

Prof. İLKER YILMAZ

Personal Information

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International Researcher IDs

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Education Information

Post Doctorate, The University of Iowa, School of Engineering, Dept. of Mech and Industrial Engn, United States Of America 2008 - 2009

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2001 - 2006

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 1999 - 2001

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 1995 - 1999

Dissertations

Doctorate, MODEL BİR YAKICIDA HİDROJEN-METAN KARIŞIMININ YANMASININ SAYISAL VE DENEYSEL İNCELENMESİ , Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2006

Research Areas

Mechanical Engineering, Thermodynamics, Internal Combustion Engines, Computational fluid dynamics, Aeronautical and Space Engineering, Aeronautical Engineering , Flight Sciences, Aircraft System Technologies, Aerodynamics, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2015 - Continues

Professor, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2015 - 2015

Associate Professor, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2010 - 2015

Assistant Professor, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2007 - 2010

Lecturer, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2000 - 2007

Academic and Administrative Experience

Dean, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, 2016 - 2020

Courses

Uzmanlık Alan Dersi, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019
Sayısal Akışkanlar Dinamiği, Postgraduate, 2017 - 2018
Akışkanlar Mekaniği, Undergraduate, 2017 - 2018
Bitirme Ödevi, Undergraduate, 2014 - 2015
Uçak Tasarım Uygulamaları-II, Undergraduate, 2014 - 2015
Kimyasal Reaksiyon Akışları-II, Doctorate, 2013 - 2014
Yanma Teknolojisi, Postgraduate, 2013 - 2014, 2011 - 2012
İleri Gaz Dinamiği, Postgraduate, 2012 - 2013
Gaz Türbinli Motorlar-I, Undergraduate, 2012 - 2013
Pistonlu Motorlar-II, Undergraduate, 2010 - 2011
Gaz Türbinli Motorlarda Yanma ve Yakıt Sistemi, Postgraduate, 2009 - 2010, 2008 - 2009
Tepkili Tahrik Sistemleri, Postgraduate, 2007 - 2008
Hesaplamalı Akışkanlar Dinamiği, Postgraduate, 2007 - 2008
Teknik Resim, Undergraduate, 2003 - 2004
Mekanik, Undergraduate, 2003 - 2004

Advising Theses

Yılmaz İ., Oksijenli Yakıtların Yanma Kararsızlığın Deneysel İncelenmesi, Doctorate, B.ALABAŞ(Student), 2021
Yılmaz İ., Biyogaz yakıtların yanma karakteristiklerinin deneysel incelenmesi, Postgraduate, İ.SİVRİ(Student), 2019
Yılmaz İ., Sentetik Yakıtların Yanma Kararsızlığının Deneysel İncelenmesi, Doctorate, Ö.ÇAM(Student), 2019
Yılmaz I., Rüzgar Türbin Kanat Profillerinin Sayısal ve Deneysel İncelenmesi, Doctorate, C.Tarhan(Student), 2018
Yılmaz I., BİYOGAZ YANMASININ FARKLI SEYRELTİCİLER ALTINDA YANMA KARARSIZLIĞININ DENEYSEL İNCELENMESİ, Doctorate, Y.ÇAM(Student), 2018
Yılmaz I., Sentetik gaz yakıtların yanma karakteristiklerinin deneysel incelenmesi, Doctorate, H.Yılmaz(Student), 2018
Yılmaz I., İçten yanmalı bir motorda hidrojenle zenginleştirilmiş metanol-benzin karışımlarının performans ve emisyon etkisinin deneysel incelenmesi, Doctorate, M.Taştan(Student), 2018
YILMAZ I., Küçük Hava Araçlarında Hareketli Kanat Profillerinin İncelenmesi, Postgraduate, S.Keyinci(Student), 2015
YILMAZ I., Hidrojenin Ön Karışım ve Difüzyon Yanmasının Sayısal Analizi, Postgraduate, İ.Özdemir(Student), 2014

