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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-5896-2918

Yoksis Researcher ID: 151894

Education Information

I. Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Uçak-Uzay Mühendisliği, Turkey 2008 - 2014
II. Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Uçak-Uzay Mühendisliği, Turkey 2005 - 2008
III. Undergraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Uçak Mühendisliği, Turkey 2001 - 2005

Foreign Languages

I. English, C1 Advanced

Dissertations

I. Doctorate, An ale approach for the numerical simulation of insect flight, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2014
II. Postgraduate, Design and performance analysis of a mini unmanned coaxial helicopter, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2008

Research Areas

Aeronautical Engineering , Aerodynamics, Performance, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

I. Assistant Professor, Kocaeli University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2016 - Continues
II. Research Assistant, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Uçak Mühendisliği, 2005 - 2014

Academic and Administrative Experience

I. Mevlana Exchange Program Coordinator, Kocaeli University, Havacılık ve Uzay Bilimleri Fakültesi, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **The numerical investigation of Lagrangian and Eulerian coherent structures for the near wake structure of a hovering Drosophila**
Dilek E., ERZİNCANLI B., Şahin M.
THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS, vol.33, pp.255-279, 2019 (SCI-Expanded)

II. **The numerical simulation of the wing kinematics effects on near wake topology and aerodynamic performance in hovering Drosophila flight**
Erzincanli B., Şahin M.
COMPUTERS & FLUIDS, vol.122, pp.90-110, 2015 (SCI-Expanded)

III. **An arbitrary Lagrangian-Eulerian formulation for solving moving boundary problems with large displacements and rotations**
Erzincanli B., Şahin M.
JOURNAL OF COMPUTATIONAL PHYSICS, vol.255, pp.660-679, 2013 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **The Numerical Simulation Of The WingKinematic Effects On Near Wake Structure In Hovering Drosophila Flight**
Erzincanlı B., Dilek E., Şahin M.
The Engineering Mechanics Institute Conference (EMI 2017), California, United States Of America, 5 - 07 June 2017

II. **A Numerical Investigation of Two-Different Drosophila Forward Flight Modes**
Şahin M., Dilek E., Erzincanlı B.
69th Annual Meeting of the APS Division of Fluid Dynamics, Oregon, United States Of America, 20 - 22 November 2016

III. **An Integrated Numerical Simulation of a Wing-Body Combination for Drosophila Flight**
Şahin M., Dilek E., Erzincanlı B.
ECCOMAS 2016, Hania, Greece, 5 - 10 June 2016

IV. **An Integrated Simulation of a Wing-Body Combination for a Hovering Drosophila**
ŞAHİN M., DİLEK E., ERZİNCANLI B.
68th Annual Meeting of the APS Division of Fluid Dynamics, 22 - 24 November 2015

V. **The Numerical Simulation Of The Wing KinematicsEffects On Aerodynamic Performance In Hovering Drosophila Flight**
Erzincanlı B., Şahin M.
The European Numerical Mathematics And Advanced Applications (ENUMATH) Conference, Ankara, Turkey, 14 - 18 September 2015

VI. **The Direct Numerical Simulation Of The Near Wake Structure Around A Hovering Drosophila Flight**
DİLEK E., ERZİNCANLI B., ŞAHİN M.
8th Ankara International Aerospace Conference, 10 - 12 September 2015

VII. **The Numerical Investigation Of The Eulerian And Langrangian Coherent Structures For Hovering Drosophila Flight**
ERZİNCANLI B., ŞAHİN M.
21st Annual Conference Of The Cfd Society Of Canada, 6 - 09 May 2013

VIII. **Numerical Simulation of Drosophila Flight Based on Arbitrary Langrangian-Eulerian Method**
ERZİNCANLI B., ŞAHİN M.
65th Annual Meeting of the APS Division of Fluid Dynamics, 18 - 20 November 2012

IX. **Ale Approach For The Numerical Simulation Of Drosophila Flight**
ERZİNCANLI B., ŞAHİN M.
6th European Congress On ComputationalMethods In Applied Sciences And Engineering, 10 - 14 September 2012

X. **A stable unstructured finite volume method with arbitrary Lagrangian-Eulerian formulation for the numerical simulation of insect flight**
Erzincanli B., Şahin M.
41st AIAA Fluid Dynamics Conference and Exhibit 2011, Honolulu, HI, United States Of America, 27 - 30 June 2011

XI. **Ablative Material Testing In VKI Plasmatron Facility**
ERZİNCANLI B., ASMA C. O., CHAZOT O.
10th AIAA/ASME Joint Thermophysics And HeatTransfer Conference, 28 June - 01 July 2010

XII. **Design And Performance Analysis Of A Mini Unmanned Coaxial Helicopter**
ERZİNCANLI B., ASLAN A. R.
4th Ankara International Aerospace Conference, 10 - 12 September 2007

Scientific Refereeing

I. Journal of aviation, Other Indexed Journal, March 2021

Tasks In Event Organizations

I. Erzincanlı B., Tübitak Uluslararası İnsansız Hava Araçları Yarışması, Social Activities, Turkey, Eylül 2021

Mobility Activity

I. Post Doc, Post Doc, Rice University, United States Of America, 2018 - 2019
II. Bilateral Colloboration Agreement, Scientific Research, Von Karman Institute, Belgium, 2008 - 2009

Metrics

Publication: 15
Citation (WoS): 25
Citation (Scopus): 32
H-Index (WoS): 2
H-Index (Scopus): 3

Invited Talks

I. Engineering Mechananics Institute, Conference, Engineering Mechananics Institute, United States Of America, June 2017

Coaching Duties

Refereeing Duties