

Res. Asst. ARİF EMRE AKTAŞ

Personal Information

Email: aeaktas@cu.edu.tr

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, Turkey 2017 - Continues

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, Turkey 2014 - Continues

Undergraduate, Cukurova University, Mühendislik Mimarlık, Otomotiv Mühendisliği, Turkey 2009 - 2014

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Thermodynamic simulation of transcritical organic rankine vapor compression refrigeration system using low GWP refrigerants, Cukurova University, 2017

Research Areas

Mechanical Engineering, Energy, Alternative Energy Resources, Thermodynamics, Heating, Refrigerating and Air Conditioning, Internal Combustion Engines, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Numerical investigation of flow and heat transfer in axially-finned in-line tube banks**
Nasif Kuru M., YILMAZ A., AKTAŞ A. E., Erdinc M. T.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2020 (SCI-Expanded)

Articles Published in Other Journals

- Development of a prototype hydrogen vehicle**
Yakaryılmaz A. C., Yildizhan Ş., Aktaş A. E., Baş O., Tosun E., Özgür T., Aydın K.
International Journal of Automotive Engineering and Technologies, vol.9, no.4, pp.190-195, 2020 (Peer-Reviewed Journal)

- II. **Simulation of LiBr-Water Absorption Refrigeration Cycle Cooling Performance at Various Conditions**
Erdoğan M. T., Aktaş A. E., Yılmaz A.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.1, pp.211-220, 2020 (Peer-Reviewed Journal)
- III. **Thermodynamic Analysis of an Intercity Bus Air-Conditioning System Working with HCFC, HFC, CFC and HC Refrigerants**
BİLGİLİ M., Çardağ E., AKTAŞ A. E., EKİNCİ F.
International Journal of Automotive Engineering and Technologies, vol.8, no.1, pp.29-43, 2019 (Peer-Reviewed Journal)
- IV. **Thermodynamic Analysis of Bus Air Conditioner Working with Refrigerant R600a**
BİLGİLİ M., ÇARDAĞ E., AKTAŞ A. E.
European Mechanical Science, vol.1, no.2, pp.69-75, 2017 (Peer-Reviewed Journal)
- V. **Environmental, Economic and Technical Status of Fuel Cell Technology**
AKTAŞ A. E., YAŞAR A.
International Journal of Natural and Engineering Sciences, vol.11, no.1, pp.46-51, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Analytical and numerical investigation of a refrigeration cycle integrated with an other cycle for subcooling**
YILMAZ A., AKTAŞ A. E., ERDİNÇ M. T., YILMAZ T.
International Advanced Researches Engineering Congress-2017, 16 - 18 November 2017
- II. **A novel air-conditioning system for minimizing defrost in electrical vehicle heat pumps**
YILMAZ T., YILMAZ A., ERDİNÇ M. T., AKTAŞ A. E.
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- III. **Exergy Analysis of an Intercity Bus Air-Conditioning System Working with HCFC, HFC, CFC and HC (Hydrocarbon) Refrigerants**
BİLGİLİ M., ÇARDAĞ E., AKTAŞ A. E., EKİNCİ F.
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- IV. **Effect of Heat Source on System Performance of Organic Rankine Cycle Coupled Vapor Compression Cycle Activated by Engine Exhaust Waste Heat**
AKTAŞ A. E., YILMAZ A.
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- V. **Cooling Performance Analyses of Ejector Refrigeration Systems for Vehicle Air Conditioning**
YILMAZ A., AKTAŞ A. E.
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- VI. **Design of VTOL Unmanned Air Vehicle with Fixed Wing**
AYDIN K., KEİYİNCİ S., AKTAŞ A. E., YILDIZHAN Ş.
2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017
- VII. **Environmental, Economic and Technical Status of Fuel Cell Technology**
AKTAŞ A. E., YAŞAR A.
INTERNATIONAL CONGRESS on NATURAL and ENGINEERING SCIENCES 21-25 July 2017, 21 - 25 July 2017
- VIII. **Thermodynamic analysis of a transcritical ejector refrigeration system using R134a under different working conditions**
YILMAZ A., AKTAŞ A. E.
IMSEC 2016, 26 - 28 October 2016, pp.4728-4731

Supported Projects

AYDIN K., YILDIZHAN Ő., ŐZARSLAN H., Byk N., KEİYİNCİ S., AKTAŐ A. E., n Ő., Project Supported by Higher Education Institutions, Karada ve Havada Gidebilen Elektrikli Araç Prototipi GeliŐtirilmesi, 2017 - 2018

AYDIN K., AKTAŐ A. E., ŐZGR T., BOZDEMİR Y. Z., BULUT Y. C., AYDIN A., TOSUN E., YILDIZHAN Ő., BAŐ O., EKMEKÇİ G., et al., Project Supported by Higher Education Institutions, Hidrojen Enerjisi İle ŐalıŐan Hibrid Otomobil GeliŐtirme Projesi, 2017 - 2018

YAŐAR A., AKTAŐ A. E., Project Supported by Higher Education Institutions, Environmental, Economic and Technical Status of Fuel Cell Technology, 2017 - 2017

Metrics

Publication: 16