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International Researcher IDs

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Biography

Education Information

Doctorate, Iowa State University of Science and Technology, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, United States Of America 1996 - 2001

Postgraduate, Vanderbilt University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, United States Of America 1994 - 1996

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Makina Eğitimi, Turkey 1985 - 1989

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Production of Biodiesel from Feedstocks with High Free Fatty Acids and Its Effect on Diesel Engine Performance and Emissions, Iowa State University of Science and Technology, Makine Mühendisliği Bölümü, 2001

Postgraduate, Idealized Engine Emissions Resulting from the Combustion of Isooctane Supplemented with Hydrogen, Vanderbilt University, Makine Mühendisliği Bölümü, 1996

Research Areas

Mechanical Engineering, Thermodynamics, Fuels and Combustion, Internal Combustion Engines, Engineering and Technology

Academic Titles / Tasks

Professor, Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği, 2012 - Continues
Professor, Kocaeli University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2010 - 2012
Associate Professor, Kocaeli University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2005 - 2010
Assistant Professor, Kocaeli University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2002 - 2005
Expert, University of Wisconsin-Madison, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2001 - 2002
Research Assistant, Iowa State University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 1997 - 2001

Academic and Administrative Experience

Kocaeli Üniversitesi, Teknoloji Fakültesi, 2014 - 2016
Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 2012 - 2015
Kocaeli Üniversitesi, Teknoloji Fakültesi, Otomotiv Mühendisliği Bölümü, 2012 - 2014
Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, 2010 - 2013
Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 2002 - 2012
Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, 2003 - 2006

Courses

Danışmanlık, Postgraduate, 2022 - 2023
Yüksek Lisans Seminer, Postgraduate, 2023 - 2024, 2022 - 2023
İçten Yanmalı Motorlar ve Test Teknikleri, Postgraduate, 2023 - 2024
Uzmanlık Alan Dersi, Postgraduate, 2023 - 2024, 2022 - 2023
İçten Yanmalı Motorlar, Undergraduate, 2023 - 2024
Bitirme Projesi - B, Undergraduate, 2022 - 2023
Danışmanlık, Postgraduate, 2023 - 2024, 2022 - 2023
Motor Performans Testleri, Undergraduate, 2022 - 2023
Emisyon Kontrolü, Undergraduate, 2023 - 2024, 2022 - 2023
Motorlarda Yanma, Emisyon Oluşumu ve Kontrol Yöntemleri, Postgraduate, 2022 - 2023
Bitirme Projesi - A, Undergraduate, 2023 - 2024
Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
Motorlarda Yanma, Emisyon Oluşumu ve Kontrol Yöntemleri, Postgraduate, 2022 - 2023
İçten Yanmalı Motorlar ve Test Teknikleri, Postgraduate, 2023 - 2024
İşletmede Mesleki Eğitim (UE), Undergraduate, 2023 - 2024

Research Infrastructure Information

Akın A. N., Çanakçı M., Alptekin E., Şanlı H., İlgen O., Kibar M. E., Yıldız M., ALTERNATİF YAKITLAR ARAŞTIRMA GELİŞTİRME ve UYGULAMA MERKEZİ, July 2012