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Erciyes University, May, 2021
Associate Professor Exam, Associate Professor Exam, Mersin Üniversitesi, March, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Erzincan Binali Yıldırım Üniversitesi, January, 2021
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, October, 2020
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, March, 2020
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, January, 2020
Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, December, 2019
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, October, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kapadokya Üniversitesi, January, 2019
Post Graduate, Savunma Sınavı, Niğde Ömer Halis Demir Üniversitesi, November, 2018
Associate Professor Exam, Doçentlik Sınavı , ÜAK, September, 2018
Associate Professor Exam, Associate Professor Exam, İstanbul Teknik Üniversitesi, October, 2017
Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Jüri Üyesi, Ahi Evran Üniversitesi, October, 2017
Associate Professor Exam, Doçentlik Sözlü Sınavı, İstanbul Teknik Üniversitesi Makine Fakültesi, March, 2017

Doctorate, Doktora Savunma Sınavı, Gazi Üniversitesi, November, 2016
Associate Professor Exam, Doçentlik Sınavı Eser İnceleme Aşaması, ÜAK, March, 2016
Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçent Atama, Erciyes Üniversitesi, November, 2015
Appointment to Academic Staff-Assistant Professorship, Profesörlük Kadrosu Atama Jürisi, Aksaray Üniversitesi ,
September, 2015
Post Graduate, Yüksek Lisans, Gazi Üniversitesi, June, 2015
Doctorate, Doktora Yeterlilik Sınavı, Gazi Üniversitesi, April, 2015
Doctorate, Doktora Tezi, Niğde Üniversitesi, January, 2015
Doctorate, Doktora Sınavı, Gazi Üniversitesi, October, 2014
Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Ataması, Erciyes Üniversitesi, January, 2014
Post Graduate, Sınav, Niğde Üniversitesi, September, 2013
Doctorate, Sınav, Niğde Üniv., June, 2013
Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Kadrosu Atama, Erciyes Üniversitesi,
January, 2013
Academic Staff Examination, Öğr. Gör. Alımı , Erciyes Üniversitesi, January, 2013
Academic Staff Examination, Araş. Gör. Alımı Sınavı, Erciyes Üniversitesi, January, 2012
Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçentlik Atanması, Kapadokya Meslek Yüksekokulu,
January, 2012
Appointment to Academic Staff-Assistant Professorship, Öğretim Görevlisi Alımı, Kapadokya Meslek Yüksekokulu,
January, 2011
Academic Staff Examination, Öğr. Gör. Alımı, Erciyes Üniversitesi, January, 2011

Books & Book Chapters

- I. **Investigation of an Optimal Operating Condition for a Micro Combustor Regarding Basic Thermophotovoltaic System Requirements**
YILMAZ İ., YILMAZ H., ÇAM Ö.
in: The Role of Exergy in Energy and the Environment, Nizetic S., Papadopoulos A., Editor, Springer, London/Berlin , London/Berlin, pp.27-41, 2018
- II. **Investigating the hydrogen-natural gas blends as a fuel in Internal Combustion Engine**
YILMAZ İ.
in: IEEF "Alternative Fuels Research Progress", M.A.R. Sadiq Al-Baghdadi, Editor, Createspace Independent Publishing Platform, Newyork, pp.307-322, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Oxygen Enrichment on Flame Instability for A High Hydrogen Content Fuel Mixture**
TUNÇ G., TAŞTAN M., YILMAZ İ., ALABAŞ B.
8th International Conference on Renewable Fuels, Combustion and Fire (FCE'21), Ankara, Turkey, 5 - 07 March 2021, vol.1, pp.212-216
- II. **"Experimental Investigation of Effects of The Ratio of Swirler Hub Diameter to Outer Diameter (Dh/Do) on Synthetic Gas Flames: Part 2: Dynamic Flame Behaviour at Externally Altered Acoustic Conditions**
YILMAZ H., ÇAM Ö., YILMAZ İ.
The 16th International Conference of Young Scientists on Energy Issues (CYSENI 2019), 23 - 24 May 2019
- III. **Comparison of Combustion and Emission Characteristics of Output Synthetic Gas Compositions of Two Different Power Stations**
YILMAZ H., ÇAM Ö., YILMAZ İ.
VII. Mühendislikte Yakıtlar, Yanma ve Yangın Konferansı (7th International Conference on Renewable Fuels

