

Prof. ATILLA BİLGİN

Personal Information

Office Phone: [+90 462 377 2910](tel:+904623772910)

Fax Phone: [+90 462 377 3336](tel:+904623773336)

Email: bilgin@ktu.edu.tr

Web: <https://www.scopus.com/authid/detail.uri?authorId=23108519500>

International Researcher IDs

ORCID: 0000-0001-9461-5943

Publons / Web Of Science ResearcherID: C-6490-2008

Education Information

Doctorate, Karadeniz Technical University, Mühendislik Ve Mimarlık Fakültesi, Otomotiv, Turkey 1988 - 1994

Postgraduate, Karadeniz Technical University, Mühendislik Ve Mimarlık Fakültesi, Enerji, Turkey 1985 - 1988

Undergraduate, Karadeniz Technical University, Mühendislik Ve Mimarlık Fakültesi, Turkey 1981 - 1985

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Pistonlu Motorların Silindirleri İçerisindeki Gaz Akışlarının Emme Stroku Boyunca Sayısal Olarak İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği / Otomotiv, 1994

Postgraduate, Farklı Kesit Şekline ve Eşdeğer Koniklik Açısına Sahip Geçiş Borularının Deneysel Olarak İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği / Enerji, 1988

Research Areas

Mechanical Engineering, Energy, Alternative Energy Resources, Thermodynamics, Fuels and Combustion, Internal Combustion Engines, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği, 2009 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği, 2003 - 2009

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği, 1996 - 2003

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği, 1985 - 1996

Courses

MÜHENDİSLİK MATEMATİĞİ, Undergraduate, 2016 - 2017
MOTORLU TAŞIT TEKİNİĞİ, Undergraduate, 2015 - 2016
NUMERICAL ANALYSIS, Undergraduate, 2016 - 2017
ELEKTRİKLİ VE HİBRİT TAŞIT TEKİNİĞİ, Postgraduate, 2016 - 2017
COMBUSTION THEORY, Doctorate, 2014 - 2015
İÇTEN YANMALI MOTORLAR, Undergraduate, 2014 - 2015
ADVANCED NUMERICAL METHODS IN ENGINEERING, Postgraduate, 2014 - 2015
YAKITLAR VE YANMA, Undergraduate, 2014 - 2015
MOTOR ELEMANLARI TASARIMI, Undergraduate, 2014 - 2015

Advising Theses

BİLGİN A., EN DÜŞÜK VİSKOZİTELİ ATIK KIZARTMA YAĞI BİYODİZELİNİN ÜRETİMİ VE YAKIT DEMETİ KARAKTERİSTİKLERİNİN İNCELENMESİ, Doctorate, M.GÜLÜM(Student), 2020
BİLGİN A., BENZİN MOTORU TASARIMI İÇİN BİLGİSAYAR PROGRAMI GELİŞTİRİLMESİ, Postgraduate, P.OLĞUN(Student), 2020
BİLGİN A., Yakıt olarak biyodizel-dizel yakıtı karışımlarının kullanıldığı tek silindirli bir dizel motoruna ekserji analizinin uygulanması, Postgraduate, A.Çakmak(Student), 2014
BİLGİN A., Çeşitli Üretim Parametrelerinin Mısır ve Fındık Yağından Üretilen Biyodizellerin Önemli Yakıt Özelliklerine Etkilerinin Deneysel Olarak İncelenmesi, Postgraduate, M.Gülüm(Student), 2014
BİLGİN A., Bir Buji Ateşlemeli Motorda İkiz-Buji Kullanılmasının Yanma ve Motor Performans Karakteristikleri Üzerindeki Etkisinin Teorik Olarak İncelenmesi, Doctorate, İ.Altın(Student), 2010
BİLGİN A., Buji Ateşlemeli Motor Çevrimine Ekserji Analizinin Uygulanması, Doctorate, İ.Sezer(Student), 2008
BİLGİN A., Dizel Motorlarında Biyodizel – Dizel Yakıtı Karışımlarının Kullanılmasının Motor Performansına Etkisinin Deneysel Olarak İncelenmesi, Postgraduate, C.Soyсал(Student), 2008
BİLGİN A., İki Bujili Ateşleme Sistemine Sahip Bir Benzin Motorunun Sanki-Boyutlu İki-Bölgeli Termodinamik Çevrim Modeli, Postgraduate, İ.Altın(Student), 2004
BİLGİN A., Normal Benzine Metanol ve MTBE Katılmasının Buji Ateşlemeli Motorun Performansına ve Eksoz Emisyonlarına Etkisinin Deneysel İncelenmesi, Postgraduate, İ.Sezer(Student), 2002

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The modeling and analysis of transesterification reaction conditions in the selection of optimal biodiesel yield and viscosity**
Gülüm M., Yesilyurt M. K., Bilgin A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, pp.10351-10366, 2020 (SCI-Expanded)
- II. **Theoretical investigation on combustion characteristics of ethanol-fueled dual-plug SI engine**
Altın İ., Bilgin A., Sezer İ.
FUEL, vol.257, 2019 (SCI-Expanded)
- III. **The performance assessment of cubic spline interpolation and response surface methodology in the mathematical modeling to optimize biodiesel production from waste cooking oil**
Gülüm M., Yesilyurt M. K., Bilgin A.
FUEL, vol.255, 2019 (SCI-Expanded)
- IV. **Measurement and estimation of densities of different biodiesel-diesel-alcohol ternary blends**
Gülüm M., Onay F. K., Bilgin A.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.38, 2019 (SCI-Expanded)
- V. **Two-dimensional surface models to predict the density of biodiesel-diesel-alcohol ternary blends**
Gülüm M., Bilgin A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2019 (SCI-Expanded)