Designed Programs

Çanakçı M., Undergraduate, Otomotiv Mühendisliği Lisans, 2012 - Continues
Çanakçı M., Undergraduate, TEKNOLOJİ FAKÜLTESİ, 2012 - Continues
Çanakçı M., Undergraduate Minor, Otomotiv Mühendisliği Tezsiz Yüksek Lisans , 2011 - Continues
Çanakçı M., Undergraduate Double Major, Otomotiv Mühendisliği Yüksek Lisans , 2011 - Continues
Çanakçı M., Postgraduate, Otomotiv Mühendisliği Doktora Programı, 2011 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The role of hydrogen for future internal combustion engines**
Onorati A., Payri R., Vaglieco B. M., Agarwal A. K., Bae C., Bruneaux G., Canakci M., Gavaises M., Guenther M., Hasse C., et al.
INTERNATIONAL JOURNAL OF ENGINE RESEARCH, vol.23, no.4, pp.529-540, 2022 (SCI-Expanded)
- II. **Using low viscosity micro-emulsification fuels composed of waste frying oil-diesel fuel-higher bio-alcohols in a turbocharged-CRDI diesel engine**
Sanli H., ALPTEKİN E., ÇANAKCI M.
FUEL, vol.308, 2022 (SCI-Expanded)
- III. **Effects of variable valve timing on the air flow parameters in an electromechanical valve mechanism- A cfd study**
DEMİR Ü., COŞKUN G., SOYHAN H. S., TÜRKCAN A., ALPTEKİN E., ÇANAKCI M.
FUEL, vol.308, 2022 (SCI-Expanded)
- IV. **An evaluation of the use of alcohol fuels in SI engines in terms of performance, emission and combustion characteristics: A review**
Goktas M., BALKI M. K., SAYIN C., ÇANAKCI M.
FUEL, vol.286, 2021 (SCI-Expanded)
- V. **IJER editorial: The future of the internal combustion engine**
Reitz R., Ogawa H., Payri R., Fansler T., Kokjohn S., Moriyoshi Y., Agarwal A., Arcoumanis D., Assanis D., Bae C., et al.
International Journal of Engine Research, vol.21, no.1, pp.3-10, 2020 (SCI-Expanded)
- VI. **Production of Fuel Quality Ethyl Ester Biodiesel: 1. Laboratory-Scale Optimization of Waste Frying Oil Ethanolysis, 2. Pilot-Scale Production with the Optimal Reaction Conditions**
Sanli H., ALPTEKİN E., ÇANAKCI M.
WASTE AND BIOMASS VALORIZATION, vol.10, no.7, pp.1889-1898, 2019 (SCI-Expanded)
- VII. **Combustion and performance evaluation of a common rail DI diesel engine fueled with ethyl and methyl esters**
ALPTEKİN E., ŞANLI H., ÇANAKCI M.
APPLIED THERMAL ENGINEERING, vol.149, pp.180-191, 2019 (SCI-Expanded)
- VIII. **Numerical and experimental investigations of the effects of the second injection timing and alcohol-gasoline fuel blends on combustion and emissions of an HCCI-DI engine**
TÜRKCAN A., ALTINKURT M. D., Coşkun G., ÇANAKCI M.
FUEL, vol.219, pp.50-61, 2018 (SCI-Expanded)
- IX. **An experimental and modeling study to investigate effects of different injection parameters on a direct injection HCCI combustion fueled with ethanol-gasoline fuel blends**
Coskun G., Demir U., Soyhan H. S., TÜRKCAN A., ÖZSEZEN A. N., ÇANAKCI M.
FUEL, vol.215, pp.879-891, 2018 (SCI-Expanded)
- X. **Performance and emission characteristics of solketal-gasoline fuel blend in a vehicle with spark ignition engine**
ALPTEKİN E., Canakci M.
APPLIED THERMAL ENGINEERING, vol.124, pp.504-509, 2017 (SCI-Expanded)
- XI. **Effects of waste frying oil based methyl and ethyl ester biodiesel fuels on the performance, combustion and emission characteristics of a DI diesel engine**
ŞANLI H., ÇANAKCI M., ALPTEKİN E., TÜRKCAN A., ÖZSEZEN A. N.
FUEL, vol.159, pp.179-187, 2015 (SCI-Expanded)
- XII. **Using waste animal fat based biodiesels-bioethanol-diesel fuel blends in a DI diesel engine**
ALPTEKİN E., ÇANAKCI M., ÖZSEZEN A. N., TÜRKCAN A., ŞANLI H.
FUEL, vol.157, pp.245-254, 2015 (SCI-Expanded)
- XIII. **Performance evaluation of an R134a automotive heat pump system for various heat sources in comparison with baseline heating system**
HOŞÖZ M., Direk M., YİĞİT K. S., ÇANAKCI M., TÜRKCAN A., ALPTEKİN E., Sanli A.

