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Kişisel Bilgiler

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Eđitim Bilgileri

Doktora, Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliđi Bölümü, Türkiye 2003 - 2008

Yüksek Lisans, Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliđi Bölümü, Türkiye 2000 - 2001

Lisans, Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliđi Bölümü, Türkiye 1989 - 1994

Yaptığı Tezler

Doktora, Exergetic and thermoeconomic performance analysis and optimization of diesel engine powered cogeneration systems, Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliđi Bölümü, 2008

Yüksek Lisans, Waste heat recovery from hot dyed wastewater of acrylic fiber dyeing plants, Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliđi Bölümü, 2001

Araştırma Alanları

Makina Mühendisliđi, Diđer Yenilenebilir Enerji Sistemleri, Termodinamik, Isıl Sistemler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., İstanbul Teknik Üniversitesi, Makina, Makina Mühendisliđi, 2020 - Devam Ediyor

Doç.Dr., Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliđi Bölümü, 2014 - 2020

Yrd.Doç.Dr., Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliđi Bölümü, 2010 - 2014

Araştırma Görevlisi, Gaziantep Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliđi Bölümü, 2002 - 2010

Yönetilen Tezler

Abuşođlu A., Genetic algorithm based optimization of renewable power production process, Yüksek Lisans, Ö.FARUK(Öđrenci), 2019

Abuşođlu A., Energy recovery using organic rankine cycle (ORC) from municipal sewage sludge as sustainable energy resource, Yüksek Lisans, N.SUAT(Öđrenci), 2019

Abuşođlu A., Cost optimization of biogas based power production:comprehensive thermoeconomic analysis and evaluation methods, Doktora, D.HAYDARGİL(Öđrenci), 2019

Abuşođlu A., Energy and exergy analysis of a hospital trigeneration system a case study: Kartal Dr. Lütfi Kırdar training and research hospital, Yüksek Lisans, M.BURAK(Öđrenci), 2019

Abuşođlu A., An analysis and assessment of energy production potential from municipal wastes in Erbil city, Iraq, Yüksek Lisans, K.TAMOO(Öđrenci), 2015

Abuşođlu A., Life cycle assessment and analysis of heat and power production alternatives from digested sewage sludge,

Yüksek Lisans, H.ALI(Öğrenci), 2014

Abuşođlu A., Thermoelastic analysis of thick pressurized cylinders, Yüksek Lisans, B.KANLIKAMA(Öğrenci), 2013

Abuşođlu A., Energy and life cycle analysis of HVAC applications in historical and modern buildings, Yüksek Lisans, M.SAEED(Öğrenci), 2013

Abuşođlu A., Thermodynamic and thermoeconomic analysis and optimization of biogas usage in electricity and hydrogen productions from wastewater treatment systems, Yüksek Lisans, S.DEMİR(Öğrenci), 2012