- VI. **Comparison of viscosity prediction capabilities of regression models and artificial neural networks**
Gülüm M., Onay F. K., Bilgin A.
ENERGY, vol.161, pp.361-369, 2018 (SCI-Expanded)
- VII. **A comprehensive study on measurement and prediction of viscosity of biodiesel-diesel-alcohol ternary blends**
Gülüm M., Bilgin A.
ENERGY, vol.148, pp.341-361, 2018 (SCI-Expanded)
- VIII. **The effect of metyrosine on oxidative gastric damage induced by ischemia/reperfusion in rats. Biochemical and histopathological evaluation.**
ÇİMEN O., ÇİMEN F., Gülaboğlu M., BİLGİN A., Çekiç A. B., EKEN H., SÜLEYMAN Z., BİLGİN Y., ALTUNER D.
Acta chirurgica brasileria, vol.33, pp.259-267, 2018 (SCI-Expanded)
- IX. **Parametric study on some combustion characteristics in a natural gas fueled dual plug SI engine**
Altın İ., Bilgin A., Ceper B. A.
ENERGY, vol.139, pp.1237-1242, 2017 (SCI-Expanded)
- X. **Measurements and empirical correlations in predicting biodiesel-diesel blends' viscosity and density**
Gülüm M., Bilgin A.
FUEL, vol.199, pp.567-577, 2017 (SCI-Expanded)
- XI. **Exergy and energy analysis with economic aspects of a diesel engine running on biodiesel-diesel fuel blends**
Cakmak A., BİLGİN A.
INTERNATIONAL JOURNAL OF EXERGY, vol.24, pp.151-172, 2017 (SCI-Expanded)
- XII. **Two-term power models for estimating kinematic viscosities of different biodiesel-diesel fuel blends**
Gülüm M., Bilgin A.
FUEL PROCESSING TECHNOLOGY, vol.149, pp.121-130, 2016 (SCI-Expanded)
- XIII. **FARKLI BUJİ SAYILARI VE KONUMLARINA SAHİP BUJİ ATEŞLEMELİ BİR MOTORDA ATEŞLEME AVANSININ MOTOR PERFORMANS PARAMETRELERİ ÜZERİNDEKİ ETKİSİ**
ALTIN İ., BİLGİN A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, pp.361-368, 2016 (SCI-Expanded)
- XIV. **The Effect of Spark Advance on Engine Performance Characteristics in a Spark Ignition Engine having Various Spark Plug Numbers and Locations**
ALTIN İ., BİLGİN A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, pp.361-368, 2016 (SCI-Expanded)
- XV. **THE EFFECT OF SPARK ADVANCE ON ENGINE PERFORMANCE CHARACTERISTICS IN A SPARK IGNITION ENGINE HAVING VARIOUS SPARK PLUG NUMBERS AND LOCATIONS**
Altın İ., Bilgin A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, pp.361-368, 2016 (SCI-Expanded)
- XVI. **Quasi-dimensional modeling of a fast-burn combustion dual-plug spark-ignition engine with complex combustion chamber geometries**
Altın İ., Bilgin A.
APPLIED THERMAL ENGINEERING, vol.87, pp.678-687, 2015 (SCI-Expanded)
- XVII. **Density, flash point and heating value variations of corn oil biodiesel-diesel fuel blends**
Gülüm M., Bilgin A.
FUEL PROCESSING TECHNOLOGY, vol.134, pp.456-464, 2015 (SCI-Expanded)
- XVIII. **COMPARISON OF OPTIMUM REACTION PARAMETERS OF CORN OIL BODIESELS PRODUCED BY USING SODIUM HYDROXIDE (NaOH) AND POTASSIUM HYDROXIDE (KOH)**
Gülüm M., Bilgin A., Cakmak A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, pp.503-511, 2015 (SCI-Expanded)

- XIX. **Exergetic Analysis of Using the Gaseous Fuels in Spark Ignition Engines**
Sezer I., BİLGİN A.
JOURNAL OF THERMOPHYSICS AND HEAT TRANSFER, vol.28, no.2, pp.347-355, 2014 (SCI-Expanded)
- XX. **Effects of charge properties on exergy balance in spark ignition engines**
Sezer I., BİLGİN A.
FUEL, vol.112, pp.523-530, 2013 (SCI-Expanded)
- XXI. **COMPARATIVE INVESTIGATION THE USE OF METHANOL AND METHYL TERTIARY BUTYL ETHER IN GASOLINE ON ENGINE PERFORMANCE, CO EMISSIONS AND FUEL COST**
Sezer I., BİLGİN A.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.33, no.2, pp.35-44, 2013 (SCI-Expanded)
- XXII. **Exergetic Evaluation of Speed and Load Effects in Spark Ignition Engines**
Sezer I., BİLGİN A.
OIL & GAS SCIENCE AND TECHNOLOGY-REVUE D IFP ENERGIES NOUVELLES, vol.67, no.4, pp.647-660, 2012 (SCI-Expanded)
- XXIII. **A parametric study on the performance parameters of a twin-spark SI engine**
Altın İ., Bilgin A.
ENERGY CONVERSION AND MANAGEMENT, vol.50, pp.1902-1907, 2009 (SCI-Expanded)
- XXIV. **Investigation of the Effect of Dual Ignition on the Exhaust Emissions of an SI Engine Operating on Different Conditions by Using Quasi-Dimensional Thermodynamic Cycle Model**
Bilgin A., Altın İ., Sezer İ.
Strojarstvo, vol.51, no.5, pp.459-464, 2009 (SCI-Expanded)
- XXV. **Exergetic Analysis of Using Oxygenated Fuels in Spark-Ignition (SI) Engines**
Sezer İ., Altın İ., Bilgin A.
ENERGY & FUELS, vol.23, pp.1801-1807, 2009 (SCI-Expanded)
- XXVI. **Effects of the Stroke/Bore Ratio on the Performance Parameters of a Dual-Spark-Ignition (DSI) Engine**
Altın İ., Sezer İ., Bilgin A.
ENERGY & FUELS, vol.23, pp.1825-1831, 2009 (SCI-Expanded)
- XXVII. **Investigation of the Effect of Dual Ignition on the Exhaust Emissions of an SI Engine Operating on Different Conditions by Using Quasi-dimensional Thermodynamic Cycle Model**
BİLGİN A., ALTIN İ., Sezer İ.
Strojarstvo: Journal for Theory and Application in Mechanical Engineering, vol.51, no.5, pp.459-464, 2009 (SCI-Expanded)
- XXVIII. **Mathematical analysis of spark ignition engine operation via the combination of the first and second laws of thermodynamics**
Sezer I., BİLGİN A.
PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES, vol.464, no.2100, pp.3107-3128, 2008 (SCI-Expanded)
- XXIX. **Effects of methanol addition to gasoline on the performance and fuel cost of a spark ignition engine**
BİLGİN A., Sezer I.
ENERGY & FUELS, vol.22, no.4, pp.2782-2788, 2008 (SCI-Expanded)
- XXX. **Effects of methyl tert-butyl ether addition to base gasoline on the performance and CO emissions of a spark ignition engine**
Sezer I., BİLGİN A.
ENERGY & FUELS, vol.22, no.2, pp.1341-1348, 2008 (SCI-Expanded)
- XXXI. **Exergy analysis of SI engines**
Sezer I., BİLGİN A.
INTERNATIONAL JOURNAL OF EXERGY, vol.5, no.2, pp.204-217, 2008 (SCI-Expanded)
- XXXII. **Synthesis and characterization of a new (E,E)-dioxime and its mono and polynuclear complexes containing a 14-membered dithiadiaz macrocyclic moiety**

BILGIN A., ERTEM B., GOK Y., Dilber G., KILICARSLAN M.