- APPLIED THERMAL ENGINEERING, vol.78, pp.419-427, 2015 (SCI-Expanded)
- XIV. **AN EXPERIMENTAL AND MODELING STUDY TO INVESTIGATE EFFECTS OF TWO-STAGE DIRECT INJECTION VARIATIONS ON HCCI COMBUSTION**
TÜRKCAN A., ÖZSEZEN A. N., ÇANAKCI M., Coskun G., Soyhan H. S., Demir U.
COMBUSTION SCIENCE AND TECHNOLOGY, vol.187, no.4, pp.642-658, 2015 (SCI-Expanded)
- XV. **Influences of second injection variations on combustion and emissions of an HCCI-DI engine: Experiments and CFD modelling**
Coskun G., Soyhan H. S., Demir U., TÜRKCAN A., ÖZSEZEN A. N., ÇANAKCI M.
FUEL, vol.136, pp.287-294, 2014 (SCI-Expanded)
- XVI. **Biodiesel production from vegetable oil and waste animal fats in a pilot plant**
ALPTEKİN E., ÇANAKCI M., ŞANLI H.
WASTE MANAGEMENT, vol.34, no.11, pp.2146-2154, 2014 (SCI-Expanded)
- XVII. **Experimental investigation of the effects of different injection parameters on a direct injection HCCI engine fueled with alcohol-gasoline fuel blends**
Turkcan A., Ozsezen A. N., ÇANAKCI M.
FUEL PROCESSING TECHNOLOGY, vol.126, pp.487-496, 2014 (SCI-Expanded)
- XVIII. **Untitled**
SAYIN C., GÜMÜŞ M., ÇANAKCI M.
APPLIED THERMAL ENGINEERING, vol.65, pp.184, 2014 (SCI-Expanded)
- XIX. **A comparative parametric analysis of equilibrium combustion products of gasoline, diesel, ethanol, methanol and their blends**
Şanlı A., KILIÇASLAN İ., ÇANAKCI M.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.36, no.21, pp.2420-2430, 2014 (SCI-Expanded)
- XX. **The effect of different alcohol fuels on the performance, emission and combustion characteristics of a gasoline engine**
Balki M. K., SAYIN C., ÇANAKCI M.
FUEL, vol.115, pp.901-906, 2014 (SCI-Expanded)
- XXI. **Editorial for special issue FCE/ICS 2012**
ÇANAKCI M., Soyhan H. S.
FUEL, vol.115, pp.789, 2014 (SCI-Expanded)
- XXII. **Predicting the higher heating values of waste frying oils as potential biodiesel feedstock**
ŞANLI H., ÇANAKCI M., ALPTEKİN E.
FUEL, vol.115, pp.850-854, 2014 (SCI-Expanded)
- XXIII. **Influence of injector hole number on the performance and emissions of a DI diesel engine fueled with biodiesel-diesel fuel blends**
SAYIN C., GÜMÜŞ M., ÇANAKCI M.
APPLIED THERMAL ENGINEERING, vol.61, no.2, pp.121-128, 2013 (SCI-Expanded)
- XXIV. **Effects of second injection timing on combustion characteristics of a two stage direct injection gasoline-alcohol HCCI engine**
Turkcan A., Ozsezen A. N., ÇANAKCI M.
FUEL, vol.111, pp.30-39, 2013 (SCI-Expanded)
- XXV. **Impact of alcohol-gasoline fuel blends on the exhaust emission of an SI engine**
ÇANAKCI M., ÖZSEZEN A. N., ALPTEKİN E., Eyidogan M.
RENEWABLE ENERGY, vol.52, pp.111-117, 2013 (SCI-Expanded)
- XXVI. **Effect of fuel injection pressure on the injection, combustion and performance characteristics of a DI diesel engine fueled with canola oil methyl esters-diesel fuel blends**
SAYIN C., GÜMÜŞ M., ÇANAKCI M.
BIOMASS & BIOENERGY, vol.46, pp.435-446, 2012 (SCI-Expanded)
- XXVII. **Combustion characteristics of a DI-HCCI gasoline engine running at different boost pressures**
ÇANAKCI M.

