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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2011 - Devam Ediyor

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2009 - 2011

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Türkiye 2003 - 2009

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Yüksek Lisans, Biodiesel Production from Microalgae, Çukurova Üniversitesi, Makina Mühendisliği, Makina Mühendisliği, 2011

Araştırma Alanları

Makina Mühendisliği, Enerji, Alternatif Enerji Kaynakları, Termodinamik, Yakıtlar ve Yanma , İçten Yanmalı Motorlar, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Araştırma Görevlisi, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Makina Mühendisliği, 2009 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Evaluation of vibration characteristics of a hydroxyl (HHO) gas generator installed diesel engine fuelled with different diesel-biodiesel blends**
Uludamar E., TOSUN E., Tuccar G., YILDIZHAN Ş., Calik A., YILDIRIM S., SERİN H., ÖZCANLI M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, sa.36, ss.23352-23360, 2017 (SCI-Expanded)
- Exergy analysis of an inter-city bus air-conditioning system**
TOSUN E., BİLGİLİ M., TUCCAR G., YAŞAR A. N., AYDIN K.
INTERNATIONAL JOURNAL OF EXERGY, cilt.20, sa.4, ss.445-464, 2016 (SCI-Expanded)

- III. **The Potential of Microalgal Biodiesel in Turkey**
TÜCCAR G., GÜNGÖR C., ULUDAMAR E., AYDIN K.
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, cilt.10, sa.4, ss.397-403, 2015 (SCI-Expanded)
- IV. **Effect of nanoparticle additives on NOx emissions of diesel fuelled compression ignition engine**
ÖZGÜR T., TÜCCAR G., ULUDAMAR E., YILMAZ A. C., GUNGOR C., ÖZCANLI M., SERİN H., AYDIN K.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.7, sa.4, ss.487-498, 2015 (SCI-Expanded)
- V. **Diesel engine emissions and performance from blends of citrus sinensis biodiesel and diesel fuel**
TÜCCAR G., TOSUN E., ÖZGÜR T., AYDIN K.
FUEL, cilt.132, ss.7-11, 2014 (SCI-Expanded)
- VI. **Effect of diesel-microalgae biodiesel-butanol blends on performance and emissions of diesel engine**
TÜCCAR G., ÖZGÜR T., AYDIN K.
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- VII. **Evaluation of methyl ester of microalgae oil as fuel in a diesel engine**
TÜCCAR G., AYDIN K.
FUEL, cilt.112, ss.203-207, 2013 (SCI-Expanded)
- VIII. **Biodiesel Production From Tea Seed (Camellia Sinensis) Oil and its Blends With Diesel Fuel**
SERİN H., ÖZCANLI M., Gökçe M. K., Tüccar G.
INTERNATIONAL JOURNAL OF GREEN ENERGY, cilt.10, sa.4, ss.370-377, 2013 (SCI-Expanded)
- IX. **Prediction of emissions of a diesel engine fueled with soybean biodiesel using artificial neural networks**
ÖZGÜR T., TÜCCAR G., ÖZCANLI M., AYDIN K.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, cilt.27, sa.2, ss.301-312, 2011 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Investigations of Effects of Density and Viscosity of Diesel and Biodiesel Fuels on NOx and Other Emission Formations**
TÜCCAR G., TOSUN E., ULUDAMAR E.
ACADEMIC PLATFORM-JOURNAL OF ENGINEERING AND SCIENCE, cilt.6, sa.2, ss.81-85, 2018 (Hakemli Dergi)
- II. **Investigations of Effects of Density and Viscosity of Diesel and Biodiesel Fuels on NOx and Other Emission Formations**
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- III. **COMPARISON OF TRAFFIC DENSITIES AT DIFFERENT SIGNALIZATION TIMINGS IN ROUNDABOUTS**
ULUDAMAR E., TÜCCAR G.
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, cilt.7, sa.1, ss.217-223, 2018 (Hakemli Dergi)
- IV. **Hidrolik Kamyon Boşaltma Platformlarının Dizayn ve Analizi**
ULUDAMAR E., TÜCCAR G.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.32, sa.4, ss.55-62, 2017 (Hakemli Dergi)
- V. **Design and Analysis of Hydraulic Truck Unloading Platforms**
ULUDAMAR E., TÜCCAR G.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, cilt.32, sa.4, ss.55-62, 2017 (Hakemli Dergi)
- VI. **Optimization of Traffic Signalization Timings to Reduce Queue Length and Vehicle Delays: A Case Study in Çukurova University**
TÜCCAR G., ULUDAMAR E.
European Mechanical Science, cilt.1, sa.3, ss.89-92, 2017 (Hakemli Dergi)
- VII. **Optimization of Fuel Inlet Port Geometry of an Air Assisted Diesel Injector**
TÜCCAR G., ULUDAMAR E., AYDIN K.
Advances in Automobile Engineering, cilt.5, sa.2, 2016 (Hakemli Dergi)

