Tariq Amin Khan

Associate Professor

College of Aeronautical Engineering

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About

Dr. Tariq Amin Khan is working as Associate Professor in the College of Aeronautical Engineering. Dr. Tariq Amin Khan has a PhD in Thermal Power Engineering. Dr. Tariq Amin Khan has published 16 research articles & conference papers having a citation count of 252, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Thermal Power Engineering 2014 - 2018
Zhejiang University , China

MSc in Power Engg And Engg Thermo Physics 2012 - 2014
Xi'an Jiaotong University , China

BSc in Mech Engg 2007 - 2011
UET Peshawar , Pakistan

Experience

Associate Professor 2024- Present
College of Aeronautical Engineering

Assistant Professor 2020 - 2020
College of Aeronautical Engineering

Assistant Professor 2018 - 2020
NFC Institute of engineering and technology , Multan

Professional Memberships

PEC Since 2021

Research Articles

Effect of Bypass Duct On the Thrust Vectoring Performance of Dual Throat Nozzle in a Supersonic Aircraft 2024
Saadia Afridi Tariq Amin Khan Imran Shah Yasir Ali Muhammad Nafees Mumtaz Qadri Wei Li
Journal of Fluids Engineering, Volume 146(6), Pages 061206
Impact Factor: 2.0 | **Quartile:** 3 | **Citations:** 1
DOI: https://doi.org/10.1115/1.4064608

Flight Dynamic Characteristics of Wide-Body Aircraft with Wind Gust and Turbulence 2023
Kashif Mehmood Syed Irtiza Ali Shah Taimur Ali Shams Muhammad Nafees Mumtaz Qadri Tariq Amin Khan David Kukulka
Fluids , Volume 8(12), Article Number 320
Impact Factor: 1.8 | **Quartile:** 3 | **Citations:** 2
DOI: https://doi.org/10.3390/fluids8120320

A Multiphysics-Multiscale Model for Particle–Binder Interactions in Electrode of Lithium-Ion Batteries 2023
Yasir Ali Imran Shah Tariq Amin Khan Noman Iqbal
Energies , Volume 16(15), Article Number 5823
Impact Factor: 3.2 | **Quartile:** 3 | **Citations:** 1
DOI: 10.3390/en16155823

Numerical and Experimental Analysis of Shell and Tube Heat Exchanger with Round and Hexagonal Tubes 2023

Abdullah Khan Imran Shah Waheed Gul Tariq Amin Khan Yasir Ali Syed Athar Masood

energies , Volume 16(2), Article Number 880

Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 8

DOI: 10.3390/en16020880

Numerical Investigation on the Thrust Vectoring Performance of Bypass Dual Throat Nozzle 2023

Saadia Afridi Tariq Amin Khan Syed Irtiza Ali Shah Taimur Ali Shams Kashif Mehmood Wei Li David Kukulka

Energies , Volume 16, Issue 2, Article Number 594

Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 8

DOI: https://doi.org/10.3390/en16020594

Computational Fluid Dynamics and Experimental Analysis of a Wind Turbine Blade's Frontal Section with and without Arrays of Dimpled Structures 2022

Shahid Aziz Abdullah Khan Imran Shah Tariq Amin Khan Yasir Ali Badar Rashid Dong Won Jung Muhammad Umer Sohail

Energies , Volume 15, Issue 19, Article Number 7108

Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 12

DOI: https://doi.org/10.3390/en15197108

Multi-objective nozzle design optimization for maximum thrust vectoring performance 2022

Saadia Afridi Tariq Amin Khan

Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, Pages 1-13

Impact Factor: 1.285 | **Quartile:** 4 | **Citations:** 11

DOI: 10.1177/09544100221106656

Effects of Materials on the Heat Transfer Coefficient During Condensation and Evaporation of R410A 2021

Wei Yu Tang Tariq Amin Khan Boren Zheng Lei Wang Wei Li S.A. Sherif

Journal of Solar Energy Engineering, Volume 143(3): 031007 (10 pages)

Impact Factor: 2.376 | **Quartile:** 3 | **Citations:** 2

DOI: 10.1115/1.4048545

Qualitative assessment and global mapping of supercritical CO2 power cycle technology 2021

Umair Sultan Yangjun Zhang Muhammad Farooq Muhammad Imran Alamgir Akhtar Khan Weilin Zhuge Tariq Amin Khan Muhammad Hummayun Yousaf Qasim Ali

Sustainable Energy Technologies and Assessments, Volume 43, Article Number 100978

Impact Factor: 7.632 | **Quartile:** 2 | **Citations:** 28

DOI: 10.1016/j.seta.2020.100978

Thermal-hydraulic performance and optimization of attack angle of delta winglets in plain and wavy finned-tube heat exchangers 2019

Hanbing Ke Tariq Amin Khan Wei Li Yusheng Lin Zhiwu Ke Hua Zhu Zhenjiang Zhang

Applied Thermal Engineering , Vol. 150, Page: 1054-1065

Impact Factor: 4.725 | **Quartile:** 1 | **Citations:** 58

DOI: https://doi.org/10.1016/j.applthermaleng.2019.01.083

Numerical study and optimization of corrugation height and angle of attack of vortex generator in the wavy fin-and-tube heat exchanger 2018

Wei Li Tariq Amin Khan Weiyu Tang W. J. Minkowycz

Journal of Heat Transfer, Volume 140, Issue 11, Article Number 4040609

Impact Factor: 1.479 | **Quartile:** 3 | **Citations:** 16

DOI: https://doi.org/10.1115/1.4040609

Optimal configuration of vortex generator for heat transfer enhancement in a plate-fin channel 2018

Tariq Amin Khan Wei Li

Journal of Thermal Science and Engineering Applications, Volume 10, Issue 2, Article Number 021013

Impact Factor: 1.115 | **Quartile:** 3 | **Citations:** 25

DOI: https://doi.org/10.1115/1.4038418

Optimal design of plate-fin heat exchanger by combining multi-objective algorithms 2017

Tariq Amin Khan Wei Li

International Journal of Heat and Mass Transfer, Volume 108, Part B, Pages 1560-1572

Impact Factor: 3.891 | **Quartile:** 1 | **Citations:** 59

DOI: http://dx.doi.org/10.1016/j.ijheatmasstransfer.2017.01.031

Conference Proceedings

Effectiveness of Multi Baffles With Trefoils on the Performance of Shell and Tube Heat Exchanger 2024

Farhad Ali Tariq Amin Khan Zahid Ahmad Qureshi Muhammad Muzafar Wei Li

ASME 2024 Heat Transfer Summer Conference, res.country(233,)

Citations: N/A

DOI: https://doi.org/10.1115/HT2024-130564

Numerical Investigation of the Thrust Vectoring Performance of a Bypass Dual Throat Nozzle 2023

Saadia Afridi Tariq Amin Khan Wei Li S. A. Sherif

ASME 2023 Heat Transfer Summer Conference collocated with the ASME 2023 17th International Conference on Energy Sustainability, res.country(233,)

Citations: N/A

DOI: https://doi.org/10.1115/HT2023-107440

Editorial Activities

Aerospace Science and Technology 2024

Reviewed Papers for Journals

Impact Factor: 5.0

Thermal Science and Engineering Progress 2024

Reviewed Papers for Journals

Impact Factor: 5.1