Journal of Coordination Chemistry, vol.57, no.10, pp.883-891, 2004 (SCI-Expanded)

XXXIII. **Geometric features of the flame propagation process for an SI engine having dual-ignition system**
Bilgin A.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.26, no.11, pp.987-1000, 2002 (SCI-Expanded)

XXXIV. **The effects of diesel-ethanol blends on diesel engine performance**

Bilgin A., Durgun O., Sahin Z.

ENERGY SOURCES, vol.24, no.5, pp.431-440, 2002 (SCI-Expanded)

XXXV. **Numerical simulation of the cold flow in an axisymmetric non-compressing engine-like geometry**
Bilgin A.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.23, no.10, pp.899-908, 1999 (SCI-Expanded)

XXXVI. **A new vicinal-dioxime and its mono and trinuclear complexes containing the monoazatetraoxa macrocyclic moiety**

Karabocek S., BILGIN A., GOK Y.

TRANSITION METAL CHEMISTRY, vol.22, no.4, pp.420-424, 1997 (SCI-Expanded)

Articles Published in Other Journals

- I. **Düşük viskoziteli atık kızartma yağı etil esteri üretimi**
Gülüm M., Bilgin A., Cakmak A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.4, pp.674-682, 2020 (ESCI)
- II. **OPTIMIZATION OF TRANSESTERIFICATION OF WASTE COOKING OIL WITH METHANOL BY CUBIC SPLINE INTERPOLATION**
Gülüm M., Bilgin A.
SAE International Journal of Fuels and Lubricants, vol.13, no.2, pp.151-165, 2020 (ESCI)
- III. **Measurement and Prediction of Density and Viscosity of Different Diesel-Vegetable Oil Binary Blends**
Gülüm M., Bilgin A.
ENVIRONMENTAL AND CLIMATE TECHNOLOGIES, vol.23, pp.214-228, 2019 (ESCI)
- IV. **Density and viscosity measurements for olive oil biodiesel, diesel fuel and n-butyl alcohol ternary blends**
Gülüm M., Bilgin A.
Journal of Clean Energy Technologies, vol.6, no.2, pp.183-187, 2018 (Peer-Reviewed Journal)
- V. **Evaluation of Predictive Capabilities of Regression Models and Artificial Neural Networks for Density and Viscosity Measurements of Different Biodiesel-Diesel-Vegetable Oil Ternary Blends**
Gülüm M., Kutlu Onay F., Bilgin A.
ENVIRONMENTAL AND CLIMATE TECHNOLOGIES, vol.22, pp.179-205, 2018 (ESCI)
- VI. **An Experimental Optimization Research of Methyl and Ethyl Esters Production from Safflower Oil**
Gülüm M., Bilgin A.
ENVIRONMENTAL AND CLIMATE TECHNOLOGIES, vol.22, pp.132-148, 2018 (ESCI)
- VII. **Logarithmic and rational models to predict kinematic viscosities of sunflower biodiesel-diesel fuel blends**
Gülüm M., Bilgin A.
International Journal of Advances on Automotive and Technology, vol.2, no.1, pp.20-26, 2018 (Peer-Reviewed Journal)
- VIII. **Performance and Emissions of a Single Cylinder CI Engine Running on Corn Oil Methyl Ester-Diesel Blends**
Çakmak A., BILGIN A., GÜLÜM M.
Journal of Clean Energy Technologies, vol.5, no.4, pp.280-284, 2017 (Peer-Reviewed Journal)
- IX. **Viscosity correlation development for corn oil biodiesel-diesel fuel blends**

- Gülüm M., Bilgin A.
International Journal of Smart Grid and Clean Energy, vol.6, pp.165-170, 2017 (Scopus)
- X. **Production of the lowest viscosity waste cooking oil biodiesel by using ethanol and potassium hydroxide**
Gülüm M., Bilgin A., Cakmak A.
Journal of Clean Energy Technologies, vol.5, no.4, pp.289-293, 2017 (Peer-Reviewed Journal)
- XI. **Determination of densities and viscosities of canola oil biodiesel-diesel fuel-isopropyl alcohol blends**
Gülüm M., Bilgin A.
International Journal of Smart Grid and Clean Energy, vol.6, pp.177-181, 2017 (Scopus)
- XII. **Bir Dizel Motorunda Mısır Yağı Biyodizeli Kullanımının Termodinamik Analizi**
Çakmak A., BİLGİN A.
GAZİ ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ PART: C TASARIM VE TEKNOLOJİ, vol.5, no.2, pp.87-97, 2017 (Peer-Reviewed Journal)
- XIII. **Determination Of Transesterification Reaction Parameters Giving The Lowest Viscosity Waste Cooking Oil Biodiesel**
BİLGİN A., GÜLÜM M., Koyuncuoğlu İ., Naç E., Çakmak A.
Procedia - Social and Behavioral Sciences, vol.195, no.2015, pp.2492-2500, 2015 (Peer-Reviewed Journal)
- XIV. **Farklı Çalışma Koşullarında Dietil Eter – Dizel Yakıt Karışımlarının Motor Performansına Etkisinin İncelenmesi**
Sezer İ., BİLGİN A.
Mühendis ve Makina, vol.53, no.631, pp.42-49, 2012 (Peer-Reviewed Journal)
- XV. **Piston Oyuğunun Alev Cephesinin Geometrik Özelliklerine Etkisi**
BİLGİN A.
Mühendis ve Makina, vol.41, no.487, pp.19-25, 2000 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Temperature Dependence of Densities of Different Biodiesel-Diesel-Alcohol Ternary Blends**
Gülüm M., Bilgin A.
in: Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018), Nicolae Burnete and Bogdan Ovidiu Varga, Editor, Springer Nature Switzerland AG, Zug, pp.225-233, 2018
- II. **Development of Two-Dimensional Models for Estimating Densities of Biodiesel-Diesel-Alcohol Ternary Blends**
Gülüm M., Olusegun David S., Bilgin A.
in: Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018, Nicolae Burnete and Bogdan Ovidiu Varga, Editor, Springer Nature Switzerland AG, Zug, pp.249-257, 2018
- III. **PART 3 Alternative Fuels and Materials, Chapter 3.7 - Regression Models for Predicting Some Important Fuel Properties of Corn Oil Biodiesel-Diesel Fuel Blends**
Bilgin A., Gülüm M.
in: Exergetic, Energetic and Environmental Dimensions, Dincer I., Colpan C.O., Kizilkan O., Editor, Academic Press, Amsterdam, pp.829-850, 2018
- IV. **PART 3 Alternative Fuels and Materials, Chapter 3.10 - Research on Reaction Parameters About Hazelnut Oil Methyl Ester Production**
Gülüm M., Bilgin A.
in: Exergetic, Energetic and Environmental Dimensions, Dincer I., Colpan C.O., Kizilkan O., Editor, Academic Press, Amsterdam, pp.873-894, 2018
- V. **CHAPTER 3.7 Regression Models for Predicting Some Important Fuel Properties of Corn and Hazelnut Oil Biodiesel-Diesel Fuel Blends**
GÜLÜM M., BİLGİN A.
in: Exergetic, Energetic and Environmental Dimensions, Ibrahim Dincer, C. Ozgur Colpan, Onder Kizilkan, Editor,

