

Res. Asst. PhD ÖZGE YETİK

Personal Information

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Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2013 - 2018

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 2011 - 2013

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 2004 - 2007

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2003 - 2007

Dissertations

Doctorate, Serbest yüzey yakınına yerleştirilmiş silindirler etrafında akış ve ısı geçişinin incelenmesi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2018

Postgraduate, Kare kesitli iki silindir etrafında akış ve ısı geçişi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 2013

Research Areas

Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Makina Müh.Bölümü, 2018 - Continues

Research Assistant, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Makina Müh.Bölümü, 2011 - 2018

Research Assistant, Dumlupınar Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2009 - 2011

Courses

MEKANİK TESİSAT TASARIMI ARAŞTIRMALARI(A), Undergraduate, 2019 - 2020, 2020 - 2021

AKIŞKANLAR MEKANİĞİ, Undergraduate, 2020 - 2021

MEKANİK TESİSAT TASARIMI ARAŞTIRMALARI(A), Undergraduate, 2019 - 2020, 2020 - 2021

AKIŞKANLAR MEKANİĞİ, Undergraduate, 2018 - 2019

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

- I. **Estimation of thermal effect of different busbars materials on prismatic Li-ion batteries based on artificial neural networks**
YETİK Ö., Karakoc T. H.
Journal of Energy Storage, vol.38, 2021 (Journal Indexed in SCI Expanded)
- II. **Hybrid Battery Management System Design for Electric Aircraft**
Tarhan B., Yetik Ö., Karakoç T. H.
Energy, vol.1, pp.1-19, 2021 (Journal Indexed in SCI)
- III. **Computational modeling of a lithium-ion battery thermal management system with Al₂O₃-based nanofluids**
YETİK Ö., Yilmaz N., Karakoc T. H.
International Journal of Energy Research, 2021 (Journal Indexed in SCI Expanded)
- IV. **Thermal management system with nanofluids for hybrid electric aircraft battery**
Yetik O., Karakoc T. H.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, 2021 (Journal Indexed in SCI)
- V. **Flow structure around two tandem square cylinders close to a free surface**
YETİK Ö., MAHİR N.
OCEAN ENGINEERING, vol.214, 2020 (Journal Indexed in SCI)
- VI. **Thermal and electrical effects of busbars on Li-Ion batteries**
YETİK Ö.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, no.11, pp.8480-8491, 2020 (Journal Indexed in SCI)
- VII. **A numerical study on the thermal performance of prismatic li-ion batteries for hibrid electric aircraft**
YETİK Ö., Karakoc T. H.
ENERGY, vol.195, 2020 (Journal Indexed in SCI)
- VIII. **FLOW AND FORCED HEAT TRANSFER FROM TANDEM SQUARE CYLINDERS NEAR A WALL**
YETİK Ö., MAHİR N.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.40, no.1, pp.99-112, 2020 (Journal Indexed in SCI)
- IX. **ANN Modeling of an ORC-Binary Geothermal Power Plant: Simav Case Study**
Arslan O., Yetik Ö.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.36, no.4, pp.418-428, 2014 (Journal Indexed in SCI)
- X. **ANN based optimization of supercritical ORC-Binary geothermal power plant: Simav case study**
Arslan O., Yetik Ö.
APPLIED THERMAL ENGINEERING, vol.31, pp.3922-3928, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Modeling of Heat Transfer Around a Square and a Circle: A Novel ANN-Based Approach**
Yetik Ö.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.11, no.2, pp.1-14, 2021 (National Refreed University Journal)
- II. **An Investigation of Electrical Energy Capacity of Cylindrical Lithium Ion and Lithium Iron Phosphate Battery Cells for Hybrid Aircrafts**
Yetik Ö., Tarhan B., Karakoç T. H.
SAE International Journal of Aerospace, vol.13, no.2, 2020 (Journal Indexed in ESCI)
- III. **Three-Dimensional Thermal Study on Lithium-Ion Batteries in a Hybrid Aircraft: Numerical and Experimental Investigations**
Yetik Ö., Karakoç T. H.
SAE International Journal of Aerospace, vol.13, no.2, pp.1-11, 2020 (Journal Indexed in ESCI)

