

Res. Asst. MEHMET SEYHAN

Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2016 - Continues

Post Graduate, Niğde Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2013 - 2015

Under Graduate, Niğde Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2008 - 2013

Dissertations

Post Graduate, BUJİ PLAZMA SENTETİK JET AKTÜATÖRÜNÜN PEM YAKIT PİLİ PERFORMANSI ÜZERİNE ETKİSİNİN İNCELENMESİ, Niğde Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2015

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Hydrogen Technologies and Fuel Cells , Wind power, Aeronautical and Space Engineering, Aeronautical Engineering , Flight Sciences, Aerodynamics, Engineering and Technology

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **The effect of a novel spark-plug plasma synthetic jet actuator on the performance of a PEM fuel cell**
SEYHAN M., Akansu Y. E.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.140, pp.147-151, 2019 (Journal Indexed in SCI)
- II. **EFFECT OF SIGNAL MODULATION OF DBD PLASMA ACTUATOR ON FLOW CONTROL AROUND NACA 0015**
Guler A. A. , SEYHAN M., Akansu Y. E.
ISI BİLİMİ VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.38, pp.95-105, 2018
(Journal Indexed in SCI)
- III. **Performance prediction of PEM fuel cell with wavy serpentine flow channel by using artificial neural network**
SEYHAN M., AKANSU Y. E. , Murat M., KORKMAZ Y., AKANSU S. O.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, pp.25619-25629, 2017 (Journal Indexed in SCI)
- IV. **THE IMPROVEMENT OF DRAG FORCE ON A TRUCK TRAILER VEHICLE BY PASSIVE FLOW CONTROL METHODS**
AKANSU Y. E. , BAYINDIRLI C., SEYHAN M.
ISI BİLİMİ VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.36, pp.133-141, 2016
(Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Effect of Attack Angle on Flow around A Square Prism with A Splitter Plate**
SEYHAN M., SARIOĞLU M., AKANSU Y. A.
Uludağ University Journal of The Faculty of Engineering, vol.23, no.2, pp.233-240, 2018 (National Refreed University Journal)
- II. **Drag Force Estimation of a Truck Trailer Model Using Artificial Neural Network**
SARIOĞLU M., SEYHAN M., AKANSU Y. E.
INTERNATIONAL JOURNAL OF AUTOMOTİVE ENĐNEERİNG AND TECHNOLOGİES, vol.5, no.4, pp.155-167, 2016 (Refereed Journals of Other Institutions)
- III. **Aerodynamic Drag Force Estimation of a Truck Trailer Model Using Artificial Neural Network**
SARIOĞLU M., SEYHAN M., AKANSU Y. E.
INTERNATIONAL JOURNAL OF AUTOMOTİVE ENĐNEERİNG AND TECHNOLOGİES, vol.5, no.4, pp.168-175, 2016 (Other Refereed National Journals)
- IV. **Aerodynamic forces acting on a circular cylinder with splitter plate at incidence**
SARIOĞLU M., SEYHAN M., AKANSU Y. E.
KSU Journal of Engineering Sciences, vol.19, pp.1-6, 2016 (National Refreed University Journal)
- V. **The passive flow control around a truck-trailer model**
OZEL M., AYGUN E., AKANSU Y. E. , BAYINDIRLI C., SEYHAN M.
INTERNATIONAL JOURNAL OF AUTOMOTİVE ENĐNEERİNG AND TECHNOLOGİES, vol.4, no.4, pp.185-192, 2015 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **DESIGN AND EXPERIMENTAL INVESTIGATION OF BIO-INSPIRED SPOILER FOR TRUCK-TRAILER**
KESAT T. M. , SARIOĞLU M., SEYHAN M.
The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia/TURKEY (IMSMATEC'19), Nevşehir, Turkey, 21 - 23 June 2019, pp.531-534
- II. **INVESTIGATION OF LEADING EDGE TUBERCLES ON NACA 0015 AIRFOIL**
SEYHAN M., SARIOĞLU M., AKANSU Y. A.
1 st International Conference on Advances in Mechanical and Mechatronics Engineering, Ankara, Turkey, 8 - 09 November 2018, pp.413-416
- III. **INVESTIGATION OF HALF NACA 0018 AIRFOIL ON TRUCK-TRAILER**
SARIOĞLU M., SEYHAN M., AKANSU Y. A.
1 st International Conference on Advances in Mechanical and Mechatronics Engineering, Ankara, Turkey, 8 - 09 November 2018, vol.1, no.1, pp.499-503
- IV. **HEAT TRANSFER CHARACTEHERISTICS OF A SYNTHETIC JET ACTUATOR WITH VARIED DRIVEN SIGNAL TYPE**
KOCABIYIK O., AKBIYIK H., SEYHAN M., SARIOĞLU M., AKANSU Y. A.
1 st International Conference on Advances in Mechanical and Mechatronics Engineering, Ankara, Turkey, 8 - 09 November 2018, pp.476-479
- V. **DRAG REDUCTION OF TRUCK-TRAILER USING HALF OF NACA 0006 AIRFOIL**
SARIOĞLU M., SEYHAN M., AKANSU Y. A.
OTEKON 2018 ULUSLARARASI 9. OTOMOTİV TEKNOLOJİLERİ KONGRESİ, Bursa, Turkey, 7 - 08 May 2018, pp.714-719
- VI. **Effect of Synthetic Jet with Duty Cycle over Heat Transfer Enhancement**
SEYHAN M., AKBIYIK H., SARIOĞLU M., ERDURCAN E. F. , AKANSU Y. E.
Proceedings of the 3rd World Congress on Momentum, Heat and Mass Transfer (MHMT'18), Budapest, Hungary, 12 - 14 April 2018
- VII. **FLOW AROUND A SQUARE CYLINDER WITH WAVY SPLITTER PLATE PLACED UPSTREAM**
SEYHAN M., SARIOĞLU M., AKANSU Y. E.
9th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Turkey, 20 - 22 September 2017, pp.1-8