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A comparative thermoeconomic cost accounting analysis and evaluation of biogas engine-powered cogeneration**
Haydargil D., Abusoglu A.
ENERGY, cilt.159, ss.97-114, 2018 (SCI İndekslerine Giren Dergi)
- II. **Thermoeconomic multi-objective optimization of an organic Rankine cycle (ORC) adapted to an existing solid waste power plant**
Ozahi E., Tozlu A., Abusoglu A.
ENERGY CONVERSION AND MANAGEMENT, cilt.168, ss.308-319, 2018 (SCI İndekslerine Giren Dergi)
- III. **Thermoeconomic analysis and optimization of a Re-compression supercritical CO2 cycle using waste heat of Gaziantep Municipal Solid Waste Power Plant**
Tozlu A., Abusoglu A., Ozahi E.
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- IV. **Thermodynamic and thermoeconomic analyses of an organic Rankine cycle adapted gas turbine cycle using S-CO2**
Tozlu A., Ozahi E., Abusoglu A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.33, ss.917-928, 2018 (SCI İndekslerine Giren Dergi)
- V. **Thermoeconomic Analysis and Assessment of Gaziantep Municipal Solid Waste Power Plant**
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- VII. **Exergy analyses of green hydrogen production methods from biogas-based electricity and sewage sludge**
Abusoglu A., Ozahi E., Kutlar A. I. , Demir S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.10986-10996, 2017 (SCI İndekslerine Giren Dergi)
- VIII. **A comparative thermodynamic and economic analysis and assessment of a conventional HVAC and a VRF system in a social and cultural center building**
Ozahi E., Abusoglu A., Kutlar A. I. , Dagci O.
ENERGY AND BUILDINGS, cilt.140, ss.196-209, 2017 (SCI İndekslerine Giren Dergi)
- IX. **Life cycle assessment (LCA) of digested sewage sludge incineration for heat and power production**
Abusoglu A., Ozahi E., Kutlar A. I. , Al-jaf H.
JOURNAL OF CLEANER PRODUCTION, cilt.142, ss.1684-1692, 2017 (SCI İndekslerine Giren Dergi)
- X. **Energy and economic analyses of models developed for sustainable hydrogen production from biogas-based electricity and sewage sludge**
Abusoglu A., Demir S., Ozahi E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.13426-13435, 2016 (SCI İndekslerine Giren Dergi)
- XI. **Geothermal energy use in absorption precooling for Claude hydrogen liquefaction cycle**
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- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.11185-11200, 2016 (SCI İndekslerine Giren Dergi)
- XII. **Waste to energy technologies for municipal solid waste management in Gaziantep**
Tozlu A., Ozahi E., Abusoglu A.
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- XIII. **Exergetic cost evaluation of hydrogen production powered by combined flash-binary geothermal power plant**
Yilmaz C., Kanoglu M., Abusoglu A.
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- XIV. **Thermoeconomic cost evaluation of hydrogen production driven by binary geothermal power plant**
Yilmaz C., Kanoglu M., Abusoglu A.
GEOTHERMICS, cilt.57, ss.18-25, 2015 (SCI İndekslerine Giren Dergi)
- XV. **Thermodynamic analysis and life cycle assessment of the heating strategies in historical buildings: a case study**
Abusoglu A., Sedeeq M. S.
INTERNATIONAL JOURNAL OF EXERGY, cilt.14, ss.60-82, 2014 (SCI İndekslerine Giren Dergi)
- XVI. **Comparative exergoenvironmental analysis and assessment of various residential heating systems**
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ENERGY AND BUILDINGS, cilt.62, ss.268-277, 2013 (SCI İndekslerine Giren Dergi)
- XVII. **Thermoeconomic assessment of a sustainable municipal wastewater treatment system**
Abusoglu A., Demir S., Kanoglu M.
RENEWABLE ENERGY, cilt.48, ss.424-435, 2012 (SCI İndekslerine Giren Dergi)
- XVIII. **Exergoeconomic assessment of a geothermal assisted high temperature steam electrolysis system**
Kanoglu M., Ayanoglu A., Abusoglu A.
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- XIX. **Exergy-based industrial ecology assessment of integrated and separated power and heat production systems**
Abusoglu A., Kanoglu M.
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- XX. **Exergoeconomic analysis and optimization of combined heat and power production: A review**
Abusoglu A., Kanoglu M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.13, ss.2295-2308, 2009 (SCI İndekslerine Giren Dergi)
- XXI. **Allocation of Emissions for Power and Steam Production Based on Energy and Exergy in Diesel Engine Powered Cogeneration**
Abusoglu A., Kanoglu M.
ENERGY & FUELS, cilt.23, ss.1526-1533, 2009 (SCI İndekslerine Giren Dergi)
- XXII. **Exergetic and thermoeconomic analyses of diesel engine powered cogeneration: Part 1- Formulations**
Abusoglu A., Kanoglu M.
APPLIED THERMAL ENGINEERING, cilt.29, ss.234-241, 2009 (SCI İndekslerine Giren Dergi)
- XXIII. **Exergetic and thermoeconomic analyses of diesel engine powered cogeneration: Part 2-Application**
Abusoglu A., Kanoglu M.
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- XXIV. **First and second law analysis of diesel engine powered cogeneration systems**
Abusoglu A., Kanoglu M.
ENERGY CONVERSION AND MANAGEMENT, cilt.49, ss.2026-2031, 2008 (SCI İndekslerine Giren Dergi)
- XXV. **Performance characteristics of a Diesel engine power plant**
Kanoglu M., Isik S., Abusoglu A.
ENERGY CONVERSION AND MANAGEMENT, cilt.46, ss.1692-1702, 2005 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

I. GEOTHERMAL ENERGY USE IN HYDROGEN PRODUCTION

YILMAZ C., KANOĞLU M., ABUŞOĞLU A.