Elsevier, London, pp.829-850, 2018

- VI. **Effects of Temperature and Biodiesel Fraction on Densities of Commercially Available Diesel Fuel and Its Blends with the Highest Methyl Ester Yield Corn Oil Biodiesel Produced by Using NaOH**
BİLGİN A., GÜLÜM M.
in: Exergy for A Better Environment and Improved Sustainability 2, Fethi Aloui, İbrahim Dincer, Editor, Springer, pp.67-82, 2018
- VII. **Effects of Temperature and Biodiesel Fraction on Dynamic Viscosities of Commercially Available Diesel Fuels and Its Blends with the Highest Methyl Ester Yield Corn Oil Biodiesel Produced by Using KOH**
Gülüm M., Bilgin A.
in: Exergy for A Better Environment and Improved Sustainability, Volume 2, Fethi Aloui and İbrahim Dincer, Editor, Springer International Publishing, Zug, pp.1-1469, 2018
- VIII. **Effects of Temperature and Biodiesel Fraction on Densities of Commercially Available Diesel Fuel and Its Blends with the Highest Methyl Ester Yield Corn Oil Biodiesel Produced by Using NaOH**
Bilgin A., Gülüm M.
in: Exergy for A Better Environment and Improved Sustainability, Volume 2, Fethi Aloui and İbrahim Dincer, Editor, Springer International Publishing Ag, Zug, pp.67-82, 2018
- IX. **BÖLÜM 17 SIKIŞTIRILABİLİR AKIŞ**
BİLGİN A.
in: TERMODİNAMİK - MÜHENDİSLİK YAKLAŞIMIYLA, 7. baskının çevirisi, Pınarbaşı A, Editor, Palme Yayıncılık, Ankara, pp.843-901, 2013
- X. **BÖLÜM 10 BUHARLI VE BİRLEŞİK GÜÇ ÇEVİRİMLERİ**
BİLGİN A.
in: TERMODİNAMİK - MÜHENDİSLİK YAKLAŞIMIYLA, 7. baskının çevirisi, Pınarbaşı A, Editor, Palme Yayıncılık, Ankara, pp.551-605, 2013
- XI. **BÖLÜM 6 TERMODİNAMİĞİN İKİNCİ YASASI**
BİLGİN A.
in: TERMODİNAMİK - MÜHENDİSLİK YAKLAŞIMIYLA, 7. baskının çevirisi, Pınarbaşı A., Editor, Palme Yayıncılık, Ankara, pp.273-325, 2013
- XII. **BÖLÜM 9 GAZ AKIŞKANLI GÜÇ ÇEVİRİMLERİ**
BİLGİN A.
in: TERMODİNAMİK - MÜHENDİSLİK YAKLAŞIMIYLA, 7. baskının çevirisi, Pınarbaşı A., Editor, Palme Yayıncılık, Ankara, pp.483-550, 2013
- XIII. **BÖL. 6 TERMO. İKİNCİ YASASI; BÖL. 9 GAZ AKIŞ. GÜÇ ÇEVİR.; BÖL. 10 BUH. VE BİRLEŞİK GÜÇ ÇEV. ; BÖL. 17 SIKIŞTIRILABİLİR AKIŞ**
BİLGİN A.
in: TERMODİNAMİK - MÜHENDİSLİK YAKLAŞIMIYLA, 5. baskının çevirisi, Pınarbaşı A., Editor, Güven Bilimsel, İzmir, pp.487-605, 2011

Refereed Congress / Symposium Publications in Proceedings

- I. **Theoretical investigation on combustion characteristics of ethanol-fueled dual-plug SI engine**
ALTIN İ., BİLGİN A., SEZER İ.
7th International Conference on Renewable Fuels Combustion and Fire, Antalya, Turkey, 10 - 12 March 2019, pp.345-346
- II. **INVESTIGATION the EFFECT of TEMPERATURE on DENSITIES of CORN OIL (CO)-DIESEL FUEL (DF) BLENDS**
Gülüm M., Cakmak A., Bilgin A.
4th International Energy & Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, pp.158-163
- III. **TEMPERATURE DEPENDENT DYNAMIC VISCOSITY OF VEGETABLE OIL BIODIESEL BLENDS**

Gülüm M., Cakmak A., Bilgin A.

4th International Energy & Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, pp.152-157

- IV. **Measurement and Prediction of Dynamic Viscosities of Vegetable Oil-Diesel Fuel Blends**
Gülüm M., Bilgin A.
3 rd International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 19 - 21 September 2019, pp.1073-1076
- V. **The Effects of Transesterification Reaction Parameters on Viscosity of Waste Cooking Oil Biodiesels Produced by Using Potassium Methoxide and Ethanol**
Gülüm M., Bilgin A.
3 rd International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 19 - 21 September 2019, pp.1077-1082
- VI. **Prediction of viscosity of biodiesel-diesel fuel blends using two-dimensional surface models**
Gülüm M., Bilgin A.
1st International Symposium on Automotive Science and Technology, Ankara, Turkey, 5 - 07 September 2019, pp.1-10
- VII. **Effects of transesterification reaction parameters on viscosities of waste cooking oil methyl esters produced using potassium methoxide**
Gülüm M., Bilgin A.
1st International Symposium on Automotive Science and Technology, Ankara, Turkey, 5 - 07 September 2019, pp.1-10
- VIII. **Waste cooking oil ethyl ester production using sodium methoxide**
Gülüm M., Bilgin A.
1st International Symposium on Automotive Science and Technology, Ankara, Turkey, 5 - 07 September 2019, pp.1-10
- IX. **Production of waste cooking oil methyl ester using sodium methoxide**
GÜLÜM M., BİLGİN A.
Second International Karadeniz Congress of Applied Sciences, Rize, Turkey, 23 - 25 August 2019
- X. **Production of waste cooking oil methyl ester using sodium methoxide**
Gülüm M., Bilgin A.
Second International Karadeniz Congress of Applied Sciences, Rize, Turkey, 23 - 25 August 2019, pp.198-210
- XI. **Measurement and estimation of density of vegetable oil-biodiesel blends**
Gülüm M., Bilgin A.
Second International Karadeniz Congress of Applied Sciences, Rize, Turkey, 23 - 25 August 2019, pp.193-197
- XII. **Density variations of biodiesel-diesel-isopropanol ternary blends**
GÜLÜM M., BİLGİN A.
4th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 19 - 21 December 2018, vol.1, no.1, pp.1-5
- XIII. **Prediction of density of waste cooking oil ethyl ester-diesel-ethanol ternary blends at various temperatures**
Gülüm M., Bilgin A.
4th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 19 - 21 December 2018, pp.1387-1391
- XIV. **A parametric experimental study on biodiesel production from corn and hazelnut oils**
Gülüm M., Bilgin A.
4th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 19 - 21 December 2018, pp.1392-1395
- XV. **Production of Corn and Hazelnut Oil Methyl Esters Using Sodium Hydroxide and Methyl Alcohol**
Gülüm M., Bilgin A.
1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, Ankara, Turkey, 8 - 09 November 2018, pp.429-433
- XVI. **Density Variation of Ethyl Ester-Diesel-Butanol Ternary Blends**

