Hassan Nazir

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About

Dr. Hassan Nazir is working as Lab Engineer in the US-Pakistan Center for Advanced Studies in Energy. Dr. Hassan Nazir has published 13 research articles & conference papers having a citation count of 2153, carried out 0 projects and filed 0 intellectual property.

Qualifications

MS in Energy Systems Engineering 2015 - 2018
NUST, Islamabad , Pakistan

BSc in Chemical Engineering 2010 - 2014
UET Lahore , Pakistan

Experience

Lab Engineer 2019- Present
US-Pakistan Center for Advanced Studies in Energy

Lab Engineer 2019 - 2019
Centre for Energy System

Research Scholar Scholar 2017 - 2017
The Polytechnic School, Arizona State University Mesa, USA , The Polytechnic School, Arizona State University Mesa, USA

Research Articles

Thermal management of lithium-ion batteries using Kraft paper honeycomb wall based novel cooling system for electric vehicles- An experimental investigation 2024
Kashif Mushtaq Hassan Abdullah Khalid Hassan Nazir Naseem Iqbal Majid Ali Aamir Khan Adeel Waqas
Journal of Energy Storage, Volume 97, Part A , Article Number 112677
Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 2
DOI: https://doi.org/10.1016/j.est.2024.112677

Experimental investigation of eutectic PCM incorporated clay brick for thermal management of building envelope 2024
Samad Ali Taj Waqas Khalid Hassan Nazir Aamir Khan Muhammad Sajid Adeel Waqas Arsalan Hussain Majid Ali Sheikh Ahmad Zaki
Journal of Energy Storage, Volume 84, Part A, Article Number 110838
Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 16
DOI: https://doi.org/10.1016/j.est.2024.110838

Hybrid thermal management of Li-ion battery pack: An experimental study with eutectic PCM-embedded heat transfer fluid 2024
Aamir Khan Majid Ali Sana Yaqub Hassan Abdullah Khalid Rao Rumman Ullah Khan Kashif Mushtaq Hassan Nazir Zafar Said
Journal of Energy Storage, Volume 77, Article Number 109929
Impact Factor: 8.9 | **Quartile:** 1 | **Citations:** 20
DOI: doi.org/10.1016/j.est.2023.109929

Effect of surfactants on the stability and thermophysical properties of Al2O3+TiO2 hybrid nanofluids 2023
Abdul Rehman Sana Yaqub Majid Ali Hassan Nazir Nadia Shahzad Sehar Shakir Rabia Liaquat Zafar Said
Journal of Molecular Liquids, Volume 391, Part B, Article Number 123350
Impact Factor: 6.0 | **Quartile:** 1 | **Citations:** 31
DOI: https://doi.org/10.1016/j.molliq.2023.123350

Performance Evaluation of an Evacuated Flat-Plate Collector System for Domestic Hot Water Applications 2023

Hamza Saeed Mariam Mahmood Hassan Nazir Adeel Waqas Naveed Ahmed Majid Ali Abdul Haseeb Muhammad Bilal Sajid
Journal of Solar Energy Engineering, Transactions of the ASME, Volume 145, Issue 5, Article Number:051006, Pages:12
Impact Factor: 2.3 | **Quartile:** 3 | **Citations:** 3
DOI: 10.1115/1.4056790

Thermal management of Li-ion battery by using active and passive cooling method 2023
Muhammad Waqas Nazar Naseem Iqbal Majid Ali Hassan Nazir M. Zain Bin Amjad
Journal of Energy Storage, Volume 61, Article Number 106800
Impact Factor: 8.907 | **Quartile:** 1 | **Citations:** 45
DOI: https://doi.org/10.1016/j.est.2023.106800

Is the H2 Economy realizable in the foreseeable future? Part III: H2 Usage Technologies, Applications, and Challenges and Opportunities 2020
Hassan Nazir Navaneethan Muthuswamy Cindrella Louis Sujin Jose Jyoti Prakash Marthe E. M. Buan Cristina Flox Sai Chavan Xuan Shi Pertti Kauranen Tanja Kallio Gilberto Maia Kaido Tammeveski Nikolaos Lymperopoulos Elena Carcadea Emre Veziroglu Alfredo Iranzo Arunachala Mada Kannan
International Journal of Hydrogen Energy, Volume 45, Issue 53, Pages 28217-28239
Impact Factor: 5.816 | **Quartile:** 2 | **Citations:** 192
DOI: 10.1016/j.ijhydene.2020.07.256

Is the H2 Economy realizable in the foreseeable future? Part II: H2 Storage, Transportation and Distribution 2020
Hassan Nazir Navaneethan Muthuswamy Cindrella Louis Sujin Jose Jyoti Prakash Marthe E. M. Buan Cristina Flox Sai Chavan Xuan Shi Pertti Kauranen Tanja Kallio Gilberto Maia Kaido Tammeveski Nikolaos Lymperopoulos Elena Carcadea Emre Veziroglu Alfredo Iranzo Arunachala Mada Kannan
International Journal of Hydrogen Energy, Volume 45, Issue 41, Pages 20693-20708
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Is the H2 economy realizable in the foreseeable future? Part I: H2 production methods 2020
Hassan Nazir Cindrella Louis Sujin Jose Jyoti Prakash Navaneethan Muthuswamy Marthe E. M. Buan Cristina Flox Sai Chavan Xuan Shi Pertti Kauranen Tanja Kallio Gilberto Maia Kaido Tammeveski Nikolaos Lymperopoulos Elena Carcadea Emre Veziroglu Alfredo Iranzo Arunachala Mada Kannan
International Journal of Hydrogen Energy, Volume 45, Issue 27, Pages 13777-13788
Impact Factor: 5.816 | **Quartile:** 2 | **Citations:** 261
DOI: doi.org/10.1016/j.ijhydene.2020.03.092

Parametric analysis of a steady state equilibrium-based biomass gasification model for syngas and biochar production and heat generation 2019
Wajeha Tauqir Wajeha Tauqir Muhammad Zubair Hassan Nazir
Energy Conversion and Management, Volume: 199, Article Number: 111954
Impact Factor: 8.208 | **Quartile:** 1 | **Citations:** 74
DOI: DOI: 10.1016/j.enconman.2019.111954

Recent developments in phase change materials for energy storage applications: A review 2019
Mariah Batool Francisco J. Bolivar Osorio Marllory Isaza-Ruiz Xinhai Xu Patrick Phelan Inamuddin Arunachala M. Kannan K. Vignarooban Hassan Nazir
Mariah Batool Francisco J. Bolivar Osorio Marllory Isaza-Ruiz Xinhai Xu Patrick Phelan Inamuddin Arunachala M. Kannan K. Vignarooban
International Journal of Heat and Mass Transfer, Volume 129, Pages 491-523
Impact Factor: 4.947 | **Quartile:** 1 | **Citations:** 1264
DOI: https://doi.org/10.1016/j.ijheatmasstransfer.2018.09.126