Journal of Thermal Engineering, cilt.2, ss.699-708, 2015 (Diğer Kurumların Hakemli Dergileri)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Producing Bio-electricity and Bio-heat from Urban Sewage Sludge in Turkey Using a Two-Stage Process

ABUŞOĞLU A., MOGHADDAM A. A. , GUERRERO J.

Proc. of the 5th International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET), 26 - 27 Ağustos 2019

II. Bir Akışkan Yataklı Atık Su Çamuru Yakma Tesisinin Termodinamik Analizi ve Değerlendirmesi

ATAY N. S. , ABUŞOĞLU A.

6th International Multidisciplinary Studies Congress, 26 - 27 Nisan 2019

III. Türkiye’de Hayvansal Atıktan Elde Edilen Biyogaza Bağlı Bölgesel Elektrik Ve Isı Üretiminin Bir Portresi

MAVİGÖK B., ABUŞOĞLU A., MOGHADDAM A. A. , GUERRERO J.

6th International Multidisciplinary Studies Congress, 26 - 27 Nisan 2019

IV. Thermodynamic Optimization of a Biogas Engine Powered Cogeneration System with Using Genetic Algorithm

KURT Ö. F. , ABUŞOĞLU A.

Uluslararası GAP Yenilenebilir Enerji Ve Enerji Verimliliği Kongresi - 2018, Şanlıurfa, Türkiye, 10 - 12 Mayıs 2018, ss.218

V. A Portrait of Municipal Wastewater Treatment Systems in Turkey as Self-sustaining Renewable Energy Producers

ABUŞOĞLU A.

8th International 100 Renewable Energy Conference, İstanbul, Türkiye, 7 - 09 Mayıs 2018, ss.30-34

VI. Energy and Exergy Analysis of a Hospital Trigeneration System

ÖZGÖZTAŞI M. B. , ABUŞOĞLU A.

8th International 100 Renewable Energy Conference, İstanbul, Türkiye, 7 - 09 Mayıs 2018, ss.84-89

VII. Application and Comparison of Exergetic Cost Theory and Wonergy Methods to a Biogas Engine Powered Cogeneration

HAYDARGİL D., ABUŞOĞLU A.

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VIII. Thermoeconomic Analyses and Assessment of Combined Systems: GT-ORC and GT-KAL cycle

TOZLU A., ÖZAHİ E., ABUŞOĞLU A.

4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2017), 4 - 08 Ekim 2017

IX. A Thermodynamic Comparison of Gas Turbine, Kalina and Organic Rankine Cycles in frame of Waste Heat Recovery

TOZLU A., ÖZAHİ E., ABUŞOĞLU A.

4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2017), 4 - 08 Ekim 2017

X. Thermodynamic Analyses of a Coal-Fired Power Plant in Izmir, Turkey

ÖZAHİ E., TOZLU A., ABUŞOĞLU A., KUTLAR A. İ.

3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapest, Macaristan, 3 - 07 Mayıs 2017

XI. Environmental Impact Assessment of Sewage Sludge Use in Energy Recovery

ABUŞOĞLU A., ÖZAHİ E., TOZLU A.

3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapest, Macaristan, 3 - 07 Mayıs 2017

XII. A Developed Closed-Cycle GT Using Transcritical CO₂ for WHR in a Typical MSW Power Plant

TOZLU A., ÖZAHİ E., ABUŞOĞLU A.

3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapest, Macaristan, 3 - 07 Mayıs 2017

XIII. Influence of Inner Geometry of Pipe Fittings on Pressure Drop in Steady Pipe Flow

ÖZAHİ E., TOZLU A., ABUŞOĞLU A., KUTLAR A. İ.

3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapest, Macaristan, 3 - 07 Mayıs 2017

XIV. Auxiliary Heat and Power Productions in a Sewage Treatment Facility

ABUŞOĞLU A., ÖZAHİ E., TOZLU A.