- VIII. **Determination of Atomization Characteristics of a Diesel Injector**
TÜCCAR G., ÖZKAN G. M., AYDIN K.
Applied Mechanics and Materials, cilt.799, ss.826-830, 2015 (Hakemli Dergi)
- IX. **Biodiesel Production From Opium Poppy Oil and Determination of Its Effects on Engine Performance and Emissions of a Compression Ignition Engine**
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- X. **Possibility of Turkey to transit Electric Vehicle-based transportation**
TÜCCAR G., TOSUN E., ÖZCANLI M., AYDIN K.
INTERNATIONAL JOURNAL OF AUTOMOTIVE ENGINEERING AND TECHNOLOGIES, cilt.2, sa.2, ss.64-69, 2013 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Effects of Fibre Orientations and Flow Channel Patterns on the Durability of Composite Bipolar Plates Used in PEMFCs**
DARICIK F., TOPCU A., TÜCCAR G., AYDIN K.
8th International Conference on Modeling Simulation and Applied Optimization, Manama, Bahreyn, 15 - 17 Nisan 2019
- II. **A Review on Composite Materials Usage in Bipolar Plates of Proton Exchange Membrane Fuel Cells (PEMFCs)**
TOPCU A., DARICIK F., TÜCCAR G.
3rd International Congress on Vocational and Technical Sciences, Gaziantep, Türkiye, 21 - 22 Haziran 2018, ss.3561-3567
- III. **Numerical Study on Improvement of Parallel (Straight) Flow Field Used in Fuel Cells**
TOPÇU A., DARICIK F., TÜCCAR G., AYDIN K.
III. Uluslararası Mesleki ve Teknik Bilimler Kongresi, 21 - 22 Haziran 2018, ss.3555-3560
- IV. **Comparison of diesel fuel atomization characteristics of hydrogen gas and air in a special injection device**
TÜCCAR G., YILDIRIM S., ÇALIK A., ULUDAMAR E., SERİN H., ÖZCANLI M., AYDIN K.
2nd International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 25 - 27 Ekim 2017
- V. **Effect of MgO Nanoparticulate additives on Performance and Exhaust Emissions of Diesel Fuelled Compression Ignition Engine**
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19th International Conference on Researches in ScienceTechnology, 27 - 28 Temmuz 2017, ss.72-85
- VI. **Experimental Comparison of Vibration, Noise and Combustion Characteristics of Hydroxyl Gas (HHO) Enriched Foeniculum Vulgare Oil Biodiesel (FVB) and Diesel Fuel Blends**
TÜCCAR G.
2nd International Mediterranean Science and Engineering Congress, 25 - 27 Ekim 2017
- VII. **Effect of fuel properties of different biodiesels on exhaust emission formations**
TÜCCAR G.
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- VIII. **Emission and engine performance analysis of a diesel engine using hydrogen enriched pomegranate seed oil biodiesel**
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- IX. **Effect of mgo nanoparticule additives on performance and exhaust emissions of diesel fuelled compression ignition engine**
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2017, ss.66-67