- Gülüm M., Bilgin A.
1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, Ankara, Turkey,
8 - 09 November 2018, pp.442-446
- XVII. **Temperature and Biodiesel Fraction Dependence of Density of Biodiesel-Diesel Fuel Blends**
Gülüm M., Bilgin A.
1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, Ankara, Turkey,
8 - 09 November 2018, pp.438-441
- XVIII. **Density and Viscosity Changes of Corn Oil Biodiesel-Diesel Fuel Binary Blends**
Gülüm M., Bilgin A.
1st International Conference on Advances in Mechanical and Mechatronics Engineering ICAMMEN, Ankara, Turkey,
8 - 09 November 2018, pp.434-437
- XIX. **Temperature Dependence of Densities of Different Biodiesel-Diesel-Alcohol Ternary Blends**
GÜLÜM M., BİLGİN A.
Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018), Cluj-Napoca, Romania, 17 - 19 October 2018, pp.225-233
- XX. **Development of Two-Dimensional Models for Estimating Densities of Biodiesel-Diesel-Alcohol Ternary Blends**
GÜLÜM M., Samuel O. D., BİLGİN A.
Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018), Cluj-Napoca, Romania, 17 - 19 October 2018, pp.249-257
- XXI. **An experimental optimization research of methyl and ethyl ester production**
Gülüm M., Bilgin A.
CONNECT 2018, Riga, Latvia, 16 - 18 May 2018, pp.1-10
- XXII. **Measurement and prediction of density and viscosity of different diesel-vegetable oil binary blends**
BİLGİN A., GÜLÜM M.
CONNECT 2018, Riga, Latvia, 16 - 18 May 2018, vol.1, no.1, pp.1-10
- XXIII. **Evaluation of predictive capabilities of regression models and artificial neural networks for density and viscosity measurements of different biodiesel-diesel-vegetable oil ternary blends**
GÜLÜM M., Onay F. K., BİLGİN A.
CONNECT 2018, Riga, Latvia, 16 - 18 May 2018, vol.1, no.1, pp.1-10
- XXIV. **Effects of Temperature and Biodiesel Fraction on Densities of Commercially Available Diesel Fuel and Its Blends with the Highest Methyl Ester Yield Corn Oil Biodiesel Produced by Using NaOH**
BİLGİN A., GÜLÜM M.
7th International Exergy, Energy and Environmental Symposium (IEEES), Valenciennes, France, 27 - 30 April 2015, pp.67-82
- XXV. **Effects of various transesterification parameters on the some fuel properties of hazelnut oil methyl ester**
Bilgin A., Gülüm M.
International Scientific Conference on Environmental and Climate Technologies (CONNECT), Riga, Latvia, 16 - 18 May 2018, vol.147, pp.54-62
- XXVI. **Investigation of the Performance Characteristics in a Natural Gas Fuelled Twin Spark SI Engine**
ALTIN İ., BİLGİN A.
2nd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.905-910
- XXVII. **Determination of optimum speed range for a DI diesel engine via emission and exergy analysis**
Çakmak A., BİLGİN A.
International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, vol.1, no.1, pp.1
- XXVIII. **Investigation of the Performance Characteristics in a Natural Gas Fuelled Twin Spark SI Engine**
ALTIN İ., BİLGİN A.
International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1

- XXIX. **Spherical Flame Front Propagation Model and its Validation in Simplified Pent-Roof Combustion Chamber**
ALTIN İ., BİLGİN A.
6th International Conference on Renewable Fuels Combustion and Fire, Kayseri, Turkey, 18 - 21 May 2017, pp.323
- XXX. **Spherical Flame Front Propagation Model and its Validation in Simplified Pent-Roof Combustion Chamber**
ALTIN İ., BİLGİN A.
6 th International Conference on Renewable Fuels Combustion and Fire, Nevşehir, Turkey, 18 - 21 May 2017, pp.323
- XXXI. **Viscosity Correlation Development for Corn Oil Biodiesel-Diesel Fuel Blends**
GÜLÜM M., BİLGİN A.
6th International Conference on Clean and Green Energy, Frankfurt, Germany, 8 - 10 February 2017, pp.1-5
- XXXII. **Density and Viscosity Measurements for Olive Oil Biodiesel, Diesel Fuel and n-Butyl Alcohol Ternary Blends**
GÜLÜM M., BİLGİN A.
6th International Conference on Clean and Green Energy, Frankfurt, Germany, 8 - 10 February 2017, vol.1, no.1, pp.1-5
- XXXIII. **Determination of Densities and Viscosities of Canola Oil Biodiesel-Diesel Fuel-Isopropyl Alcohol Blends**
Gülüm M., Bilgin A.
6th International Conference on Clean and Green Energy, Frankfurt, Germany, 8 - 10 February 2017, pp.39-40
- XXXIV. **Density and Kinematic Viscosity Variations of Waste Cooking Oil Biodiesel, Diesel Fuel and n-Pentanol Ternary Blends**
Gülüm M., Bilgin A.
ISTANBUL INTERNATIONAL CONFERENCE ON PROGRESS IN APPLIED SCIENCE 2017 - ICPAS 2017, İSTANBUL, İstanbul, Turkey, 4 - 06 January 2017, pp.1-7
- XXXV. **Logarithmic and Rational Models to Predict Kinematic Viscosities of Sunflower Biodiesel-Diesel Fuel Blends**
Gülüm M., Bilgin A.
ISTANBUL INTERNATIONAL CONFERENCE ON PROGRESS IN APPLIED SCIENCE 2017 - ICPAS 2017, İstanbul, Turkey, 4 - 06 January 2017, vol.1, no.1, pp.1-7
- XXXVI. **Parametric study on some combustion characteristics in a natural gas fueled dual plug SI engine**
ALTIN İ., BİLGİN A., ALBAYRAK ÇEPER B.
9th International Conference on Sustainable Energy Environmental Protection, Kayseri, Turkey, 22 - 24 September 2016, pp.596-603
- XXXVII. **Parametric study on some combustion characteristics in a natural gas fueled dual plug SI engine**
ALTIN İ., BİLGİN A., ÇEPER B. A.
9th International Conference on Sustainable Energy & Environmental Protection, Kayseri, Turkey, 22 - 24 September 2016, pp.595-603
- XXXVIII. **PARAMETRIC STUDY ON SOME COMBUSTION CHARACTERISTICS IN A NATURAL GAS FUELED DUAL PLUG SI ENGINE**
Altın İ., Bilgin A., Çeper B. A.
9th International Conference on Sustainable Energy & Environmental Protection, Kayseri, Turkey, 22 - 25 September 2016, vol.1, no.1, pp.596-603
- XXXIX. **Performance and Emissions of a Single Cylinder CI Engine Running on Corn Oil Methyl Ester-Diesel Blends**
Çakmak A., BİLGİN A., GÜLÜM M.
2016 2nd International Conference on Renewable Energy and Bioenergy, (ICREB 2016), Consanta, Romania, 29 June - 02 July 2016, vol.1, no.1, pp.1
- XL. **Production of The Lowest Viscosity Waste Cooking Oil Biodiesel by Using Ethanol and Potassium Hydroxide**