3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapest, Macaristan, 3 - 07 Mayıs 2017

XV. Energy and Exergy Analyses of a Gas Turbine Developed for Heat Recovery in a MSW Power Plant

TOZLU A., ÖZAHİ E., ABUŞOĞLU A.

3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapest, Macaristan, 3 - 07 Mayıs 2017

XVI. Thermoeconomic Analysis and Assessment of Gaziantep Municipal Solid Waste Power Plant

TOZLU A., ÖZAHİ E., ABUŞOĞLU A.

3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2016), 19 - 24 Ekim 2016

XVII. Thermodynamic Performance Assessment of Different Fluids in a Typical Organic Rankine Cycle for Usage in Municipal Solid Waste Power Plant

ÖZAHİ E., TOZLU A., ABUŞOĞLU A.

3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2016), 19 - 24 Ekim 2016

XVIII. Energetic and exergetic analyses of a solid waste power plant using Aspen Plus

TOZLU A., ÖZAHİ E., ABUŞOĞLU A.

The 2016 International Conference on Energy, Environment, Ecosystems, and Development, EEED 2016, 28 - 30 Mayıs 2016

XIX. An adapted organic Rankine cycle ORC in Gaziantep Municipal Solid Waste Power Plant

ÖZAHİ E., TOZLU A., ABUŞOĞLU A.

The 2016 International Conference on Energy, Environment, Ecosystems, and Development, EEED 2016, 28 - 30 Mayıs 2016

XX. A portrait of sewage sludge use for sustainable energy recovery potential in Turkey in the frame of EU environmental legislations

ABUŞOĞLU A., ÖZAHİ E., TOZLU A.

The 2016 International Conference on Energy, Environment, Ecosystems, and Development, EEED 2016, 28 - 30 Mayıs 2016

XXI. A General View on Municipal Solid Waste Management in Gaziantep

TOZLU A., ÖZAHİ E., ABUŞOĞLU A.

INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY - ICOEST 2015, 9 - 13 Eylül 2015

XXII. Thermoeconomic Optimization of Hydrogen Production by A Flash Binary Geothermal Power Plant

YILMAZ C., KANOĞLU M., ABUŞOĞLU A.

INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGY AND SCIENCES - ICAT 2015, 4 - 07 Ağustos 2015

XXIII. Thermoeconomic Optimization of Hydrogen Production and Liquefaction by Geothermal Power

YILMAZ C., KANOĞLU M., ABUŞOĞLU A.

7th INTERNATIONAL ENERGY, EXERGY AND ENVIRONMENT SYMPOSIUM, 27 - 30 Nisan 2015

XXIV. Jeotermal Destekli Hidrojen Sıvılaştırma Çevriminin Termodinamik ve Termoeconomik Analizi

YILMAZ C., KANOĞLU M., ABUŞOĞLU A.

12. ULUSAL TESİSAT MÜHENDİSLİĞİ KONGRESİ, Türkiye, 8 - 11 Nisan 2015

Desteklenen Projeler

Abuşoğlu A., Özahi E., TÜBİTAK Projesi, BİYOBOZUNUR KATI ATIK TESİSLERİNİN TERMODİNAMİK, TERMOEKONOMİK ANALİZ VE OPTİMİZASYONLARI ÇERÇEVESİNDE YENİLENEBİLİR ENERJİ POTANSİYELLERİNİN ARAŞTIRILMASI VE SIFIR ATIK YAKLAŞIMIYLA SÜRDÜRÜLEBİLİR MODELLERİN GELİŞTİRİLEBİLMESİ, 2014 - 2017

Abuşoğlu A., Kanoğlu M., TÜBİTAK Projesi, Jeotermal Enerjinin Hidrojen Üretimi ve Sıvılaştırılmasında Kullanımının Termoeconomik Analizi Optimizasyonu ve Yaşam Döngü Maliyet Analizi, 2013 - 2015

Abuşoğlu A., Kanoğlu M., TÜBİTAK Projesi, ATIK SU ARITMA TESİSLERİNDEN ELDE EDİLEN BİYOGAZIN ELEKTRİK VE HİDROJEN ÜRETİMİNDE KULLANIMININ TERMODİNAMİK TERMOEKONOMİK ANALİZ VE OPTİMİZASYONU, 2010 - 2012

Atıflar

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