Nisar Ahmed

Lab Engineer

US-Pakistan Center for Advanced Studies in Energy

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Contact:

About

Dr. Nisar Ahmed is working as Lab Engineer in the US-Pakistan Center for Advanced Studies in Energy. Dr. Nisar Ahmed has published 8 research articles & conference papers having a citation count of 41, carried out 2 projects and filed 0 intellectual property.

Qualifications

MS in Thermal Energy Engg 2017 - 2020
NUST, Islamabad , Pakistan

BE in Chemical Engineering 2013 - 2017
NUST, Islamabad , Pakistan

Experience

Lab Engineer 2022- Present
US-Pakistan Center for Advanced Studies in Energy

Research Associate 2020 - 2022
NUST , USPCAS-E, NUST, H12, Islamabad

Research Projects

National Projects

Zirconia coating on Ti-alloy and ceramic substrates for enhanced thermal protection 2023
Funding Agency: NESCOM
Amount: PKR 300,000.00
Status: Completed

Surface modification of Fiber Reinforced Composite for Fair Thermal Stability and Bonding Strength - Phase II 2023
Funding Agency: NESCOM
Amount: PKR 400,000.00
Status: Completed

International Projects

Research Articles

A comparative study on exploring sputtered titanium nitride thin films for high-performance supercapacitors 2025

Mahnoor Ahmed Nisar Ahmed Haseeb Ahmad Shahid Bashir Ramesh Subramaniam Ghulam Ali

Journal of Energy Storage, Volume 105, Article Number 114712

Impact Factor: 8.900 | **Quartile:** 1 | **Citations:** 1

DOI: https://doi.org/10.1016/j.est.2024.114712

Impact of atmospheric plasma spraying parameters on microstructure, mechanical properties and thermal cycling performance of YSZ coatings 2024

Muhammad Tahir Muhammad Qasim Nisar Ahmed Aamir Naseem Satti Anwaar Ellahi Malik Zuhair S. Khan Mustafa Anwar

Ceramics International , Volume 50, Issue 24, Part B, Pages 53976-53986

Impact Factor: 5.100 | **Quartile:** 1 | **Citations:** 8

DOI: https://doi.org/10.1016/j.ceramint.2024.10.253

High performance aluminized Monel coatings with prolonged corrosion resistance in saline environment 2024

Muhammad Shaheer Aslam Nisar Ahmed Zuhair S. Khan

Materials Chemistry and Physics, Volume 313, Article Number 128695

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 2

DOI: https://doi.org/10.1016/j.matchemphys.2023.128695

Structural Evolution and Irradiation Hardening Studies in α-particles Irradiated Mo Thin Films 2023

Nisar Ahmed Zuhair Subhani Khan Asghar Ali Muhammad Azhar Iqbal Muhammad Imran Shahzad Nadia Shahzad

Materials Today Communications, Volume 34, Article Number 105238

Impact Factor: 3.662 | **Quartile:** 3 | **Citations:** 2

DOI: https://doi.org/10.1016/j.mtcomm.2022.105238

Microstructure and residual stress dependence of molybdenum films on DC magnetron sputtering conditions 2022

Nisar Ahmed Zuhair Subhani Khan Asghar Ali

Applied Physics A: Materials Science and Processing, Volume 128, Issue 11, Article Number 967

Impact Factor: 2.983 | **Quartile:** 2 | **Citations:** 7

DOI: https://doi.org/10.1007/s00339-022-06097-5

Effects of Annealing Treatment on Corrosion Resistance of Arc Sprayed Aluminum Coating 2022

Muhammad Abaid Ashraf Nisar Ahmed Zuhair Subhani Khan Muhammad Azhar Iqbal Aamir Naseem Satti Ameeq Farooq

Journal of Thermal Spray Technology, Volume 31, Issue 6, Pages 1934-1943

Impact Factor: 2.839 | **Quartile:** 3 | **Citations:** 7

DOI: https://doi.org/10.1007/s11666-022-01413-0

Si diffusion induced adhesion and corrosion resistance in annealed RF sputtered SiC films on graphite substrate 2022

Nisar Ahmed Zuhair S. Khan Muhammad Abaid Ashraf Hina Pervaiz Mohsin Ali Marwat Ahmed Abdul Qayyum

Ceramics International , Volume 48, Issue 8, Pages 11009-11017

Impact Factor: 5.2 | **Quartile:** 1 | **Citations:** 9

DOI: https://doi.org/10.1016/j.ceramint.2021.12.321

Effects of Process Parameters on the Microstructural Characteristics of DC Magnetron Sputtered Molybdenum Films on Graphite Substrate 2020

Muhammad Azhar Iqbal Zuhair S Khan Nisar Ahmed Asghar Ali

Arabian Journal for Science and Engineering, Pages 1-8

Impact Factor: 2.334 | **Quartile:** 3 | **Citations:** 5

DOI: https://doi.org/10.1007/s13369-020-04888-7