Farrukh Mazhar

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About

Dr. Farrukh Mazhar is working as in the College of Aeronautical Engineering. Dr. Farrukh Mazhar has published 12 research articles & conference papers having a citation count of 98, carried out 0 projects and filed 0 intellectual property.

Qualifications

Experience

Farrukh Mazhar

College of Aeronautical Engineering

Research Articles

A novel artificial neural network-based interface coupling approach for partitioned fluid–structure interaction problems

Ali Javed Farrukh Mazhar Atakan Altinkaynak

Engineering Analysis with Boundary Elements, Volume 151, Pages 287-308

Impact Factor: 3.250 | **Quartile:** 1 | **Citations:** 6
DOI: https://doi.org/10.1016/j.enganabound.2023.02.022

Design, Analysis and Prototyping of One-DoF Drive Mechanism for Flapping Wing Micro-aerial Vehicle Application

Rizwan Yousaf Aamer Shahzad Muhammad Nafees Mumtaz Qadri Farrukh Mazhar

Iranian Journal of Science and Technology-Transactions of Mechanical Engineering, Pages 1-18

Impact Factor: 1.530 | **Quartile:** 4
DOI: https://doi.org/10.1007/s40997-022-00552-7

On the meshfree particle methods for fluid-structure interaction problems

Farrukh Mazhar Ali Javed Jing Tang Xing Aamer Shahzad Mohtashim Mansoor Adnan Maqsood Syed Irteza Ali Shah Kamran Asim

Engineering Analysis with Boundary Elements, Volume 124, Pages 14-40

Impact Factor: 3.250 | **Quartile:** 1 | **Citations:** 38
DOI: 10.1016/j.enganabound.2020.11.005

A stabilized RBF finite difference method for convection dominated flows over meshfree nodes

Ali Javed Farrukh Mazhar Taimur Ali Shams Muhammad Ayaz Nadeem Hussain

Engineering Analysis with Boundary Elements, Volume 107, Pages 159-167

Impact Factor: 2.884 | **Quartile:** 1 | **Citations:** 5
DOI: https://doi.org/10.1016/j.enganabound.2019.07.008

Finite element analysis of mechanical properties of woven composites through a micromechanics model

Haris A. Khan Abid Hassan M.B. Saeed Farrukh Mazhar

Science and Engineering of Composite Materials, Volume 24, Issue 1, Pages 87–99

Impact Factor: 0.619 | **Quartile:** 4 | **Citations:** 13
DOI: https://doi.org/10.1515/secm-2014-0266

Knowledge-Based Aerodynamic Estimation of Airships

Khurram Rashid Riaz Ahmad Adnan Maqsood Farrukh Mazhar

International Journal of Mechanical Engineering and Robotics Research, Vol. 5, No. 4, October 2016

Impact Factor: - | **Citations:** 2
DOI: 10.18178/ijmerr.5.4.239-245

Reverse Engineering in Modeling of Aircraft Propeller Blade - First Step to Product Optimization

Muhammad Yasir Anwar Shahid Ikramullah Butt Farrukh Mazhar

IIUM Engineering Journal, Vol. 15, No. 2, Pages 43-57

Impact Factor: 0
DOI: https://doi.org/10.31436/iiumej.v15i2.497

On using neural networks in UAV structural design for CFD data fitting and classification

Farrukh Mazhar Abdul Munyem Khan Imran Ali Chaudhry Mansoor Ahsan

Aerospace Science and Technology, Volume 30, Issue 1, Pages 210-225

Impact Factor: 1.00 | **Quartile:** 1 | **Citations:** 34
DOI: http://dx.doi.org/10.1016/j.ast.2013.08.005

Conference Proceedings

An overview of methods for investigation of aeroelastic response on high aspect ratio fixed-winged aircraft   2020

Muhammad Khizer Ali Khan Ali Javed Muhammad Nafees Mumtaz Qadri Mohtashim Mansoor Farrukh Mazhar

3rd Pak-Turk International Conference ETSE2020 , res.country(177,)

Citations: N/A

DOI: https://iopscience.iop.org/article/10.1088/1757-899X/899/1/012002/meta#references

Structural Design of A UAV Wing using Finite Element Method   2010

Farrukh Mazhar Abdul Munem Khan

AIAA/ASME/ASCE/AHS/ASC , res.country(233,)

Citations: N/A

DOI: 10.2514/6.2010-3099

Development of a Computer Based Learning Tool for understanding Aircraft Structures   2007

Farrukh Mazhar Abdul Munem Khan Irfan Aziz

12-th International Conference on Aerospace Sciences & Aviation Technology, res.country(65,)

Citations: N/A

DOI: Nil

Development of a software using Visual Basic for learning Aerospace Structures Theory   2006

Farrukh Mazhar Abdul Munem Khan irfan aziz Omar Bashir

10h national aeronautical conference risalpur, res.country(177,)

Citations: N/A

DOI: Nil

Conference Proceedings

An overview of methods for investigation of aeroelastic response on high aspect ratio fixed-winged aircraft

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3rd Pak-Turk International Conference ETSE2020 , res.country(177,)

Citations: N/A

DOI: https://iopscience.iop.org/article/10.1088/1757-899X/899/1/012002/meta#references