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International Researcher IDs

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Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), Turkey 2004 - 2010

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (YI) (Tezli), Turkey 2000 - 2004

Undergraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, Makine Mühendisliği Bölümü, Turkey 1996 - 2000

Dissertations

Doctorate, Bloklü yüzeylerde akış ve ısı transferi karakteristiklerinin incelenmesi, 2010

Postgraduate, Termik ve hidrodinamik sınır tabaka akışlarının incelenmesi, Bursa Uludağ University, 2004

Research Areas

Mechanical Engineering

Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2020 - Continues

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2002 - Continues

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2014 - 2021

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2014 - 2020

Advising Theses

YEMENİCİ O., Decreasing casting numerical analysis of wind loads on solar panels, Postgraduate, M.Osman(Student), 2019

YEMENİCİ O., Effects of non-Newtonian fluids on centrifugal pump performance, Postgraduate, M.Dönmez(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Estimation of the performance of different pumps using non-Newtonian fluids in various operating conditions with artificial neural network**
YEMENİCİ O., DÖNMEZ M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.49, no.11, pp.14607-14623, 2024 (SCI-Expanded)
- II. **Experimental evaluation of wind loads on a ground-mounted solar panel of various ground clearances and Reynolds numbers**
YEMENİCİ O.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.46, no.4, 2021 (SCI-Expanded)
- III. **Experimental and numerical investigation of the effect of horseshoe vortex legs on heat characteristics of the downstream region of a circular cylinder-wall junction**
Firatoglu Z. A., Yemenici O., UMUR H.
International Journal of Heat and Mass Transfer, vol.180, 2021 (SCI-Expanded)
- IV. **An experimental and numerical study of wind effects on a ground-mounted solar panel at different panel tilt angles and wind directions**
YEMENİCİ O., Aksoy M. O.
JOURNAL OF WIND ENGINEERING AND INDUSTRIAL AERODYNAMICS, vol.213, 2021 (SCI-Expanded)
- V. **Experimental study of aerodynamic loads on ground-mounted solar panel arrays: The panel spacing and inclination angle effect**
YEMENİCİ O.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.234, no.17, pp.3380-3396, 2020 (SCI-Expanded)
- VI. **Flow and heat transfer characteristics over rectangular blocked surfaces**
Umur H., Yemenici O., Umur Y., Sakin A.
EXPERIMENTAL HEAT TRANSFER, vol.30, no.3, pp.192-204, 2017 (SCI-Expanded)
- VII. **Experimental Aspects of Heat Transfer Enhancement over Various Flow Surfaces**
YEMENİCİ O., UMUR H.
HEAT TRANSFER ENGINEERING, vol.37, no.5, pp.435-442, 2016 (SCI-Expanded)
- VIII. **Aerodynamic Analysis of a Passenger Car at Yaw Angle and Two-Vehicle Platoon**
Altinisik A., YEMENİCİ O., UMUR H.
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.137, no.12, 2015 (SCI-Expanded)
- IX. **Transitional boundary layer flow and heat transfer over blocked surfaces with influence of free stream velocity and block height**
Yemenici O., Firatoglu Z. A.
HEAT AND MASS TRANSFER, vol.49, no.11, pp.1637-1646, 2013 (SCI-Expanded)
- X. **An analysis of flow and heat transfer in separated flows over blocked surface**
Yemenici O., Firatoglu Z. A.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.227, no.C3, pp.481-491, 2013 (SCI-Expanded)
- XI. **An experimental investigation of flow and heat transfer characteristics over blocked surfaces in laminar and turbulent flows**
Yemenici O., Firatoglu Z. A., Umur H.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.55, no.13-14, pp.3641-3649, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Numerical investigation of the thermal effect of wall coating in road tunnel fire**
Yemenici O., B.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.4, pp.1282-1288, 2023 (Peer-Reviewed Journal)