GÜLÜM M., BİLGİN A., Çakmak A.

2016 2nd International Conference on Renewable Energy and Bioenergy, (ICREB 2016), Constanta, Romania, 29 June - 02 July 2016, vol.1, no.1, pp.1

- XLII. **Regression models for predicting some important fuel properties of corn oil biodiesel diesel fuel blends**
BİLGİN A., GÜLÜM M.
8th International Exergy, Energy and Environment Symposium, 1 - 04 May 2016
- XLIII. **Regression models for predicting some important fuel properties of corn oil biodiesel-diesel fuel blends**
BİLGİN A., GÜLÜM M.
Proceedings of the 8th International Exergy, Energy and Environmental Symposium, Antalya, Turkey, 1 - 04 May 2016, vol.1, no.1, pp.715-722
- XLIV. **Production of hazelnut oil biodiesel through investigating KOH-catalyzed transesterification reaction parameters**
Gülüm M., Bilgin A.
Proceedings of the 8th International Exergy, Energy and Environmental Symposium, Antalya, Turkey, 1 - 04 May 2016, pp.692-698
- XLV. **Rational and hyperbolic models to estimate kinematic viscosities of hazelnut oil biodiesel-diesel fuel blends**
Gülüm M., Bilgin A.
Proceedings of the 8th International Exergy, Energy and Environmental Symposium, Antalya, Turkey, 1 - 04 May 2016, pp.723-729
- XLVI. **Second law analysis of a CI engine fuelled with biodiesel-diesel blends**
Çakmak A., BİLGİN A.
Proceedings of the 8th International Exergy, Energy and Environmental Symposium, Antalya, Turkey, 1 - 04 May 2016, vol.1, no.1, pp.699-705
- XLVII. **Determination Of Transesterification Reaction Parameters Giving The Lowest Viscosity Waste Cooking Oil Biodiesel**
BİLGİN A., GÜLÜM M., Naç E., Koyuncuoglu İ., ÇAKMAK A.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.1-10
- XLVIII. **Effects Of Temperature And Biodiesel Fraction On Dynamic Viscosities Of Commercially Available Diesel Fuels And Its Blends With The Highest Methyl Ester Yield Corn Oil Biodiesel Produced By Using Of KOH**
GÜLÜM M., BİLGİN A.
The 7th International Exergy, Energy and Environmental Symposium, Valenciennes, FRANSA, 27 - 30 April 2015
- XLIX. **Effects of temperature and biodiesel fraction on densities of commercially available diesel fuels and its blends with the highest methyl ester yield corn oil biodiesel produced by using of NaOH**
BİLGİN A., GÜLÜM M.
The 7th International Exergy, Energy and Environmental Symposium, Valenciennes, FRANSA, 27 - 30 April 2015
- L. **Effects of temperature and biodiesel fraction on densities of commercially available diesel fuels and its blends with the highest methyl ester yield corn-oil biodiesel produced by using of NaOH: Part I**
BİLGİN A., GÜLÜM M.
IEEES7 - The 7th International Exergy, Energy and Environmental Symposium, Valenciennes, France, 27 - 30 April 2015, vol.1, no.1, pp.1-7
- LI. **Effects Of Temperature And Biodiesel Fraction On Dynamic Viscosities Of Commercially Available Diesel Fuels And Its Blends With The Highest Methyl Ester Yield Corn-Oil Biodiesel Produced By Using Of KOH: Part II**
GÜLÜM M., BİLGİN A.
IEEES7 - The 7th International Exergy, Energy and Environmental Symposium, Valenciennes, France, 27 - 30 April 2015, vol.1, no.1, pp.1-9
- LII. **Determination of transesterification reaction parameters giving the lowest viscosity waste cooking**

oil biodiesel

Bilgin A., Gülüm M., Koyuncuoglu I., Naç E., Cakmak A.