- FUEL, vol.96, no.1, pp.546-555, 2012 (SCI-Expanded)
- XXVIII. **The impact of fuel injection pressure on the exhaust emissions of a direct injection diesel engine fueled with biodiesel-diesel fuel blends**
GÜMÜŞ M., SAYIN C., ÇANAKCI M.
FUEL, vol.95, no.1, pp.486-494, 2012 (SCI-Expanded)
- XXIX. **Evaluation of leather industry wastes as a feedstock for biodiesel production**
ALPTEKİN E., ÇANAKCI M., ŞANLI H.
FUEL, vol.95, no.1, pp.214-220, 2012 (SCI-Expanded)
- XXX. **INVESTIGATION OF THE EFFECTS OF ETHANOL-GASOLINE AND METHANOL-GASOLINE BLENDS ON THE COMBUSTION PARAMETERS AND EXHAUST EMISSIONS OF A SPARK IGNITION ENGINE**
EYİDOĞAN M., Canakci M., Ozsezen A. N., Alptekin E., Turkcan A., Kilicaslan I.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.3, pp.499-507, 2011 (SCI-Expanded)
- XXXI. **Optimization of transesterification for methyl ester production from chicken fat**
Alptekin E., ÇANAKCI M.
FUEL, vol.90, no.8, pp.2630-2638, 2011 (SCI-Expanded)
- XXXII. **Performance and combustion characteristics of alcohol-gasoline blends at wide-open throttle**
ÖZSEZEN A. N., ÇANAKCI M.
ENERGY, vol.36, no.5, pp.2747-2752, 2011 (SCI-Expanded)
- XXXIII. **Comparison of performance and combustion parameters in a heavy-duty diesel engine fueled with iso-butanol/diesel fuel blends**
ÖZSEZEN A. N., Turkcan A., SAYIN C., ÇANAKCI M.
ENERGY EXPLORATION & EXPLOITATION, vol.29, no.5, pp.525-541, 2011 (SCI-Expanded)
- XXXIV. **Determination of performance and combustion characteristics of a diesel engine fueled with canola and waste palm oil methyl esters**
Ozsezen A. N., ÇANAKCI M.
ENERGY CONVERSION AND MANAGEMENT, vol.52, no.1, pp.108-116, 2011 (SCI-Expanded)
- XXXV. **Optimization of pretreatment reaction for methyl ester production from chicken fat**
Alptekin E., ÇANAKCI M.
FUEL, vol.89, no.12, pp.4035-4039, 2010 (SCI-Expanded)
- XXXVI. **The emission analysis of an IDI diesel engine fueled with methyl ester of waste frying palm oil and its blends**
ÖZSEZEN A. N., ÇANAKCI M.
BIOMASS & BIOENERGY, vol.34, no.12, pp.1870-1878, 2010 (SCI-Expanded)
- XXXVII. **Impact of alcohol-gasoline fuel blends on the performance and combustion characteristics of an SI engine**
Eyidogan M., Ozsezen A. N., ÇANAKCI M., Turkcan A.
FUEL, vol.89, no.10, pp.2713-2720, 2010 (SCI-Expanded)
- XXXVIII. **The influence of operating parameters on the performance and emissions of a DI diesel engine using methanol-blended-diesel fuel**
SAYIN C., ÖZSEZEN A. N., ÇANAKCI M.
FUEL, vol.89, no.7, pp.1407-1414, 2010 (SCI-Expanded)
- XXXIX. **Effect of Fuel Injection Timing on the Injection, Combustion, and Performance Characteristics of a Direct-Injection (DI) Diesel Engine Fueled with Canola Oil Methyl Ester-Diesel Fuel Blends**
GÜMÜŞ M., SAYIN C., ÇANAKCI M.
ENERGY & FUELS, vol.24, no.5, pp.3199-3213, 2010 (SCI-Expanded)
- XL. **Effect of Fuel Injection Timing on the Emissions of a Direct-Injection (DI) Diesel Engine Fueled with Canola Oil Methyl Ester-Diesel Fuel Blends**
SAYIN C., GÜMÜŞ M., ÇANAKCI M.
ENERGY & FUELS, vol.24, no.4, pp.2675-2682, 2010 (SCI-Expanded)
- XLI. **Prediction of performance and exhaust emissions of a diesel engine fueled with biodiesel produced**

