

Santanu Prasad Datta

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

401
citations

840119

11
h-index

887659

17
g-index

19
all docs

19
docs citations

19
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric investigation to optimize the thermal management of pouch type lithium-ion batteries with mini-channel cold plates. International Journal of Heat and Mass Transfer, 2021, 164, 120568.	2.5	84
2	An improved mini-channel based liquid cooling strategy of prismatic LiFePO ₄ batteries for electric or hybrid vehicles. Journal of Energy Storage, 2021, 35, 102301.	3.9	60
3	A numerical analysis on multi-stage Tesla valve based cold plate for cooling of pouch type Li-ion batteries. International Journal of Heat and Mass Transfer, 2021, 177, 121560.	2.5	50
4	An insight of CO_2 hydrogenation to methanol synthesis: Thermodynamics, catalysts, operating parameters, and reaction mechanism. International Journal of Energy Research, 2022, 46, 5503-5522.	2.2	38
5	Comparative assessment among several channel designs with constant volume for cooling of pouch-type battery module. Energy Conversion and Management, 2022, 251, 114936.	4.4	37
6	Polyaniline supported g-C ₃ N ₄ quantum dots surpass benchmark Pt/C: Development of morphologically engineered g-C ₃ N ₄ catalysts towards "metal-free" methanol electro-oxidation. Journal of Power Sources, 2020, 461, 228150.	4.0	26
7	"We Just Never Have Enough Time", Clinician Views of Lung Cancer Screening Processes and Implementation. Annals of the American Thoracic Society, 2020, 17, 1264-1272.	1.5	24
8	A compendium on metal organic framework materials and their derivatives as electrocatalyst for methanol oxidation reaction. Molecular Catalysis, 2021, 510, 111710.	1.0	16
9	Electro-Oxidation Reaction of Methanol over $\text{La}_{2-x}\text{Sr}_x\text{NiO}_{4+\delta}$ Ruddlesden-Popper Oxides. ACS Applied Energy Materials, 2022, 5, 503-515.	2.5	15
10	An optimized ANN for the performance prediction of an automotive air conditioning system. Science and Technology for the Built Environment, 2019, 25, 282-296.	0.8	14
11	A feasibility assessment of single to multi/hybrid evaporative coolers for building air-conditioning across diverse climates in India. Applied Thermal Engineering, 2020, 168, 114813.	3.0	12
12	Predictive assessment from ANN and MLR models to optimize the ideal evaporative/hybrid cooler based on experimental observations. Journal of Building Engineering, 2021, 44, 103256.	1.6	8
13	Drop-in Replacement of Conventional Automotive Refrigeration System to Hybrid-Ejector System with Environment-Friendly Refrigerants. Energy Conversion and Management, 2022, 266, 115819.	4.4	6
14	Selection of an Ideal Coolant to Ward Off the Thermal Runaway of a Pouch Type Li-Ion Battery Module. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	1.1	4
15	Experimental and Numerical Investigations of Johnson Cook Constitutive Model for Hot Flow Stress Prediction of Inconel 625 Alloy. , 2019, , .		2
16	Comprehensive exergetic, sustainability and enviro-economic evaluation of single-stage and hybrid evaporative coolers in India. Sustainable Energy Technologies and Assessments, 2021, 47, 101403.	1.7	2
17	Experimental evaluation of energetic and exergetic enactment for exotic evaporative to expansion-type edifice-coolers. International Communications in Heat and Mass Transfer, 2022, 135, 106064.	2.9	2
18	Performance of an automotive air conditioning system with the variation of state-of-charge of the storage battery. International Journal of Refrigeration, 2017, 75, 104-116.	1.8	1

#	ARTICLE	IF	CITATIONS
19	Climatic Effect on the Exergetic Performance of Conventional to Hybrid Evaporative Coolers With Varying Dead-State Temperatures in India. Journal of Thermal Science and Engineering Applications, 2022, 14, .	0.8	0