- X. **Performance, Emission and Efficiency Analysis of a Diesel Engine Operated with Diesel and Diesel-Ethanol (E20) Blend**
ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.
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- XI. **TRANSESTERIFICATION OF FOENICULUM VULGARE OIL TO PRODUCE BIODIESEL**
TÜCCAR G., ULUDAMAR E., ERKAN A.
3rd International Conference on Engineering and Natural Sciences, 3 - 07 Mayıs 2017, ss.506
- XII. **Optimization of traffic signalization timings to reduce queue length and vehicle delays a case study in Çukurova University**
TÜCCAR G., ULUDAMAR E.
1st International Mediterranean Science and Engineering Congress, 26 - 28 Ekim 2016, ss.1580-1584
- XIII. **Determination of Parking Lots and Pedestrian Way Effects on the Queue Length and Emission Values in the New Campus of Adana Science And Technology University**
ERKAN A., TÜCCAR G.
1st International Mediterranean Science and Engineering Congress, 26 - 28 Ekim 2016, ss.1580-1584
- XIV. **Investigation of the effects of viscosity and density of different biodiesels on exhaust emissions**
TÜCCAR G., ULUDAMAR E., YILDIZHAN Ş., TOSUN E., SERİN H., ÖZCANLI M.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 Ekim 2016, ss.2750
- XV. **Biodiesel Production From Opium Poppy Oil and Determination of Its Effects on Engine Performance and Emissions of a Compression Ignition Engine**
TOSUN E., ULUDAMAR E., TÜCCAR G., YILMAZ A. C., AYDIN K.
The MacroJournals Conference on Medicine, Science, and Technology - Dubrovnik 2015, Dubrovnik, Hırvatistan, 3 - 04 Ağustos 2015, cilt.3, sa.1, ss.1-8
- XVI. **Biodiesel Production From Opium Poppy Oil and Determination of Its Effects on Engine Performance and Emissions of a Compression Ignition Engine**
TOSUN E., ULUDAMAR E., TÜCCAR G., YILMAZ A. C., AYDIN K.
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- XVII. **Determination of Atomization Characteristics of a Diesel Injector**
TÜCCAR G., ÖZKAN G. M., AYDIN K.
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- XVIII. **Determination of performance, emission, energetic and exergetic performance of a diesel engine.**
TOSUN E., ÖZGÜR T., TÜCCAR G., ÖZGÜR C., AYDIN K., ÖZCANLI M.
International Conference on Automotive and Vehicle Technologies 2014, İstanbul, Türkiye, 16 - 18 Ekim 2014, ss.243-251
- XIX. **Investigation of Engine Performance and Emission Characteristics of SI Engine Fuelled with Ethanol Blends by Numerical Simulation**
ÖZGÜR C., TOSUN E., ÖZGÜR T., TÜCCAR G., AYDIN K.
The 5th International Conference on Mechanical and Aerospace Engineering (ICMAE 2014), Madrid, İspanya, 18 - 19 Temmuz 2014, ss.597
- XX. **Numerical Studies of Engine Performance, Emission and Combustion Characteristics of a Diesel Engine Fuelled with Hydrogen Blends**
ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.
The 5th International Conference on Mechanical and Aerospace Engineering (ICMAE 2014), Madrid, İspanya, 18 - 19 Temmuz 2014, ss.1-5
- XXI. **Investigation of Effects of Inlet Boundary Conditions on the Flow Behaviour in a Diesel Injector**
TÜCCAR G., ÖZGÜR T., TOSUN E., ÖZGÜR C., AYDIN K.
The 5th International Conference on Mechanical and Aerospace Engineering (ICMAE 2014), Madrid, İspanya, 18 -

