Simulation of backward facing step flow using OpenFOAM®. AIP Conference Proceedings, 2020, , . | 0.4 | 2 |
| 25 | Studies on blasting effects of shock waves from a small " Scale shock tube. AIP Conference Proceedings, 2020, , . | 0.4 | 5 |
| 26 | Aeroacoustic measurements of different types of propellers. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 27 | Design and development of a low-cost visualization setup for compressible flows. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 28 | Numerical aerodynamic study of a typical high-rise building. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 29 | Effect of door opening on flow and drag characteristics of a model SUV. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 30 | Numerical study of effects on vortex shedding patterns due to unsteady freestream around cylinder. AIP Conference Proceedings, 2020, , . | 0.4 | 1 |
| 31 | Visualization of shock structures in converging nozzles with novel chevron configurations. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 32 | Preliminary studies on jet flow from non-uniform straight vane swirler: Effect of vane orientation. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 33 | Visualization of a vortex ring from an evolving plume. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 34 | Study of flow over a cruciform cylinder at various low Reynolds numbers using OpenFOAM®. AIP Conference Proceedings, 2020, , . | 0.4 | 2 |
| 35 | Study of various mesh strategies for flow over a square cylinder using OpenFOAM®. AIP Conference Proceedings, 2020, , . | 0.4 | 1 |
| 36 | Preliminary studies on jet flows from flat vane swirler: Effect of twist angle. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |

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|----|---|-----|-----------|
| 37 | Visualization of flow structures from a vertically long human nail. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 38 | Aesthetic aerodynamics of beach corn grilling. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 39 | Some studies on aerodynamics of tuk-tuk vehicle. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 40 | Elemental effects of aspect ratio of buildings due to wind driven rain using open FOAMÂ®. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 41 | Preliminary studies on jet flow from curved vane swirl: Effect of radius of curvature. AIP Conference Proceedings, 2020, , . | 0.4 | 1 |
| 42 | Visualization of flow control using ion wind on impinging jet. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 43 | Feasibility study of ion generator for flow control. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 44 | Modification of an auto-rickshaw for drag reduction using numerical simulation. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 45 | Numerical simulation of flow over buildings using OpenFOAMÂ®. AIP Conference Proceedings, 2019, , . | 0.4 | 4 |
| 46 | Numerical simulation of flat plate boundary layer transition using OpenFOAMÂ®. AIP Conference Proceedings, 2019, , . | 0.4 | 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, , . | 0.4 | 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. | 3.0 | 11 |
| 50 | Effect of momentum flux distribution on multiple round jets. Aircraft Engineering and Aerospace Technology, 2018, 90, 452-460. | 1.2 | 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. | 1.3 | 12 |
| 52 | Some Measurements in Multiple Jets. Green Energy and Technology, 2018, , 111-124. | 0.6 | 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. | 1.3 | 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. | 0.6 | 0 |
| 61 | Schlieren without Knife-edge. IOP Conference Series: Materials Science and Engineering, 0, 988, 012037. | 0.6 | 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. | 0.6 | 0 |
| 63 | Attenuation of Aeroacoustic Noise of a Typical Van Using Passive Devices through CFD Simulation. , 0, , . | | 1 |