Combustion and Fire – FCE2019), 10 - 13 March 2019

- IV. **Experimental Investigation of the Effect of Swirl Number on the Burning of Synthetic Gases in a Burner**
ALABAŞ B., TUNÇ G., TAŞTAN M., YILMAZ İ.
VII. Mühendislikte Yakıtlar, Yanma ve Yangın Konferansı (7th International Conference on Renewable Fuels Combustion and Fire – FCE2019), 10 - 12 March 2019
- V. **Numerical and Experimental Investigations Of E387 And SD7032 Wind Turbine Airfoils For 3 Different Reynolds Number Conditions**
Tarhan C., Taştan M., Yılmaz I.
International Eurasian Conference On Science, Engineering And Technology, Ankara, Turkey, 22 - 23 November 2018
- VI. **Laboratuvar ölçekli bir yakıcıda metan hidrojen karışımlarının deneysel incelenmesi**
Alabaş B., Tunç G., Taştan M., Yılmaz İ.
International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Turkey, 22 - 23 November 2018
- VII. **Laboratuvar Ölçekli Bir Yakıcıda Metan Hidrojen Karışımlarının Deneysel İncelenmesi**
ALABAŞ B., TUNÇ G., TAŞTAN M., YILMAZ İ.
INTERNATIONAL EURASIAN CONFERENCE ON SCIENCE, ENGINEERING AND TECHNOLOGY, Ankara, Turkey, 22 - 23 November 2018, pp.2541-2549
- VIII. **Yüksek H₂/CO Oranına Sahip Sentetik Gaz Yakıtların Yanma Karakteristiklerinin Deneysel İncelenmesi**
ÇAM Ö., YILMAZ H., YILMAZ İ.
1. Uluslararası GAP Matematik - Mühendislik - Fen ve Sağlık Bilimleri Kongresi, 4 - 07 October 2018
- IX. **Sentetik Gaz Yakıtların Yanma Kararsızlıklarının Deneysel İncelenmesi”**
YILMAZ İ., YILMAZ H., ÇAM Ö.
1. Uluslararası GAP Matematik - Mühendislik - Fen ve Sağlık Bilimleri Kongresi, 4 - 07 October 2018
- X. **An Experimental Study on Effect of Swirl Number and Gas Composition on Combustion and Emission Behavior of Premixed H₂/CO/CNG Blending Synthetic Gas Flames in a Novel Combustor**
ÇAM Ö., YILMAZ H., YILMAZ İ.
16th International Conference on Clean Energy (ICCE-2018), 9 - 11 May 2018
- XI. **Effect of CO₂ Dilution on Premixed H₂/CO/CNG Blending Synthesis Gas Flames**
YILMAZ İ., YILMAZ H., ÇAM Ö., SOYTÜRK M. A.
16th International Conference on Clean Energy (ICCE-2018), 9 - 11 May 2018
- XII. **Dynamic and Static Flame Behavior of Premixed H₂/CO/CNG/CO₂-Air Mixtures under Externally Modified Acoustic Conditions**
YILMAZ İ., ÇAM Ö., YILMAZ H.
14th International Conference of Combustion, Karabük, Turkey, 25 - 27 April 2018, vol.3, pp.1-12
- XIII. **Hidrojen- Metanol- Benzin Karışımlarının Deneysel İncelenmesi**
TAŞTAN M., YILMAZ İ.
14th International Conference of Combustion, Karabük, Turkey, 25 - 27 April 2018, vol.1, pp.1-9
- XIV. **Experimental Investigation of Premixed H₂/CO/CNG/CO₂ Blending Syngas**
YILMAZ İ., ÇAM Ö., YILMAZ H.
4 th International Conference of Combustion, Karabük, Turkey, 25 - 27 April 2018, vol.1, pp.1-10
- XV. **Investigation of an Optimal Operating Condition for a Micro Combustor Regarding Basic Thermophotovoltaic System Requirements**
YILMAZ H., ÇAM Ö., YILMAZ İ.
9th International Exergy, Energy and Environment Symposium (IEEES), Split, Croatia, 14 - 17 May 2017, pp.27-41
- XVI. **İÇTEN YANMALI BİR MOTORDA HİDROJENLE ZENGİNLEŞTİRİLMİŞ METANOL- BENZİN KARIŞIMLARININ PERFORMANS VE EMİSYONA ETKİSİ**
TAŞTAN M., YILMAZ İ.
International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, pp.1-6

