# Kalyan Prasad Sinhamahapatra

List of Publications by Year
in descending order

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|---|---|---|---|
| 13<br>papers | 430<br>citations | 1040056<br>9<br>h-index | 1372567<br>10<br>g-index |
| 13<br>all docs | 13<br>docs citations | 13<br>times ranked | 287<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Flow past a circular cylinder between parallel walls at low Reynolds numbers. Ocean Engineering, 2010, 37, 757-769. | 4.3 | 112 |
| 2 | Comparison of different turbulence models in predicting the temperature separation in a Ranque–Hilsch vortex tube. International Journal of Refrigeration, 2010, 33, 783-792. | 3.4 | 89 |
| 3 | Slosh dynamics of liquid-filled containers with submerged components using pressure-based finite element method. Journal of Sound and Vibration, 2007, 304, 361-381. | 3.9 | 57 |
| 4 | Numerical investigation of gas species and energy separation in the Ranque–Hilsch vortex tube using real gas model. International Journal of Refrigeration, 2011, 34, 2118-2128. | 3.4 | 51 |
| 5 | 2D simulation of fluid-structure interaction using finite element method. Finite Elements in Analysis and Design, 2008, 45, 52-59. | 3.2 | 32 |
| 6 | Exergy analysis of a hot cascade type Ranque-Hilsch vortex tube using turbulence model. International Journal of Refrigeration, 2014, 45, 13-24. | 3.4 | 30 |
| 7 | Numerical analysis on the heat and work transfer due to shear in a hot cascade Ranque–Hilsch vortex tube. International Journal of Refrigeration, 2016, 68, 161-176. | 3.4 | 28 |
| 8 | Experimental and numerical investigation of energy separation in counterflow and uniflow vortex tubes. International Journal of Refrigeration, 2021, 123, 9-22. | 3.4 | 15 |
| 9 | Control of vortex shedding from a circular cylinder using imposed transverse magnetic field. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 32-45. | 2.8 | 14 |
| 10 | CFD Study on the Effects of Nozzle Number on Turbulent Flow and Energy Separation in a Ranque-Hilsch Vortex Tube. Applied Mechanics and Materials, 0, 465-466, 505-509. | 0.2 | 1 |
| 11 | Numerical analysis of characteristic features of shallow and deep cavity in supersonic flow. International Journal of Computational Fluid Dynamics, 2016, 30, 231-255. | 1.2 | 1 |
| 12 | A fluid–solid finite element method for the analysis of reactor safety problems. Annals of Nuclear Energy, 2006, 33, 692-699. | 1.8 | 0 |
| 13 | Physical simulation of dry microburst using impinging jet model with swirl. International Journal of Engineering, Science and Technology, 2011, 3, . | 0.6 | 0 |