

Sartaj Tanweer

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

519
citations

840776

11
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

506
citing authors

#	ARTICLE	IF	CITATIONS
1	Flat plate hybrid photovoltaic- thermal (PV/T) system: A review on design and development. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 84, 111-130.	16.4	115
2	A Review of State of Health Estimation of Energy Storage Systems: Challenges and Possible Solutions for Futuristic Applications of Li-Ion Battery Packs in Electric Vehicles. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2019, 16, .	2.1	75
3	Performance investigation of a rectangular spiral flow PV/T collector with a novel form-stable composite material. <i>Applied Thermal Engineering</i> , 2021, 182, 116035.	6.0	55
4	Development of a novel thermal model for a PV/T collector and its experimental analysis. <i>Solar Energy</i> , 2019, 188, 631-643.	6.1	39
5	Exploring the efficiency and pollutant emission of a dual fuel CI engine using biodiesel and producer gas: An optimization approach using response surface methodology. <i>Science of the Total Environment</i> , 2021, 773, 145633.	8.0	36
6	A comparative study on synthesis and characterization of biochars derived from lignocellulosic biomass for their candidacy in agronomy and energy applications. <i>International Journal of Energy Research</i> , 2021, 45, 4765-4781.	4.5	32
7	Thermal management for prevention of failures of lithium ion battery packs in electric vehicles: A review and critical future aspects. <i>Energy Storage</i> , 2020, 2, e137.	4.3	29
8	A review on recent developments in solar distillation units. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2016, 41, 203-223.	1.3	27
9	A Novel MOGA approach for power saving strategy and optimization of maximum temperature and maximum pressure for liquid cooling type battery thermal management system. <i>International Journal of Green Energy</i> , 2021, 18, 80-89.	3.8	13
10	Influence of three-dimensional wake transition on heat transfer from a square cylinder near a moving wall. <i>International Journal of Heat and Mass Transfer</i> , 2020, 148, 118986.	4.8	11
11	Effectiveness of coaxial surface junction thermal probe for transient measurements through laser based heat flux assessment. <i>Heat and Mass Transfer</i> , 2020, 56, 1141-1152.	2.1	11
12	Three-dimensional wake transitions past a rectangular cylinder placed near a moving wall: Influence of aspect and gap ratios. <i>Ocean Engineering</i> , 2021, 219, 108288.	4.3	8
13	Numerical study of the hydrodynamics and heat transfer characteristics of gasâ€“solid in a slit-less rotating fluidized bed in static geometry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 2647-2656.	3.6	7
14	Experimental study of food grain drying in a gasâ€“solid vortex reactor. <i>Drying Technology</i> , 2022, 40, 884-896.	3.1	7
15	Performance investigation of transparent photovoltaicâ€“thermal collector with horizontal oscillating and rectangular spiral flow patterns. <i>International Journal of Energy Research</i> , 2022, 46, 239-253.	4.5	7
16	Feasibility study of installation of MW level grid connected solar photovoltaic power plant for northeastern region of India. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	1.3	6
17	Influence of wake confinement and buoyancy on flow past a square cylinder. <i>Fluid Dynamics Research</i> , 2019, 51, 035502.	1.3	6
18	Influence of gap-ratio on flow dynamics and heat transfer for a square cylinder approaching a moving wall in turbulent regime. <i>International Journal of Heat and Mass Transfer</i> , 2021, 172, 121122.	4.8	5

#	ARTICLE	IF	CITATIONS
19	Experimental investigation of paddy drying characteristics in a slitless rotary fluidized-bed dryer. Drying Technology, 0, , 1-11.	3.1	5
20	A novel comprehensive procedure for determination of optimum operating conditions for cleaner energy production system. International Journal of Energy Research, 2018, 42, 3339-3350.	4.5	4
21	Biomass gasification in a double-tapered bubbling fluidized bed reactor using preheated air. International Journal of Energy and Environmental Engineering, 2022, 13, 643-656.	2.5	4
22	A Detailed Study of Pyrolysis Kinetics of Elephant Grass Using Thermogravimetric Analysis. , 2018, , .		3
23	Transient Response Characteristics and Performance Assessment of a Calorimetric Surface Junction Probe Under Impulsive Thermal Loading. Journal of Heat Transfer, 2021, 143, .	2.1	3
24	Effects of wake confinement and buoyancy on three-dimensional flow transitions for a square cylinder near a moving wall. Physics of Fluids, 2021, 33, .	4.0	3
25	Experimental analysis of photovoltaic-thermal collectors with closely spaced tubes. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-23.	2.3	2
26	Prediction of species concentration in syngas produced through gasification of different bamboo biomasses: a numerical approach. International Journal of Energy and Environmental Engineering, 0, , 1.	2.5	2
27	Stability analysis of cross buoyancy flow past a circular cylinder using OpenFOAM. Materials Today: Proceedings, 2020, 28, 2057-2061.	1.8	0