from waste frying palm oil

ÇANAKCI M., ÖZSEZEN A. N., Arcakcioglu E., ERDİL A.

Expert Systems with Applications, vol.36, no.5, pp.9268-9280, 2009 (SCI-Expanded)

- XLII. **PERFORMANCE AND COMBUSTION IN A DIRECT INJECTION DIESEL ENGINE FUELLED WITH WASTE PALM AND CANOLA OIL METHYL ESTERS**
ÖZSEZEN A. N., ÇANAKCI M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.24, no.2, pp.275-284, 2009 (SCI-Expanded)
- XLIII. **NO_x emissions of biodiesel as an alternative diesel fuel**
ÇANAKCI M.
International Journal of Vehicle Design, vol.50, pp.213-228, 2009 (SCI-Expanded)
- XLIV. **Effect of Injection Pressure on the Combustion, Performance, and Emission Characteristics of a Diesel Engine Fueled with Methanol-blended Diesel Fuel**
ÇANAKCI M., SAYIN C., ÖZSEZEN A. N., TÜRKCAN A.
ENERGY & FUELS, vol.23, pp.2908-2920, 2009 (SCI-Expanded)
- XLV. **Effect of injection timing on the exhaust emissions of a diesel engine using diesel-methanol blends**
SAYIN C., İlhan M., ÇANAKCI M., GÜMÜŞ M.
RENEWABLE ENERGY, vol.34, no.5, pp.1261-1269, 2009 (SCI-Expanded)
- XLVI. **Combustion analysis of preheated crude sunflower oil in an IDI diesel engine**
ÇANAKCI M., ÖZSEZEN A. N., TÜRKCAN A.
BIOMASS & BIOENERGY, vol.33, no.5, pp.760-767, 2009 (SCI-Expanded)
- XLVII. **Performance and combustion characteristics of a DI diesel engine fueled with waste palm oil and canola oil methyl esters**
ÖZSEZEN A. N., ÇANAKCI M., TÜRKCAN A., SAYIN C.
FUEL, vol.88, no.4, pp.629-636, 2009 (SCI-Expanded)
- XLVIII. **Experimental Investigation of Combustion Characteristics and Emissions of an Indirect Injection Diesel Engine under Different Operating Conditions**
Turkcan A., ÇANAKCI M.
ENERGY & FUELS, vol.23, pp.1790-1796, 2009 (SCI-Expanded)
- XLIX. **Numerical evaluation by models of load and spark timing effects on the in-cylinder heat transfer of a SI engine**
Sanli A., SAYIN C., GÜMÜŞ M., KILIÇASLAN İ., ÇANAKCI M.
Numerical Heat Transfer; Part A: Applications, vol.56, no.5, pp.444-458, 2009 (SCI-Expanded)
- L. **Characterization of the key fuel properties of methyl ester-diesel fuel blends**
Alptekin E., ÇANAKCI M.
FUEL, vol.88, no.1, pp.75-80, 2009 (SCI-Expanded)
- LI. **Effects of injection timing on the engine performance and exhaust emissions of a dual-fuel diesel engine**
SAYIN C., ÇANAKCI M.
ENERGY CONVERSION AND MANAGEMENT, vol.50, no.1, pp.203-213, 2009 (SCI-Expanded)
- LII. **Determination of the density and the viscosities of biodiesel-diesel fuel blends**
ALPTEKİN E., ÇANAKCI M.
RENEWABLE ENERGY, vol.33, no.12, pp.2623-2630, 2008 (SCI-Expanded)
- LIII. **Exhaust Emissions and Combustion Characteristics of a Direct Injection (DI) Diesel Engine Fueled with Methanol-Diesel Fuel Blends at Different Injection Timings**
ÇANAKCI M., SAYIN C., GÜMÜŞ M.
ENERGY & FUELS, vol.22, no.6, pp.3709-3723, 2008 (SCI-Expanded)
- LIV. **DETERMINATION OF SOME PROPERTIES OF METHYL ESTER AND GLYCERIN PRODUCED FROM DIFFERENT FEEDSTOCKS**
ALPTEKİN E., ÇANAKCI M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.3, pp.549-556,

