

Hassan Nazir

Lab Engineer

US-Pakistan Center for Advanced Studies in Energy

Email: hassannazir@uspcase.nust.edu.pk

Contact: 000000000

LinkedIn:



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 NUST, Islamabad , Pakistan	2015 - 2018
BSc in Chemical Engineering UET Lahore , Pakistan	2010 - 2014

Experience

Lab Engineer US-Pakistan Center for Advanced Studies in Energy	2019- Present
Lab Engineer Centre for Energy System	2019 - 2019
Research Scholar Scholar The Polytechnic School, Arizona State University Mesa, USA , The Polytechnic School, Arizona State University Mesa, USA	2017 - 2017

Research Articles

Thermal management of lithium-ion batteries using Kraft paper honeycomb wall based novel cooling system for electric vehicles- An experimental investigation <i>Kashif Mushtaq Hassan Abdullah Khalid Hassan Nazir Naseem Iqbal Majid Ali Aamir Khan Adeel Waqas</i> <i>Journal of Energy Storage</i> , 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	2024
Experimental investigation of eutectic PCM incorporated clay brick for thermal management of building envelope <i>Samad Ali Taj Waqas Khalid Hassan Nazir Aamir Khan Muhammad Sajid Adeel Waqas Arsalan Hussain Majid Ali Sheikh Ahmad Zaki</i> <i>Journal of Energy Storage</i> , 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	2024
Hybrid thermal management of Li-ion battery pack: An experimental study with eutectic PCM-embedded heat transfer fluid <i>Aamir Khan Majid Ali Sana Yaqub Hassan Abdullah Khalid Rao Rumman Ullah Khan Kashif Mushtaq Hassan Nazir Zafar Said</i> <i>Journal of Energy Storage</i> , Volume 77, Article Number 109929 Impact Factor: 8.9 Quartile: 1 Citations: 20 DOI: doi.org/10.1016/j.est.2023.109929	2024
Effect of surfactants on the stability and thermophysical properties of Al2O3+TiO2 hybrid nanofluids <i>Abdul Rehman Sana Yaqub Majid Ali Hassan Nazir Nadia Shahzad Sehar Shakir Rabia Liaquat Zafar Said</i> <i>Journal of Molecular Liquids</i> , 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	2023
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 Lympieropoulos 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 Lympieropoulos Elena Carcadea Emre Veziroglu Alfredo Iranzo Arunachala Mada Kannan

International Journal of Hydrogen Energy, Volume 45, Issue 41, Pages 20693-20708

Impact Factor: 5.816 | **Quartile:** 2 | **Citations:** 189

DOI: <https://doi.org/10.1016/j.ijhydene.2020.05.241>

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 Lympieropoulos 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 Marlory Isaza-Ruiz Xinhai Xu Patrick Phelan Inamuddin Arunachala M. Kannan K. Vignarooban Hassan Nazir

Mariah Batool Francisco J. Bolivar Osorio Marlory 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>