- XVII. **Combustion and Emission Behavior of Premixed CNG/H₂/CO₂ Mixture Flames: Effect of Swirl Number and Gas Composition**
YILMAZ I., YILMAZ H., ÇAM Ö.
International Research Conference on Sustainable Energy, Engineering, Materials and Environment (SEEME), Newcastle Upon Tyne, United Kingdom, 26 - 28 July 2017, no.1, pp.1-8
- XVIII. **Numerical Investigation of Effect of Different Turbulence Models on The Combustion Characteristics by the Probability Density Function (PDF) Model**
YILMAZ I., ÇAM Ö.
International Research Conference on Sustainable Energy, Engineering, Materials and Environment (SEEME), Newcastle Upon Tyne, United Kingdom, 26 - 28 July 2017, no.1, pp.1-9
- XIX. **Experimental and Numerical Investigations of Small Wind Turbine Airfoils for Low Reynolds Number Condition**
tarhan c., YILMAZ I.
9th International Exergy, Energy and Environment Symposium (IEEES-9), Split, Croatia, 14 - 17 May 2017
- XX. **Numerical Investigation on Combustion Behavior of Premixed Hydrogen/Air Flames in a Micro Combustor with Varying Geometric Properties: Part - II Effect of Multi-Channel Arrangement**
YILMAZ H., ÇAM Ö., TANGÖZ S., YILMAZ I.
6th International Conference on Renewable Fuels, Combustion and Fire (FCE'17), Nevşehir, Turkey, 18 - 21 May 2017, pp.1-12
- XXI. **Numerical Investigation on Combustion Behavior of Premixed Hydrogen/Air Flames in a Micro Combustor with Varying Geometric Properties: Part - I Effect of Backward Facing Step and Cavity**
YILMAZ H., İlbaş M., ÇAM Ö., YILMAZ I.
6th International Conference on Renewable Fuels, Combustion and Fire (FCE'17), Nevşehir, Turkey, 18 - 21 May 2017, pp.1-13
- XXII. **Investigation of the Effects of Equivalence Ratio and Thermal Power on the Combustion and Emission Behaviour of Premixed Hydrogen Air Mixture in a Micro Combustor**
YILMAZ H., ÇAM Ö., YILMAZ I.
The 9th International Exergy, Energy and Environment Symposium (IEEES-9), Split, Croatia, 14 - 17 May 2017, pp.1-11
- XXIII. **Farklı Kompozisyonlardaki Sentetik Gazların Yanma Performanslarının İncelenmesi**
YILMAZ H., YILMAZ İ., ÇAM Ö., TAŞTAN M.
VI. Ulusal Havacılık ve Uzay Konferansı, KOCAELİ, TÜRKİYE, 28-30 Eylül 2016, s. Kocaeli, Turkey, 28 - 30 September 2016, pp.1240-1251
- XXIV. **Farklı Kozpozisyonlardaki Sentetik Gazların Yanma Performanslarının İncelenmesi**
YILMAZ H., YILMAZ İ., ÇAM Ö., TAŞTAN M.
VI. Ulusal Havacılık ve Uzay Konferansı, Kocaeli, Turkey, 28 - 30 September 2016, pp.1240-1251
- XXV. **THE EFFECT OF DIFFERENT TURBULENCE MODELS ON THE FLAME AND EMISSION CHARACTERISTICS OF HYDROGEN/AIR FLAMES**
YILMAZ H., ÇAM Ö., TANGÖZ S., YILMAZ I.
9th International Conference on Sustainable Energy and Environmental Protection, Kayseri, Turkey, 22 - 25 September 2016, pp.1-8
- XXVI. **NUMERICAL INVESTIGATION OF NOX EMISSIONS IN A MICRO-CYLINDRICAL COMBUSTOR WITH PREMIXED HYDROGEN-AIR MIXTURE**
ÇAM Ö., TANGÖZ S., YILMAZ H., YILMAZ I.
9th International Conference on Sustainable Energy and Environmental Protection, Kayseri, Turkey, 22 - 25 September 2016, no.143, pp.1-7
- XXVII. **Investigation of small wind türbine airfoil s for Kayseri weather conditions**
TARHAN C., YILMAZ İ.
9th International Conference on Sustainable Energy and Environmental Protection, 22 - 25 September 2016
- XXVIII. **Aerodynamic Nose Shape Optimization for Performance Maximization of Morphing Autonomous Aerial Robot**

