

Kalyan Prasad Sinhamahapatra

List of Publications by Year in descending order

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13
papers

430
citations

1040056

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1372567

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g-index

13
all docs

13
docs citations

13
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and numerical investigation of energy separation in counterflow and uniflow vortex tubes. International Journal of Refrigeration, 2021, 123, 9-22.	3.4	15
2	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
3	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
4	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
5	Physical simulation of dry microburst using impinging jet model with swirl. International Journal of Engineering, Science and Technology, 2011, 3, .	0.6	0
6	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
7	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
8	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
9	Flow past a circular cylinder between parallel walls at low Reynolds numbers. Ocean Engineering, 2010, 37, 757-769.	4.3	112
10	2D simulation of fluid-structure interaction using finite element method. Finite Elements in Analysis and Design, 2008, 45, 52-59.	3.2	32
11	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
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	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