

Res. Asst. Merve ÖZTÜRK

Personal Information

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Education Information

Doctorate, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği, Turkey 2017 - Continues
Post Graduate, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği, Turkey 2014 - 2017
Under Graduate, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği, Turkey 2011 - 2014
Under Graduate, Uludağ Üniversitesi, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, Turkey 2009 - 2011

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Thermodynamics, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği, 2017 - Continues

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

- I. **Development of a combined flash and binary geothermal system integrated with hydrogen production for blending into natural gas in daily applications**
ÖZTÜRK M., DİNCER İ.
Energy Conversion and Management, vol.227, 2021 (Journal Indexed in SCI Expanded)
- II. **Development of renewable energy system integrated with hydrogen and natural gas subsystems for cleaner combustion**
ÖZTÜRK M., DİNCER İ.
Journal of Natural Gas Science and Engineering, vol.83, 2020 (Journal Indexed in SCI Expanded)
- III. **An efficient waste management system with municipal solid waste incineration plant**
ÖZTÜRK M., Dincer I.
GREENHOUSE GASES-SCIENCE AND TECHNOLOGY, vol.10, pp.855-864, 2020 (Journal Indexed in SCI)
- IV. **Exergoeconomic analysis of a solar assisted tea drying system**
ÖZTÜRK M., DİNCER İ.
Drying Technology, vol.38, pp.655-662, 2020 (Journal Indexed in SCI)
- V. **Thermodynamic modeling of a solar energy based combined cycle with rock bed heat storage system**
ÖZTÜRK M., DİNCER İ., JAVANI N.
Solar Energy, vol.200, pp.51-60, 2020 (Journal Indexed in SCI)
- VI. **An integrated system for ammonia production from renewable hydrogen: A case study**
ÖZTÜRK M., DİNCER İ.
International Journal of Hydrogen Energy, 2020 (Journal Indexed in SCI Expanded)
- VII. **Comparative environmental impact assessment of various fuels and solar heat for a combined cycle**
ÖZTÜRK M., DİNCER İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, pp.5043-5053, 2019 (Journal Indexed in SCI)

VIII. **Life cycle assessment of hydrogen-based electricity generation in place of conventional fuels for residential buildings**

ÖZTÜRK M., DİNCER İ.

International Journal of Hydrogen Energy, 2019 (Journal Indexed in SCI Expanded)

IX. **Exergy analysis of tea drying in a continuous vibro-fluidised bed dryer**

ÖZTÜRK M., DİNCER İ.

INTERNATIONAL JOURNAL OF EXERGY, vol.30, pp.376-391, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Investigation of Coolant Temperature Effect on Thermal Comfort in Wall Mounted Radiant Cooling Systems**

ÖZTÜRK M., Oruc O.

JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, pp.461-468, 2019 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Analysis of an Integrated System for Ammonia Production from Renewable Hydrogen in Istanbul**

Öztürk M., Dincer İ.

4th International Hydrogen Technologies Congress, Edirne, Turkey, 20 - 23 June 2019, pp.1-4

II. **Analysis Of Hydrogen Production from Municipal Solid Waste Gasification**

ÖZTÜRK M., DİNCER İ.

10th International Conference on Hydrogen Production (ICH2P), Cluj-Napoca, Romania, 15 May 2019, pp.1

III. **Analysis of Waste Management with Municipal Solid Waste Incineration Plant**

ÖZTÜRK M., DİNCER İ.

8th Global Conference on Global Warming, Doha, Qatar, 22 April 2019, pp.1-4

IV. **Life Cycle Assessment of Hydrogen-based Electricity Generation in place of Conventional Fuels for Residential Buildings**

ÖZTÜRK M., DİNCER İ.

4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 October 2018, pp.232-234

V. **Energy and Exergy Analysis of the Three-Stage Tea Drying Process**

ÖZTÜRK M., DİNCER İ.

10th International Exergy, Energy and Environment Symposium (IEEES-10), Katowice, Poland, 01 July 2018

VI. **Comparative Evaluation of Emissions Arising from the Use of Various Fuels in a Combined Cycle**

ÖZTÜRK M., DİNCER İ.

7th Global Conference on Global Warming (GCGW-2018), İzmir, Turkey, 24 June 2018, pp.579-583

VII. **Thermodynamic Modeling of a Solar Based Combined Cycle with Rock Bed Heat Storage System**

ÖZTÜRK M., DİNCER İ., JAVANI N.

14. International Conference on Energy Storage, 25 - 28 April 2018

VIII. **REVIEW OF LITERATURE STUDY FOR LOUVERED FIN HEAT EXCHANGERS**

ÖZTÜRK M., PINARBAŞI A.

INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, 25 April - 28 December 2017, pp.871-886

IX. **Fundamental basis and application of cold-room project design: A case study of frigoship**

ÖZTÜRK M., GOKTEPE E., Celen A., Çebi A., DALKILIÇ A. S. , WONGWISES S.

ASME 2013 Heat Transfer Summer Conference, HT 2013 Collocated with the ASME 2013 7th International Conference on Energy Sustainability and the ASME 2013 11th International Conference on Fuel Cell Science, Engineering and Technology, Minneapolis, MN, United States Of America, 14 - 19 July 2013, vol.1

Citations

Total Citations (WOS):10

h-index (WOS):2