- Oktay T., Uzun M., Yılmaz I., Konar M.
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1-8
- XXIX. **Effect of Swirl Number on Temperature Levels of Hydrogen-Containing Fuels in a Combustor**
İlbaş M., Karyeyen S., YILMAZ I.
17th International Conference on Emerging Nuclear Energy Systems (ICENES_2015), İstanbul, Turkey, 4 - 08 October 2015, pp.1-9
- XXX. **Boundary Layer Flow Separation Control of Two Dimensional NACA 2415 Airfoil**
YILMAZ I., ÇAM Ö., TAŞTAN M.
8th Ankara International Aerospace Conference, Ankara, Turkey, 10 - 12 September 2015, pp.115-124
- XXXI. **Gözenekli Yakıcıda Farklı Denklik Oranları ve Giriş Sıcaklıklarında Yanma Karakteristiklerinin Araştırılması**
YILMAZ I., ÇAM Ö.
V. Ulusal Havacılık ve Uzay Konferansı,, Kayseri, Turkey, 8 - 11 September 2014, pp.1-11
- XXXII. **NACA0012 Kanat Profili Etrafındaki Hava Akışının Sayısal ve Deneysel İncelenmesi**
YILMAZ I., TARHAN C.
V. Ulusal Havacılık ve Uzay Konferansı, Kayseri, Turkey, 8 - 10 September 2014, pp.1-10
- XXXIII. **3-D NUMERICAL INVESTIGATION OF AXIAL COMPRESSOR**
YILMAZ İ., TAŞTAN M.
III. International Conference on Nuclear and Renewable Energy Resources, Turkey, 1 - 04 May 2012, pp.166
- XXXIV. **Biyokütlenin Havacılıkta Kullanımı**
YILMAZ İ., TAŞTAN M., TARHAN C.
VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 1 - 04 October 2011, pp.197-203
- XXXV. **Investigations of Flame Flashback Characteristics in a Low Swirl Burner**
YILMAZ I., İLBAŞ M.
10th International Conference on Clean Energy, Gazimagusa, Cyprus (Kkctc), 1 - 04 August 2010, pp.1-10
- XXXVI. **Experimental Characterization of Hydrogen-Methane Blending Fuel Combustion in a Model Combustor**
YILMAZ I., ilbaş M.
4th Int. Exergy, Energy and Environment Symposium, Sharjah, United Arab Emirates, 19 - 23 April 2009, pp.1-4
- XXXVII. **Uçaklarda Hidrokarbon Yakıtlarından Kaynaklanan Kirleticiler**
YILMAZ I.
Kayseri VII. Havacılık Sempozyumu,, Kayseri, Turkey, 15 - 16 May 2008, pp.237-239
- XXXVIII. **Rüzgar Enerjisinden Yenilenebilir Hidrojen Üretimi.**
YILMAZ I.
IV. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 23 - 24 November 2007, pp.409-414
- XXXIX. **Gaz Türbinli Motorlarda Hidrojen Kullanımı**
YILMAZ I.
IV. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 2 - 04 October 2007, pp.151-158
- XL. **Hidrojen-Metan Karışımli Kompozit Yakıt Yanmasının Araştırılması**
YILMAZ I., İLBAŞ M.
Uluslararası 9. Yanma Sempozyumu, Kırıkkale, Turkey, 16 - 17 November 2006, pp.80-88
- XLI. **Hidrojen-Metan Karışımlarının Yanması**
YILMAZ I.
I. Ulusal Havacılık ve Uzay Konferansı, Ankara, Turkey, 21 - 23 September 2006, pp.1-7
- XLII. **Hidrojen ve Hidrojen-Metan Kompozit Yakıtlarda Yanma ve Alev Hızları**
YILMAZ I., İLBAŞ M.
III. Ulusal Hidrojen Enerjisi Kongresi, İstanbul, Turkey, 17 - 18 July 2006, pp.1-6
- XLIII. **Gaz Türbini Yanma Odasında Hidrojen ve Hidrokarbon Yanmasının Modellenmesi ve NOx Oluşumunun İncelenmesi**
YILMAZ I.