- IV. **Numerical Investigation of Heat Transfer of Nanofluid Flow Past Two Cylinder in Tandem Arrangements**
YETİK Ö.
International Journal of Advancements in Mechanical and Aeronautical Engineering, vol.3, no.1, pp.51-55, 2016
(Refereed Journals of Other Institutions)
- V. **Duvar yakınlardaki kare kesitli iki silindir etrafındaki akisin incelenmesi ve isi gecisinnin ANN ile tahmini**
YETİK Ö., MAHİR N.
Social GAU Journal Applied Sciences, vol.6, no.10, pp.22-34, 2014 (Refereed Journals of Other Institutions)
- VI. **Türkiyedeki Termik Santrallerin Etkinlik Analizi:Paremtrik Ve Paremetrik Olmayan Yaklaşımlar**
KÖSE R., YETİK Ö., ÖZGÜR M. A. , ARSLAN O.
Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2011 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Designing Of Battery Management System For Lithium Based Battery Packs Using At Electric Aircraft**
TARHAN B., YETİK Ö., KARAKOÇ T. H.
ISSA 2020, 9 - 12 November 2020
- II. **Cooling Performance of Nanofluids for Battery Thermal Management**
YETİK Ö., KARAKOÇ T. H.
ISEAS, 21 - 22 September 2020
- III. **Thermal Analysis of Parallel Connected Li-Ion Batteries for Hybrid Aircraft**
YETİK Ö., KARAKOÇ T. H. , YILMAZ N.
WCX SAE World Congress Experience, 21 - 23 April 2020
- IV. **Thermal Analysis of Li-Ion Batteries With Cathode LIMN2O4 For Hibrit Aircraft**
YETİK Ö., KARAKOÇ T. H.
ISSA 2019, 26 - 29 May 2019
- V. **The Numerical and Experimental Analysis of Thermal Modeling Of Li-Ion Batteries Used In Hybrid Aircraft**
YETİK Ö., TARHAN B., KARAKOÇ T. H.
ISSA2019, 26 - 29 May 2019
- VI. **Examination of Lithium Ion and Lithium Iron Phosphate Thermal Management**
TARHAN B., YETİK Ö., KARAKOÇ T. H.
WESCE 2019, 26 - 28 August 2019
- VII. **Study on The Electrical Energy of Cylindrical Battery Cells For Hibrit Aircraft**
TARHAN B., APAYDIN K. K. , YETİK Ö., KARAKOÇ T. H.
ISSA2019, 26 - 29 May 2019
- VIII. **Flow and Heat Transfer From Two Tandem Square Cylinders In A Uniform Flow Field**
YETİK Ö., MAHİR N.
ISMS 2019, 13 - 15 June 2019
- IX. **Düz bir plaka yakınındaki kare kesitli silindir etrafında akış**
MAHİR N., YETİK Ö.
ULIBTK'15 20. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 02 September 2015
- X. **Numerical Investigation of Heat Transfer of Nanofluid Flow Past Two Cylinder in Tandem Arrangement**
YETİK Ö.
AMRE 2015, 10 - 12 October 2015
- XI. **ANN Based Prediction of Flow and Heat Transfer Between Two Tandem Square Cylinders Near The Wall**
YETİK Ö., MAHİR N.

ISEAIA 2014, 5 - 07 November 2014

- XII. **Duvaryakınındaki kare kesitli iki silindir etrafında akışın incelenmesi ve ısı geçişinin Ann ile tahmini, International Symposium on Engineering, Artificial Intelligence and Applications, Girne American University, North Cyprus, 6-8 November, 2013**

Yetik Ö., Mahir N.

International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 6 - 08 November 2013

- XIII. **Ann based optimization of a solar assisted hybrid cooling system in Turkey**

ÖZGÜR M. A. , YETİK Ö., ARSLAN O.

IGEC VI, 5 - 07 June 2011

Scientific Refereeing

ENERGY, SCI Journal, April 2021

INTERNATIONAL JOURNAL OF GREEN ENERGY, SCI Journal, April 2021

ENERGY, SCI Journal, April 2021

International Journal of sustainable aviation, Journal Indexed in ESCI, March 2021

ENERGY, SCI Journal, March 2021

ENERGY, SCI Journal, March 2021

ENERGY, SCI Journal, February 2021

International Journal of Sustainable Aviation, Journal Indexed in ESCI, February 2021

SAE International Journal of Aerospace, Journal Indexed in ESCI, December 2020

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Journal Indexed in SSCI, November 2020

SAE International Journal of Aerospace, Journal Indexed in ESCI, November 2020

International Journal of Sustainable Aviation, Journal Indexed in ESCI, October 2020

SAE International Journal of Aerospace, Journal Indexed in ESCI, October 2020

International Journal of Sustainable Aviation, Journal Indexed in ESCI, September 2020

SAE International Journal of Aerospace, Journal Indexed in ESCI, September 2020

International Journal of Sustainable Aviation, Journal Indexed in ESCI, September 2020

ENERGY, SCI Journal, August 2020

ENERGY, SCI Journal, August 2020

International Journal of Sustainable Aviation, Journal Indexed in ESCI, August 2020

Citations

Total Citations (WOS):82

h-index (WOS):3

Awards

Yetik Ö., Yayın Teşvik Ödülü, Tübitak, December 2020

Yetik Ö., 2020 Eşik üstü ödülü, Tübitak, June 2020