2008 (SCI-Expanded)

- LV. **The influence of engine speed and load on the heat transfer between gases and in-cylinder walls at fired and motored conditions of an IDI diesel engine**
Sanli A., ÖZSEZEN A. N., Kilicaslan I., ÇANAKCI M.
APPLIED THERMAL ENGINEERING, vol.28, pp.1395-1404, 2008 (SCI-Expanded)
- LVI. **Effects of different alcohol and catalyst usage on biodiesel production from different vegetable oils**
ŞANLI H., ÇANAKCI M.
Energy and Fuels, vol.22, no.4, pp.2713-2719, 2008 (SCI-Expanded)
- LVII. **Effects of biodiesel from used frying palm oil on the exhaust emissions of an indirect injection (IDI) diesel engine**
ÖZSEZEN A. N., ÇANAKCI M., SAYIN C.
ENERGY & FUELS, vol.22, no.4, pp.2796-2804, 2008 (SCI-Expanded)
- LVIII. **An experimental study for the effects of boost pressure on the performance and exhaust emissions of a DI-HCCI gasoline engine**
ÇANAKCI M.
FUEL, vol.87, pp.1503-1514, 2008 (SCI-Expanded)
- LIX. **AN INVESTIGATION OF THE EFFECT OF METHYL ESTER PRODUCED FROM WASTE FRYING OIL ON THE PERFORMANCE AND EMISSIONS OF AN IDI DIESEL ENGINE**
Özsezen A. N., Canakci M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.2, pp.395-404, 2008 (SCI-Expanded)
- LX. **Influence of injection timing on the exhaust emissions of a dual-fuel CI engine**
SAYIN C., Uslu K., ÇANAKCI M.
RENEWABLE ENERGY, vol.33, no.6, pp.1314-1323, 2008 (SCI-Expanded)
- LXI. **Biodiesel production from various feedstocks and their effects on the fuel properties**
ÇANAKCI M., ŞANLI H.
Journal of Industrial Microbiology and Biotechnology, vol.35, no.5, pp.431-441, 2008 (SCI-Expanded)
- LXII. **Effects of biodiesel from used frying palm oil on the performance, injection, and combustion characteristics of an indirect injection diesel engine**
Özsezen A. N., Çanakci M., Sayin C.
ENERGY & FUELS, vol.22, no.2, pp.1297-1305, 2008 (SCI-Expanded)
- LXIII. **Combustion characteristics of a turbocharged DI compression ignition engine fueled with petroleum diesel fuels and biodiesel**
Canakci M.
BIORESOURCE TECHNOLOGY, vol.98, no.6, pp.1167-1175, 2007 (SCI-Expanded)
- LXIV. **Energy and exergy analyses of a gasoline engine**
SAYIN C., HOŞÖZ M., ÇANAKCI M., KILIÇASLAN İ.
International Journal of Energy Research, vol.31, no.3, pp.259-273, 2007 (SCI-Expanded)
- LXV. **Performance and exhaust emissions of a gasoline engine using artificial neural network**
SAYIN C., Ertunc H. M., Hosoz M., KILIÇASLAN İ., Canakci M.
APPLIED THERMAL ENGINEERING, vol.27, no.1, pp.46-54, 2007 (SCI-Expanded)
- LXVI. **Investigation of biodiesel production from canola oil using Mg-Al hydrotalcite catalysts**
İLGEN O., DINCER İ., YILDIZ M., ALPTEKİN E., BOZ N., ÇANAKCI M., AKIN A. N.
TURKISH JOURNAL OF CHEMISTRY, vol.31, no.5, pp.509-514, 2007 (SCI-Expanded)
- LXVII. **The potential of restaurant waste lipids as biodiesel feedstocks**
Canakci M.
BIORESOURCE TECHNOLOGY, vol.98, no.1, pp.183-190, 2007 (SCI-Expanded)
- LXVIII. **Energy and exergy analyses of a diesel engine fuelled with various biodiesels**
Canakci M., Hosoz M.
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.1, no.4, pp.379-394, 2006 (SCI-Expanded)
- LXIX. **An investigation of the effects of catalyst and alcohol amounts on the fuel properties of biodiesel**