World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2492-2500

- LII. **The effects of temperature and biodiesel fraction on the viscosity of biodiesel-diesel fuel blends**
Bilgin A., Gülüm M.
The European Conference on Sustainability, Energy & the Environment 2014 (ECSEE2014), Brighton, United Kingdom, 3 - 06 July 2014, pp.57-76
- LIII. **The Effects Of Temperature And Biodiesel Fraction On The Viscosity Of Biodiesel-Diesel Fuel Blends**
GÜLÜM M., BİLGİN A.
The European Conference on Sustainability, Energy & the Environment 2014 (ECSEE2014), Brighton, United Kingdom, 3 - 06 July 2014, pp.1-8
- LIV. **Çeşitli üretim parametrelerinin NaOH kullanılarak üretilen mısır yağı biyodizelinin bazı yakıt özelliklerine etkisi**
Gülüm M., Bilgin A.
OTEKON 2014 7. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 26 - 27 May 2014, pp.152-159
- LV. **Çeşitli Üretim Parametrelerinin Naoh Kullanılarak Üretilen Mısır Yağı Biyodizelinin Bazı Yakıt Özelliklerine Etkisi**
GÜLÜM M., BİLGİN A.
OTEKON 2014 7. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 26 - 27 May 2014, pp.1-10
- LVI. **Buji ateşlemeli bir motorda çift buji kullanılmasının motor performans karakteristikleri ve egzoz emisyonları üzerindeki etkilerinin teorik olarak incelenmesi**
ALTIN İ., BİLGİN A.
19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1151-1156
- LVII. **Buji ateşlemeli bir motorda çift buji kullanılmasının motor performans karakteristikleri ve egzoz emisyonları üzerindeki etkilerinin teorik olarak incelenmesi**
Altın İ., Bilgin A.
ULIBTK'13 19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1167-1172
- LVIII. **Alternatif gaz yakıtların buji ateşlemeli motorlarda kullanımının ekserji analizi**
Sezer İ., BİLGİN A.
ULIBTK'13 19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1159-1166
- LIX. **Buji ateşlemeli bir motorda çift buji kullanılmasının motor performans karakteristikleri ve egzoz emisyonları üzerindeki etkilerinin teorik olarak incelenmesi**
ALTIN İ., BİLGİN A.
ULIBTK'13 19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1167-1172
- LX. **Dietil eter-dizel karışımlarının motor performansına etkilerinin deneysel incelenmesi**
Sezer İ., BİLGİN A.
12. Otomotiv ve Üretim Teknolojileri Sempozyumu, Bursa, Turkey, 13 - 14 May 2011, pp.1-6
- LXI. **Modeling of the Developing Flame Geometry for a Pentroof-Type Dual-Spark SI Engine by using a 3D-CAD Software**
Altın İ., Bilgin A.
11th International Combustion Symposium, Sarajevo, Bosnia And Herzegovina, 24 - 27 June 2010, pp.1-7
- LXII. **Modeling of the developing flame geometry for a pentroof type dual spark SI engine by using a 3D CAD software**
ALTIN İ., BİLGİN A.
11th International Combustion Symposium, SARAYBOSNA, Bosnia And Herzegovina, 24 - 27 June 2010, pp.1-7
- LXIII. **Dizel Motorlarında Dizel Yakıtı-Biyodizel Yakıt Karışımlarının Kullanılmasının Motor Performansına Etkisi**
SOYSAL C., BİLGİN A.
11. Uluslararası Yanma Sempozyumu, Sarayosna, Bosnia And Herzegovina, 24 - 27 June 2010, pp.1-6
- LXIV. **Buji ateşlemeli motorda çift buji kullanılmasının egzoz emisyonları üzerindeki etkisinin farklı çalışma**

koşulları altında sanki boyutlu termodinamik çevrim modeli kullanılarak incelenmesi

Bilgin A., Altın İ., Sezer İ.

17. Ulusal Isı Bilimi ve Tekniği Kongresi, Sivas, Turkey, 24 - 27 June 2009, pp.857-862

- LXV. **Buji Ateşlemeli Bir Motorda Çift Buji Kullanılmasının Egzoz Emisyonları Üzerindeki Etkisinin Farklı Çalışma Koşulları Altında Sanki-Boyutlu Termodinamik Çevrim Modeli Kullanılarak İncelenmesi**
Bilgin A., Altın İ., Sezer İ.
17. Ulusal Isı Bilimi ve Tekniği Kongresi, Sivas, Turkey, 24 - 27 June 2009, pp.858-863
- LXVI. **Effects of spark locations on the performance parameters of a twin spark SI engine**
ALTIN İ., BİLGİN A., SEZER İ.
4th International Exergy, Energy And Environment Symposium, Sharjah, United Arab Emirates, 19 - 23 April 2009, pp.1-6
- LXVII. **Comparative investigation on the use of methanol and Methyl tert Butyl Ether in gasoline on the performance and fuel cost of a spark ignition engine**
BİLGİN A., SEZER İ., ALTIN İ.
4th International Exergy, Energy And Environment Symposium, Sharjah, United Arab Emirates, 19 - 23 April 2009, pp.1-6
- LXVIII. **Effects of Spark Locations on the Performance Parameters of a Twin-Spark SI Engine**
Altın İ., Bilgin A., Sezer İ.
Fourth International Exergy, Energy and Environment Symposium, Sharjah, United Arab Emirates, 19 - 23 April 2009, pp.1-10
- LXIX. **Comparative Investigation on the Use of Methanol and Methyl tert-Butyl Ether in Gasoline on the Performance and Fuel Cost of a Spark Ignition Engine**
Bilgin A., Sezer İ., Altın İ.
Fourth International Exergy, Energy and Environment Symposium, Sharjah, United Arab Emirates, 19 - 23 April 2009, pp.1-10
- LXX. **Buji ateşlemeli motorlarda alev cephesinin geometrik özelliklerinin katı model program kullanılarak belirlenmesi**
Altın İ., Bilgin A.
10. Uluslararası Yanma Sempozyumu, Sakarya, Turkey, 9 - 10 October 2008, pp.296-300
- LXXI. **Buji Ateşlemeli Motorlarda Alev Cephesinin Geometrik Özelliklerinin Katı Model Programı Kullanılarak belirlenmesi**
ALTIN İ., BİLGİN A.
10. Uluslararası Yanma Sempozyumu, Sakarya, Turkey, 9 - 10 October 2008, pp.296-300
- LXXII. **Strok çap oranının çift bujili buji ateşlemeli bir motorun yanma karakteristikleri üzerindeki etkisi**
BİLGİN A., SEZER İ., ALTIN İ.
4. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 1 - 04 June 2008, pp.59-63
- LXXIII. **Buji ateşlemeli motorlarda çalışma koşullarının etkilerinin ekserji analiziyle incelenmesi**
SEZER İ., ALTIN İ., BİLGİN A.
4. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 1 - 04 June 2008, pp.485-493
- LXXIV. **Buji Ateşlemeli Motorlarda Çalışma Koşullarının Etkilerinin Ekserji Analiziyle İncelenmesi**
Sezer İ., ALTIN İ., BİLGİN A.
4. Otomotiv Teknolojileri Kongresi (OTEKON'08), Bursa, Turkey, 1 - 04 June 2008, pp.485-493
- LXXV. **Strok/Çap Oranının Çift Bujili Buji Ateşlemeli bir Motorun Yanma Karakteristikleri Üzerindeki Etkisi**
BİLGİN A., Sezer İ., ALTIN İ.
4. Otomotiv Teknolojileri Kongresi (OTEKON'08), Bursa, Turkey, 1 - 04 June 2008, pp.59-63
- LXXVI. **Benzin motorlarında çift buji kullanımının motor performans parametrelerine etkisinin teorik olarak incelenmesi**
ALTIN İ., BİLGİN A.
15. Ulusal Isı Bilimi ve Tekniği Kongresi, Trabzon, Turkey, 7 - 09 September 2005, pp.192-196
- LXXVII. **İdeal Otto Çevrimine Kullanılabilirlik Analizinin Uygulanması**
Sezer İ., BİLGİN A.

15. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'05), Trabzon, Turkey, 7 - 09 September 2005, pp.187-191
- LXXVIII. **Benzin Motorlarında Çift Buji Kullanımının Motor Performans Parametrelerine Etkisinin Teorik Olarak İncelenmesi**
Altın İ., Bilgin A.
15. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'05), Trabzon, Turkey, 7 - 09 September 2005, pp.192-196
- LXXIX. **Silindir kafasında çift buji ikiz buji bulunan bir benzin motoru çevriminin sanki boyutlu termodinamik modellemesi**
BİLGİN A., ALTIN İ.
IX. Otomotiv ve Yan Sanayi Sempozyumu, Bursa, Turkey, 27 - 28 May 2005, pp.94-100
- LXXX. **Silindir Kafasında Çift Buji (İkiz Buji) Bulunan Bir Benzin Motoru Çevriminin Sanki-Boyutlu termodinamik Modellenmesi**
Altın İ., Bilgin A.
IX. Otomotiv ve Yan Sanayi Sempozyumu, TMMOB Makine Mühendisleri Odası, Bursa, Turkey, 27 - 28 May 2005, pp.94-100
- LXXXI. **Buji ateşlemeli motorlarda hızlı yanma**
ALTIN İ., BİLGİN A.
I. Ege Enerji Sempozyumu ve Sergisi, Bursa, Turkey, 22 - 24 May 2003, pp.262-266
- LXXXII. **Buji Ateşlemeli Motorlarda Hızlı Yanma**
Altın İ., Bilgin A.
1. Ege Enerji Sempozyumu ve Sergisi, Denizli, Turkey, 22 - 24 May 2003, pp.262-266
- LXXXIII. **Normal Benzine Metanol ve MTBE Katılmasının Motor Performansı ve Eksoz Emisyonları Üzerindeki Etkilerinin Karşılaştırmalı Olarak İncelenmesi**
Sezer İ., BİLGİN A.
1. Ege Enerji Sempozyumu ve Sergisi, Denizli, Turkey, 22 - 24 May 2003, pp.267-272
- LXXXIV. **Benzine MTBE Katılmasının Motor Performansına Etkisi**
Sezer İ., BİLGİN A.
7. Uluslararası Yanma Sempozyumu, Ankara, Turkey, 17 July - 18 September 2002, pp.205-216
- LXXXV. **Normal Benzine Metanol Katılmasının Motor Performansına Etkisi**
Sezer İ., BİLGİN A.
Otomotiv Teknolojileri Kongresi (OTEKON'02), Bursa, Turkey, 24 - 26 June 2002, pp.180-188
- LXXXVI. **Diesel Yakıtına TBME Katılmasının Motor Performansına Etkisi**
BİLGİN A., DURGUN O., ŞAHİN Z.
13. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'01), Konya, Turkey, 5 - 07 September 2001, pp.141-146
- LXXXVII. **Buji Ateşlemeli Motorlarda Yanmanın Modellenmesinde Kullanılan Yöntemler Üzerine Bir İnceleme**
BİLGİN A.
13. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'01), Konya, Turkey, 5 - 07 September 2001, pp.147-152
- LXXXVIII. **Piston Oyuğunun Alev Cephesinin geometrik Özelliklerine Etkisi**
BİLGİN A.
6. Uluslararası Yanma Sempozyumu, İstanbul, Turkey, 19 - 21 July 1999, pp.109-124
- LXXXIX. **The Effects of the Using of Bycosin 1030 as an Additive to Diesel Fuel on the Engine Performance**
ŞAHİN Z., DURGUN O., BİLGİN A.
11th International Conference on Thermal Engineering and Thermogrammetry (THERMO'09, Budapeşte, Hungary, 22 - 24 June 1999, vol.-, pp.267-272
- XC. **The effects of the using of bycosin 1030 as an additive to diesel fuel on the engine performance**
ŞAHİN Z., DURGUN O., BİLGİN A.
THERMO: international conference on thermal engineering and thermogrammetry, Budapeşte, Hungary, 16 - 18 June 1999, pp.267-272
- XCI. **Motorlarda Silindir İçi Akışlarla İlgili Deneysel Çalışmalar üzerine Bir İnceleme**
BİLGİN A.
Bilim Günleri, TMMOB Makina Mühendisleri Odası, Denizli, Turkey, 5 - 07 May 1999, pp.323-330
- XCII. **Effects of Some Combustion Chamber Design Parameters on Geometric Features of the Flame Front**

BİLGİN A.

Second Trabzon International Energy and Environment Symposium - TIEES-98, Trabzon, Turkey, 26 July 1998 - 29 July 1999, pp.135-137

XCIII. Çok boyutlu Türbülanslı Silindir-İçi Akış Modelleri

BİLGİN A.

11. Ulusal Isı Bilimi ve Tekniği Kongresi (ULIBTK'97), Edirne, Turkey, 17 - 19 September 1997, vol.2, pp.803-814

XCIV. Taşıt Motorlarında Kirletici Emisyonların Oluşum Mekanizmaları ve Önlenmesi

BİLGİN A., DURGUN O.

5. Yanma Sempozyumu, İstanbul, Turkey, 21 - 23 July 1997, pp.196-208

XCV. An Iterative Solution Method for Calculation of the Combustion Products Composition"

DURGUN O., ŞAHİN Z., BİLGİN A., BAYRAKTAR H.

Proceedings of the First Trabzon International Energy and Environment Symposium (TIEES-96), Trabzon, Turkey, 29 - 31 July 1996, vol.2, pp.781-788

XCVI. Numerical Prediction of In-Cylinder Flows During Intake and Exhaust Strokes in Axisymmetric Reciprocating Engines

BİLGİN A., DURGUN O., BAYRAKTAR H.

Numerical Methods in Laminar and Turbulent Flow, Atlanta, United States Of America, 10 - 14 July 1995, vol.9, pp.370-381

XCVII. Two-Dimensional Numerical Analysis of In-Cylinder Flows During Intake Stroke in Reciprocating Engines

BİLGİN A., DURGUN O.

First Asian Computational Fluid Dynamics Conference, Hong-Kong, Hong Kong, 16 - 19 January 1995, vol.1, pp.199-204

XCVIII. Farklı Kesit Şekline Sahip Boruları Birleştiren Geçiş Borularının Deneysel Olarak İncelenmesi

Atılğan M., BİLGİN A.

I. Balıkesir Mühendislik Sempozyumu, Balıkesir, Turkey, 26 - 27 April 1988, pp.62-71

Metrics

Publication: 164

Citation (WoS): 928

Citation (Scopus): 995

H-Index (WoS): 19

H-Index (Scopus): 20

Congress and Symposium Activities

World Conference on Technology, Innovation and Entrepreneurship, Attendee, İstanbul, Turkey, 2015

IEEEES7 - The 7th International Exergy, Energy and Environmental Symposium, Attendee, Valence, France, 2015