- VIII. **Flow Control around a NACA 0015 Airfoil with DBD Plasma Actuator Placed at an Angle to Chord Direction as a Vortex Generator**
GÜNAYDIN R., AKANSU Y. E. , AKBIYIK H., SEYHAN M.
9th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Turkey, 20 - 22 September 2017, pp.1-7
- IX. **Investigation of Flow Characteristics of Synthetic Jet Driven by Duty Cycle Signal**
AKANSU Y. E. , SARIOĞLU M., SEYHAN M., AKBIYIK H.
10th International Conference on Sustainable Energy & Environmental Protection, Bled, Slovenia, 27 June - 30 July 2017, vol.1, no.1, pp.345-354
- X. **Investigation of flow characteristics of synthetic jet driven by duty cycle signal**
AKANSU Y. E. , SARIOĞLU M., SEYHAN M., AKBIYIK H.
10th International Conference on Sustainable Energy and Environmental Protection, Bled, Slovenia, 27 - 30 June 2017, pp.345-354
- XI. **Aerodynamic Force Estimation of A NACA 0015 Airfoil with DBD Plasma Actuator Using Artificial Neural Network**
AKBIYIK H., SEYHAN M., AKANSU Y. E. , YAVUZ H., SARIOĞLU M.
3 rd INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, Konya, Turkey, 24 - 26 May 2017, pp.1
- XII. **Vortex Shedding Frequency Estimation of a Circular Cylinder with Splitter Plate at Incidence Using Artificial Neural Network**
SEYHAN M., SARIOĞLU M., AKANSU Y. E. , AKBIYIK H.
3 rd INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, Konya, Turkey, 24 - 26 May 2017, pp.1
- XIII. **Effect of Length of the Wavy Shaped Splitter Plate on Flow around a Circular Cylinder**
SARIOĞLU M., SEYHAN M., AKANSU Y. E.
8th International Exergy, Energy and Environment Symposium (IEEES-8), Antalya, Turkey, 1 - 04 May 2016, pp.589-592
- XIV. **Effect of length of the wavy shaped splitter plate on flow around a circular cylinder**
SARIOĞLU M., SEYHAN M., AKANSU Y. E.
IEEES8 - 8th International Exergy, Energy and Environmental Symposium, Antalya, Turkey, 1 - 04 May 2016, pp.1-4
- XV. **Effect of the duty cycle on the spark-plug plasma synthetic jet actuator**
SEYHAN M., Akansu Y. E. , Karakaya F., Yesildag C., AKBIYIK H.
10th Anniversary International Conference on Experimental Fluid Mechanics, Prague, Czech Republic, 17 - 20 November 2015, vol.114
- XVI. **Effect of the Duty Cycle on the Spark-Plug Plasma Synthetic Jet Actuator**
SEYHAN M., AKANSU Y. E. , Karakaya F., Yesildag C., AKBIYIK H.
Experimental fluid mechanics, Prague, Czech Republic, 17 - 20 November 2015
- XVII. **Effect of the wavy shaped splitter plate on flow around a circular cylinder**
SARIOĞLU M., SEYHAN M., AKANSU Y. E.
13th International Conference on Fluid Control, Measurements and Visualization, Doha, Qatar, 15 - 18 November 2015
- XVIII. **Development of Novel Plasma Synthetic Jet Actuator Based on Spark-Plug**
SEYHAN M., AKANSU Y. E. , Karakaya F., Ay F.
13th International Conference on Fluid Control, Measurements and Visualization, Doha, Qatar, 15 - 18 November 2015

Supported Projects

TUBITAK Project, PEM Yakıt Pillerinde Plazma Sentetik Jet Kullanılarak Yakıt Pili Performansının İyileştirilmesi, 2014 - 2016

Citations

Total Citations (WOS):25

h-index (WOS):3