from various vegetable oils Çeşitli bitkisel yağlardan biyodizel üretiminde katalizör ve alkol miktarının yakıt özellikleri üzerine etkisinin incelenmesi

Çildir O., ÇANAKCI M.

Journal of the Faculty of Engineering and Architecture of Gazi University, vol.21, no.2, pp.367-372, 2006 (SCI-Expanded)

- LXX. **Performance and exhaust emissions of a biodiesel engine**
ÇANAKCI M., ERDİL A., Arcaklıoğlu E.
Applied Energy, vol.83, no.6, pp.594-605, 2006 (SCI-Expanded)
- LXXI. **Performance and emissions characteristics of biodiesel from soybean oil**
ÇANAKCI M.
Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, vol.219, no.7, pp.915-922, 2005 (SCI-Expanded)
- LXXII. **An experimental study of the effect of octane number higher than engine requirement on the engine performance and emissions**
Sayin C., Kilicaslan I., ÇANAKCI M., Ozsezen N.
APPLIED THERMAL ENGINEERING, vol.25, no.8-9, pp.1315-1324, 2005 (SCI-Expanded)
- LXXIII. **Effect of optimization criteria on direct-injection homegeneous charge compression ignition gasoline engine performance and emissions using fully automated experiments and microgenetic algorithms**
ÇANAKCI M., Reitz R.
Journal of Engineering for Gas Turbines and Power, vol.126, no.1, pp.167-177, 2004 (SCI-Expanded)
- LXXIV. **Comparison of Engine Performance and Emissions for Petroleum Diesel Fuel, Yellow Grease Biodiesel, and Soybean Oil Biodiesel**
ÇANAKCI M., Van Gerpen J.
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Kocaeli Üniversitesi Fen Bilimleri Dergisi , Committee Member, 2018 - Continues

International Journal Of Engine Research, Committee Member, 2013 - Continues

Recycling Industry , Advisory Committee Member, 2007 - Continues

ADVANCES IN MECHANICAL ENGINEERING, Committee Member, 2013 - 2019

International Journal of Rotating Machinery , Committee Member, 2013 - 2017

Fuel, Special Issue Editor, 2011 - 2012

Biyoyakıt Dünyası , Advisory Committee Member, 2006 - 2008

Memberships / Tasks in Scientific Organizations

Combustion Institute, Member, 2017 - Continues, United States Of America

AOCS (American Oil Chemists' Society) , Member, 1998 - 2001, United States Of America

SAE (Society of Automotive Engineering), Member, 1997 - 2001, United States Of America

Scientific Consultations

European Research Council (ERC), Project Consultancy, Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği, Turkey, 2023 - Continues

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TÜBİTAK - TEYDEB USETEG , Scientific Consultancy, Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği, Turkey, 2015 - 2017

TÜBİTAK - ARDEB MAG , Scientific Consultancy, Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği, Turkey, 2014 - 2017

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