19 Temmuz 2014, ss.11-16

- XXII. **Numerical Studies of Engine Performance Emission and Combustion Characteristics of a Diesel engine Fueled with Hydrogen Blends**
ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.
The 5. International Conference on Mechanical and Aerospace Engineering, 18 - 19 Temmuz 2014
- XXIII. **Investigation of Engine Performance and emission Characteristics of SI engine Fueled with Ethanol Blends by Numerical Simulation**
ÖZGÜR C., TOSUN E., ÖZGÜR T., TÜCCAR G., AYDIN K.
The 5. International Conference on Mechanical and Aerospace Engineering, 18 - 19 Temmuz 2014
- XXIV. **Experimental Investigation of Engine Performance and Emission Characteristics of a Diesel Engine Using Blends Containing Microalgae Biodiesel, n-Butanol and Diesel Fuel**
TÜCCAR G., ÖZGÜR T., YAŞAR A., AYDIN K.
5th International Conference on Environmental Science and Technology, Gdansk, Polonya, 14 - 16 Mayıs 2014, ss.1-5
- XXV. **Numerical studies of engine performance, emission and combustion characteristics of a diesel engine fuelled with hydrogen blends**
ÖZGÜR T., TOSUN E., ÖZGÜR C., Tüccar G., AYDIN K.
5th International Conference on Mechanical and Aerospace Engineering, ICMAE 2014, Madrid, İspanya, 18 - 19 Temmuz 2014, cilt.1016, ss.582-586
- XXVI. **Investigation of engine performance and emission characteristics of SI engine fuelled with ethanol blends by numerical simulation**
ÖZGÜR C., TOSUN E., ÖZGÜR T., TÜCCAR G., AYDIN K.
5th International Conference on Mechanical and Aerospace Engineering, ICMAE 2014, Madrid, İspanya, 18 - 19 Temmuz 2014, cilt.1016, ss.597-601
- XXVII. **Investigation of effects of inlet boundary conditions on the flow behaviour in a diesel injector**
Tüccar G., ÖZGÜR T., TOSUN E., ÖZGÜR C., AYDIN K.
5th International Conference on Mechanical and Aerospace Engineering, ICMAE 2014, Madrid, İspanya, 18 - 19 Temmuz 2014, cilt.1016, ss.602-606
- XXVIII. **Improvement of Microalgae Biodiesel with Ricinus Communis Oil Biodiesel Addition**
TÜCCAR G., ÖZGÜR T., ÖZCANLI M., AYDIN K.
ICAMAME 2013 : International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, Bali, Endonezya, 30 - 31 Ekim 2013, ss.1579-1583
- XXIX. **Çay çekirdeği camella sinensis biyodizelinin yakıt özelliklerinin incelenmesi**
TÜCCAR G., SERİN H., GÖKÇE M. K., ÖZGÜR T., ULUDAMAR E.
VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Türkiye, 21 - 22 Ekim 2011
- XXX. **Effect Of Nanoparticle Additives on NOx Emissions of Diesel Fueled Compression Ignition Engine**
ÖZGÜR T., TÜCCAR G., ULUDAMAR E., GÜNGÖR C., ÖZCANLI M., SERİN H., AYDIN K.
6 th International Ege Energy Symposium & Exhibition Proceedings, İzmir, Türkiye, 28 - 30 Haziran 2012, ss.308-317
- XXXI. **ÇAY ÇEKİRDEĞİ CAMELLIA SINENSIS BİYODİZELİNİN YAKIT ÖZELLİKLERİNİN İNCELENMESİ**
TÜCCAR G., SERİN H., GÖKÇE M. K., ÖZGÜR T., ULUDAMAR E., AYDIN K.
VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Türkiye, 21 - 22 Ekim 2011, ss.128-131
- XXXII. **Mikroalg (Chlorella Protothecodies) Biyodizelinin Yakıt Özelliklerinin İncelenmesi**
TÜCCAR G., Gökçe M. K., AYDIN K.
Anadolu Enerji Sempozyumu, Elazığ, Türkiye, 22 - 24 Haziran 2011, ss.294-301
- XXXIII. **Kanola Biyodizeli, Diizopropil Eter ve Motorin Karışımlarının Yakıt Özelliklerinin ve Motor Performans Değerlerinin İncelenmesi**
TÜCCAR G., ÖZGÜR C., DEMİRAY A., ABDULVAHİTOĞLU A., ÖZGÜR T., AYDIN K.
Yeni ve Yenilenebilir Enerji Kaynakları Enerji Yönetimi Sempozyumu, Kayseri, Türkiye, 16 - 17 Ekim 2009, ss.86-92

Metrikler

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Atıf (Scopus): 532

H-İndeks (WoS): 7

H-İndeks (Scopus): 8