- Kayseri VI. Havacılık Sempozyumu, Nevşehir, Turkey, 12 - 14 May 2006, pp.289-292
- XLIV. **Sivil Havacılıkta Yeni ve Temiz Bir Yakıt: Hidrojen**
YILMAZ İ.
Kayseri VI. Havacılık Sempozyumu, Nevşehir, Turkey, 12 - 14 May 2006, pp.55-59
- XLV. **Geliştirilen Model Yakıcıda Hidrojen Yanması Üzerine Araştırmalar**
YILMAZ İ.
Yeni ve Yenilenebilir Enerji Kaynakları/Enerji Yönetimi Sempozyumu, Kayseri, Turkey, 4 - 05 October 2005, pp.95-102
- XLVI. **Experimental and Numerical Investigations of Methane Addition on Hydrogen Combustion in a Developed Combustor**
YILMAZ İ., İLBAŞ M.
Int. Hydrogen Energy Congress and Exhibition (IHEC-2005), İstanbul, Turkey, 13 - 15 July 2005, pp.1-12
- XLVII. **Hidrojen-Hidrokarbon Karışımlarının Yanma Davranışının Nümerik İncelenmesi**
YILMAZ İ., İLBAŞ M.
8. Uluslararası Yanma Sempozyumu,, Ankara, Turkey, 8 - 09 September 2004, pp.93-101
- XLVIII. **Türbülanslı Hidrojen Yanmasının Nümerik İncelenmesi**
YILMAZ İ.
Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 10 - 11 November 2003, pp.211-216
- XLIX. **Türkiye Rüzgar Potansiyelinin Değerlendirilmesi**
YILMAZ İ., İLBAŞ M.
Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 10 - 11 October 2003, pp.401-408
- L. **Soba Deneyi Yapılan Kalorimetrik Odada Sayısal Analiz ile Sıcaklık Dağılımının İncelenmesi**
YILMAZ İ., AKANSU S. O., KAHRAMAN N., İLBAŞ M.
I. Ege Enerji Sempozyumu ve Sergisi, Denizli, Turkey, 22 - 24 May 2003, pp.138-143
- LI. **Kanatlı Borulu Isı Değiştirici Dizaynı**
ÇINAR G., YILMAZ İ.
I. Ege Enerji Sempozyumu ve Sergisi, Turkey, 23 - 24 May 2003
- LII. **Ön Karışımli Yanmanın CFD Modellemesi**
YILMAZ İ.
Balıkesir Üniversitesi IV. Mühendislik Mimarlık Sempozyumu, Balıkesir, Turkey, 11 - 13 September 2002, pp.363-372
- LIII. **Modeling of A Methane Fueled Gas Turbine Combustor**
YILMAZ İ., İLBAŞ M.
Kayseri 4. Havacılık Sempozyumu, Kayseri, Turkey, 10 - 12 September 2002, pp.153-157

Other Publications

- I. **A Short Look at Aerospace and Defense Sector, J Def Manag, Special Issue: Aerospace Defense Sector, (2013).**
YILMAZ İ.
Other, pp.1-2, 2013

Supported Projects

- Yılmaz İ., Project Supported by Higher Education Institutions, Biogazın Yanma ve Emisyon Davranışlarının Deneysel İncelenmesi, 2019 - 2021
- YILMAZ İ., ALABAŞ B., Project Supported by Higher Education Institutions, OKSİJENLE ZENGİNLEŞTİRİLEN SENTETİK GAZ YAKITLARIN YANMA KARARSIZLIĞININ DENEYSEL İNCELENMESİ, 2019 - 2021
- Yılmaz İ., Project Supported by Higher Education Institutions, OKSİJENLE ZENGİNLEŞTİRİLEN SENTETİK GAZ

YAKITLARIN YANMA KARARSIZLIĞININ DENEYSEL İNCELENMESİ, 2019 - 2021

YILMAZ İ., YILMAZ H., ÇAM Ö., Project Supported by Higher Education Institutions, Sentetik Gaz Yakıtların Yanma Karakteristiklerinin Deneysel İncelenmesi, 2016 - 2018

YILMAZ İ., TARHAN C., TAŞTAN M., ÇAM Ö., Project Supported by Higher Education Institutions, RÜZGÂR TÜRBİN KANAT PROFİLLERİNİN SAYISAL VE DENEYSEL İNCELENMESİ, 2016 - 2018

YILMAZ İ., TAŞTAN M., Project Supported by Higher Education Institutions, İÇTEN YANMALI BİR MOTORDA HİDROJENLE ZENGİNLEŞTİRİLMİŞ METANOL-BENZİN KARIŞIMLARININ PERFORMANS VE EMİSYONA ETKİSİNİN DENEYSEL İNCELENMESİ, 2014 - 2018

Yılmaz I., İlbaş M., TUBITAK Project, Model bir yanma sisteminde kömür gazlarının yanma performanslarının ve emisyon parametrelerinin deneysel olarak incelenmesi, 2014 - 2016