- II. **Numerical investigation of aerodynamic of a car with various vortex generators**
Yemenici O., kasap h.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.2, pp.581-587, 2023 (Peer-Reviewed Journal)
- III. **Aerodynamic mechanisms on a ground-mounted solar panel at different wind directions**
YEMENİCİ O.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, 2020 (Peer-Reviewed Journal)
- IV. **A numerical study on centrifugal pump performance with the influence of non-Newtonian fluids**
DÖNMEZ M., YEMENİCİ O.
International Journal Of Sciences, 2019 (Peer-Reviewed Journal)
- V. **Fotovoltaik panel karakteristiklerini hesaplayan desktop tabanlı bir yazılım geliştirilmesi ve Şanlıurfa ili için örnekleme çalışması**
FIRATOĞLU Z. A., İŞİKER Y., YEMENİCİ O., YEŞİLATA B.
Harran Üniversitesi Mühendislik Dergisi, 2018 (Peer-Reviewed Journal)
- VI. **An experimental investigation of the flow over an automobile side rear view mirror**
YEMENİCİ O.
International Journal of Mechanical And Production Engineering, 2017 (Peer-Reviewed Journal)
- VII. **Effects of plastic material on cooling time in plastic injection molding**
YEMENİCİ O., GÜNEY A. A.
International Journal of Mechanical and Production Engineering, 2017 (Peer-Reviewed Journal)
- VIII. **An analysis of cooling time in plastic injection moulding with influence of inlet temperature of cooling fluid**
YEMENİCİ O., GÜNEY A. A.
International Journal Of Mechanical and Production Engineering, 2016 (Peer-Reviewed Journal)
- IX. **Heat transfer enhancement using concave and ribbed surfaces in laminar flows**
YEMENİCİ O.
International Journal of Advances in Mechanical and Civil Engineering, 2015 (Peer-Reviewed Journal)
- X. **Bloklu yüzey üzerinde ayrılmış akışın incelenmesi**
YEMENİCİ O., FIRATOĞLU Z. A.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, 2013 (Peer-Reviewed Journal)
- XI. **Türbülanslı akışta ısı transferinin bloklu yüzeyler ile artırılması**
YEMENİCİ O., FIRATOĞLU Z. A.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, 2013 (Peer-Reviewed Journal)
- XII. **Numerical investigation of laminar and turbulent flows over ribbed surfaces**
YEMENİCİ O., SAKİN A.
INTERNATIONAL JOURNAL OF ADVANCES IN ENGINEERING TECHNOLOGY, 2013 (Peer-Reviewed Journal)
- XIII. **Numerical investigation of heat transfer for laminar and turbulent flow over ribbed walls**
YEMENİCİ O., SAKİN A.
INTERNATIONAL JOURNAL OF ENGINEERING AND ADVANCED TECHNOLOGY, 2013 (Peer-Reviewed Journal)
- XIV. **Experimental investigation of the flow field around NACA0012 airfoil**
YEMENİCİ O.
INTERNATIONAL JOURNAL OF SCIENCES, 2013 (Peer-Reviewed Journal)
- XV. **Pressure measurements of the flow over a rearview side mirror**
YEMENİCİ O.
INTERNATIONAL JOURNAL OF SCIENCES, 2013 (Peer-Reviewed Journal)
- XVI. **Thermal characteristics of turbulent flows under the effects of rib curvature and Reynolds number**
YEMENİCİ O., UMUR H.
INTERNATIONAL JOURNAL OF ADVANCES IN ENGINEERING TECHNOLOGY, 2013 (Peer-Reviewed Journal)
- XVII. **Velocity turbulent intensity and pressure measurements in turbulent separated and curved flows**
YEMENİCİ O., UMUR H.
INTERNATIONAL JOURNAL OF ENGINEERING AND ADVANCED TECHNOLOGY, 2013 (Peer-Reviewed Journal)

- XVIII. **Heat transfer analysis of laminar flows over concave convex and ribbed surfaces**
YEMENİCİ O., UMUR H.
INTERNATIONAL JOURNAL ON HEAT AND MASS TRANSFER – THEORY AND APPLICATIONS, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **DOĞAL HAVALANDIRMALI BİR YOL TÜNELİ YANGININDA DUVAR KAPLAMASI ETKİSİNİN SAYISAL OLARAK İNCELENMESİ**
KÜÇÜK B., YEMENİCİ O.
2. INTERNATIONAL HASANKEYF SCIENTIFIC STUDIES AND INNOVATION CONGRESS, 25 June 2022
- II. **Numerical investigation of aerodynamic characteristics of a passenger car with different vortex generators**
Yemenici O., Kasap H.
Mediterranean International Conference on Research in Applied Sciences, Antalya, Turkey, 22 - 24 April 2022, pp.156
- III. **Yüzey geometrisinin enerji verimliliğine etkisi**
YEMENİCİ O., FIRATOĞLU Z. A., UMUR H.
GAPYENEV, Turkey, 10 - 12 May 2018
- IV. **Düzlemsel vakum tüplü bir termal kolektörün tasarımı**
MEYVACI D., İZOL S., FIRATOĞLU Z. A., İLKHAN M. A., YEMENİCİ O.
GAPYENEV, Turkey, 10 - 12 May 2018
- V. **Çalışma basıncının fan tipi bir sulama memesinin performansına etkisinin nümerik araştırılması**
CAN A., MEYVACI D., FIRATOĞLU Z. A., YEMENİCİ O., UMUR H.
GAPYENEV, Turkey, 10 - 12 May 2018
- VI. **Numerical study of wind loads on a solar panel at different inclination angles**
YEMENİCİ O., AKSOY M. O.
9th International Conference on Mechanical and Aerospace Engineering, 10 - 13 July 2018
- VII. **An experimental investigation of the flow over an automobile side rear view mirror**
YEMENİCİ O.
International Conference on Recent Innovations in Engineering and Technology, 21 - 22 July 2017
- VIII. **Effects of plastic material on cooling time in plastic injection molding**
YEMENİCİ O., GÜNEY A. A.
International Academic Conference on Development in Science and Technology, 21 - 22 May 2017
- IX. **An analysis of cooling time in plastic injection moulding with influence of inlet temperature of cooling fluid**
YEMENİCİ O., GÜNEY A. A.
International Conference on Recent Innovations in Engineering and Technology, 13 April 2016
- X. **Heat transfer enhancement using concave and ribbed surfaces in laminar flows**
YEMENİCİ O.
International Conference on Recent Innovations in Engineering and Technology, 23 October 2015
- XI. **Gerçek Araç modeli üzerinde deneysel ve sayısal aerodinamik analizler**
ALTINIŞIK A., KÜÇÜKÇEKEN E., YEMENİCİ O., UMUR H.
7. Otomotiv Teknolojileri Kongresi, Turkey, 26 - 27 May 2014
- XII. **An experimental study on the aerodynamics of a symmetrical airfoil with influence of Reynolds number and attack angle**
YEMENİCİ O.
2nd International Conference on Research in Science, Engineering and Technology, 21 - 22 March 2014
- XIII. **Concave surface velocity and heat transfer measurements in accelerating and decelerating boundary layers**

ÖZALP A. A., YEMENİCİ O., UMUR H.

1st Int. Exergy, Energy and Environment Symposium, 13 - 17 July 2003

Metrics

Publication: 45

Citation (WoS): 83

Citation (Scopus): 104

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H-Index (Scopus): 5