

Ravindra D Jilte

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8800605/publications.pdf>

Version: 2024-02-01

44
papers

1,605
citations

377584

21
h-index

340414

39
g-index

45
all docs

45
docs citations

45
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of Thermal and Structural Design in Lithium-Ion Batteries to Obtain Energy Efficient Battery Thermal Management System (BTMS): A Critical Review. Archives of Computational Methods in Engineering, 2022, 29, 129-194.	6.0	44
2	Optical and Thermal Analysis of STCR Cavity Subjected Under Flow and no Flow Conditions. Lecture Notes in Mechanical Engineering, 2022, , 219-230.	0.3	0
3	Numerical analysis and machine learning for battery thermal performance cooled with different fluids. International Journal of Energy Research, 2022, 46, 21452-21466.	2.2	6
4	Exergy and exergo-environmental analysis of a 660MW supercritical coal-fired power plant. Journal of Thermal Analysis and Calorimetry, 2021, 145, 1005-1018.	2.0	14
5	Nusselt number analysis from a battery pack cooled by different fluids and multiple back-propagation modelling using feed-forward networks. International Journal of Thermal Sciences, 2021, 161, 106738.	2.6	72
6	A review on passive methods for thermal performance enhancement in parabolic trough solar collectors. International Journal of Energy Research, 2021, 45, 4932-4966.	2.2	23
7	A novel battery thermal management system using nano-enhanced phase change materials. Energy, 2021, 219, 119564.	4.5	263
8	Battery thermal management: An optimization study of parallelized conjugate numerical analysis using Cuckoo search and Artificial bee colony algorithm. International Journal of Heat and Mass Transfer, 2021, 166, 120798.	2.5	65
9	Economic and exergoeconomic investigation of 660MW coal-fired power plant. Journal of Thermal Analysis and Calorimetry, 2021, 145, 1121-1135.	2.0	19
10	Three-dimensional CFD study on heat dissipation in cylindrical lithium-ion battery module. Materials Today: Proceedings, 2021, 46, 10964-10968.	0.9	6
11	A review on phase change materials for different applications. Materials Today: Proceedings, 2021, 46, 10980-10986.	0.9	25
12	Numerical study on cooling of prismatic lithium-ion battery module. Materials Today: Proceedings, 2021, 46, 10975-10979.	0.9	1
13	Hybrid cooling of cylindrical battery with liquid channels in phase change material. International Journal of Energy Research, 2021, 45, 11065-11083.	2.2	45
14	Thermal modelling and characteristic evaluation of electric vehicle battery system. Case Studies in Thermal Engineering, 2021, 26, 101058.	2.8	16
15	Comparing various machine learning approaches in modeling the dynamic viscosity of CuO/water nanofluid. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2585-2599.	2.0	142
16	A study on thermohydraulic characteristics of fluid flow through microchannels. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1-32.	2.0	24
17	Investigation and back-propagation modeling of base pressure at sonic and supersonic Mach numbers. Physics of Fluids, 2020, 32, .	1.6	41
18	Performance evaluation of ground heat exchanger using novel spirally corrugated pipe geometryâ€”A CFD approach. AIP Conference Proceedings, 2020, , .	0.3	2

#	ARTICLE	IF	CITATIONS
19	Analysis of thermal performance and heat transfer characteristics of discrete w-shaped ribs in a double pass solar air heater. AIP Conference Proceedings, 2020, , .	0.3	1
20	Study of Performance Enhancement of Single and Double Pass Solar Air Heater with Change in Surface Roughness. Journal of Physics: Conference Series, 2020, 1531, 012091.	0.3	3
21	Solar flux distribution study in heat pipe cavity receiver integrated with biomass gasifier. International Journal of Energy Research, 2020, 44, 7698-7712.	2.2	10
22	Cooling Performance of a Novel Circulatory Flow Concentric Multi-Channel Heat Sink with Nanofluids. Nanomaterials, 2020, 10, 647.	1.9	22
23	A Simulation Model to Predict Coal-Fired Power Plant Production Rate Using Artificial Neural Network Tool. Advances in Intelligent Systems and Computing, 2020, , 150-160.	0.5	12
24	Battery thermal management system employing phase change material with cell-to-cell air cooling. Applied Thermal Engineering, 2019, 161, 114199.	3.0	176
25	Energy and exergy analyses and thermo-economic optimization of geothermal heat pump for domestic water heating. International Journal of Low-Carbon Technologies, 2019, 14, 108-121.	1.2	29
26	Cooling performance of nanofluid submerged vs. nanofluid circulated battery thermal management systems. Journal of Cleaner Production, 2019, 240, 118131.	4.6	112
27	Numerical analysis of synthetic fluids in three-dimensional trapezoidal cavity used for CLFR plant. Materials Today: Proceedings, 2019, 16, 413-420.	0.9	0
28	Steady-State Modelling and Validation of a Thermal Power Plant. Lecture Notes in Mechanical Engineering, 2019, , 511-519.	0.3	1
29	Applicability of connectionist methods to predict dynamic viscosity of silver/water nanofluid by using ANN-MLP, MARS and MPR algorithms. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 220-228.	1.5	55
30	A simulation model for thermal performance prediction of a coal-fired power plant. International Journal of Low-Carbon Technologies, 2019, 14, 122-134.	1.2	19
31	Status of carbon capture and storage in India's coal fired power plants: A critical review. Environmental Technology and Innovation, 2019, 13, 94-103.	3.0	51
32	Thermal performance of a novel confined flow Li-ion battery module. Applied Thermal Engineering, 2019, 146, 1-11.	3.0	65
33	Thermal Stress Analysis of XW-42 Steel Workpiece Using Finite Element Modeling. Materials Today: Proceedings, 2018, 5, 28470-28479.	0.9	2
34	Temperature Distribution of a Workpiece in EDM Process. Materials Today: Proceedings, 2018, 5, 28480-28488.	0.9	6
35	Electricity alternative for e-rickshaws: an approach towards green city. International Journal of Intelligent Enterprise, 2018, 5, 333.	0.1	1
36	Numerical investigation on cooling performance of Li-ion battery thermal management system at high galvanostatic discharge. Engineering Science and Technology, an International Journal, 2018, 21, 957-969.	2.0	46

#	ARTICLE	IF	CITATIONS
37	A review on the solar applications of thermosyphons. Mathematical Modelling of Engineering Problems, 2018, 5, 275-280.	0.3	23
38	Applications of nanofluids in geothermal: A review. Mathematical Modelling of Engineering Problems, 2018, 5, 281-285.	0.3	29
39	Technical and economical optimization of CHP systems by using gas turbine and energy recovery system. Mathematical Modelling of Engineering Problems, 2018, 5, 286-292.	0.3	2
40	Experimental Investigation on Heat Losses From Differentially Heated Cylindrical Cavity Receiver Used in Paraboloid Concentrator. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.1	8
41	Numerical Investigation on Trapezoidal Cavity Receiver Used In LFR with Water Flow in Absorber Tubes. IOP Conference Series: Materials Science and Engineering, 2017, 187, 012026.	0.3	2
42	Investigation on Convective Heat Losses from Solar Cavities under Wind Conditions. Energy Procedia, 2014, 57, 437-446.	1.8	48
43	Natural Convection and Radiation Heat Loss from Open Cavities of Different Shapes and Sizes Used with Dish Concentrator. Mechanical Engineering Research, 2013, 3, 25.	0.2	63
44	Thermodynamic modeling and performance evaluation of a supercritical coal-fired power plant situated in Western India. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19.	1.2	10