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Current Alternative Energy, Committee Member, 2021 - Continues

International Journal of Energy Studies, Committee Member, 2020 - Continues

Advances in Energy and Power, Publication Committee Member, 2014 - Continues

International Journal of Sustainable Energy and Environment, Publication Committee Member, 2014 - Continues

Memberships / Tasks in Scientific Organizations

MAKİNE MÜHENDİSLERİ ODASI, Member, 1999 - Continues, Turkey

Scientific Refereeing

INTERNATIONAL JOURNAL OF THERMAL SCIENCES, SCI Journal, April 2021

JOURNAL OF CENTRAL SOUTH UNIVERSITY, SCI Journal, March 2021

ENERGY CONVERSION AND MANAGEMENT, SCI Journal, February 2021

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Journal of the Brazilian Society of Mechanical Sciences and Engineering, SCI Journal, February 2018
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Thermal Science, SCI Journal, October 2017
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Energy Conversion and Management, National Scientific Refreed Journal, August 2017
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TÜBİTAK-TEYDEB Proje Hakemliği, Other Journals, June 2017
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Bilim, Sanayi ve Teknoloji Bakanlığı, Other Journals, March 2017
TÜBİTAK-TEYDEB Proje Hakemliği, Other Journals, December 2016
Ulusal Diğer TÜBİTAK-TEYDEB Proje Hakemliği, Other Journals, October 2016
Journal of Propulsion and Power, SCI Journal, April 2016
-, Other Journals, April 2016
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Applied Thermal Engineering, SCI Journal, January 2016

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Environmental Progress & Sustainable Energy, SCI Journal, April 2015
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Energy Conversion and Management, SCI Journal, February 2015
International Journal of Global Warming (IJGW), SCI Journal, January 2015
Journal of the Taiwan Institute of Chemical Engineers, SCI Journal, September 2014
Energy Conversion and Management, SCI Journal, February 2014
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VII.ULUSAL UÇAK, HAVACILIK VE UZAY MÜHENDİSLİĞİ KURULTAYI, Other Journals, March 2013
TÜBİTAK-TEYDEB Proje İzleyicisi, Other Journals, January 2013
JOURNAL OF POLYTECHNIC, National Scientific Refreed Journal, January 2013
TÜBİTAK-TEYDEB, Other Journals, December 2012
Journal of Mechanical and Electrical Electronics, Other Indexed Journal, November 2012
Proceedings of the Institution of Mechanical Engineers Part G Journal of Aerospace Engineering, SCI Journal, November 2012
Indian Journal of Engineering & Materials Sciences, SCI Journal, November 2012
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Scientific Consultations

TÜBİTAK 2209B(2241A) Sanayi Odaklı Lisans Bitirme Tezi Destekleme Programı, Project Consultancy, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, Turkey, 2015 - 2015

Metrics

Publication: 67
Citation (WoS): 1
H-Index (WoS): 1

Congress and Symposium Activities

V. Ulusal Havacılık ve Uzay Konferansı, Attendee, Turkey, 2014
VI. YENİ VE YENİLENEBİLİR ENERJİ KAYNAKLARI SEMPOZYUMU, Attendee, Turkey, 2011
10th International Conference on Clean Energy, Attendee, Turkey, 2010
V. YENİ VE YENİLENEBİLİR ENERJİ KAYNAKLARI SEMPOZYUMU, Attendee, Turkey, 2009
Proc. 4th Int. Exergy, Energy and Environment Symposium, Attendee, Turkey, 2009
KAYSERİ VII. HAVACILIK SEMPOZYUMU, Attendee, Turkey, 2008
YEKS'2007, Attendee, Kayseri, Turkey, 2007
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Int. Hydrogen Energy Congress and Exhibition (IHEC-2005), Attendee, Turkey, 2005
8. Uluslararası Yanma Sempozyumu, Attendee, Turkey, 2004
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Scholarships

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Awards

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YILMAZ I., İÇTEN YANMALI BİR MOTORDA HİDROJENLE ZENGİNLEŞTİRİLMİŞ METANOL- BENZİN KARIŞIMLARININ PERFORMANS VE EMİSYONA ETKİSİ, International Advanced Researches and Engineering Congress, November 2017
YILMAZ I., BYTP, TÜBİTAK-Yayın Teşvik Ödülü, 2005-2013, February 2013
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