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Education Information

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, :Otomotiv Mühendisliği, Turkey 2015 - Continues

Undergraduate, Cukurova University, Mühendislik-Mimarlık Fakültesi, :Otomotiv Mühendisliği, Turkey 2010 - 2015

Foreign Languages

English, C1 Advanced

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Cukurova University, Mühendislik-Mimarlık Fakültesi, Otomotiv Mühendisliği, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Recent studies on hydrogen usage in Wankel SI engine**
ÖZCANLI M., BAŞ O., AKAR M. A., YILDIZHAN Ş., SERİN H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.38, pp.18037-18045, 2018 (SCI-Expanded)
- II. **Hydrogen enriched waste oil biodiesel usage in compression ignition engine**
AKAR M. A., KEKILLI E., BAŞ O., YILDIZHAN Ş., SERİN H., ÖZCANLI M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.38, pp.18046-18052, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development of a prototype hydrogen vehicle**
Yakaryılmaz A. C., Yildizhan Ş., Aktaş A. E., Baş O., Tosun E., Özgür T., Aydın K.
International Journal of Automotive Engineering and Technologies, vol.9, no.4, pp.190-195, 2020 (Peer-Reviewed Journal)
- II. **PERFORMANCE OF AN SI ENGINE WITH DIFFERENT SPARK PLUGS, VCR AND H2 ADDITION**
BAŞ O., AKAR M. A., SERİN H., ÖZCANLI M.

Sigma Journal of Engineering and Natural Sciences, vol.38, no.4, pp.1951-1961, 2020 (ESCI)

- III. **Effect of Spark Plug Alteration on Performance Using Hydrogen Enriched Gasoline in Si Engine Under Various Loads and Compression Ratios**
BAŞ O., AKAR M. A., YILDIZHAN Ş., ÖZCANLI M., SERİN H.
EUROPEAN MECHANICAL SCIENCE, vol.2, pp.92-95, 2018 (Peer-Reviewed Journal)
- IV. **The effect of the splitter plates on flow characteristics that are vertically placed to the flow between side by side cylinders in shallow water**
AKAR M. A., AKILLI H., BAŞ O., Oğuz B., PINAR E., ŞAHİN B.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.4, pp.582-585, 2018 (ESCI)
- V. **Altigen Delikli Silindirin Geçirgenlik Oranının Silindir Arkasındaki Akış Bölgesine Etkisi**
AKAR M. A., BAŞ O., KÜÇÜK M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.31, no.2, pp.79-86, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Ahmed Body Drag Reduction by Usage of Dimpled and Bumped Surface**
AKAR M. A., Aydın V. K., BAŞ O., ÖZCANLI M.
4th International Mediterranean Science and Engineering Congress (IMSEC 2019), 25 - 27 April 2019, pp.864-869
- II. **Effect of bioethanol blending with gasoline on emissions characteristics with spark plug alteration for SI engine**
AKAR M. A., BAŞ O., ÖZGÜR T., ÖZCANLI M.
European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280
- III. **Nano-Metal Katalizör Katkılarının Üç Yollu Katalitik Konvertörün (TWC) Karbon Monoksit (CO) Oksitlemesine Etkileri**
AKAR M. A., ÇALIK A., BAŞ O., YILDIZHAN Ş.
IV. ULUSAL MÜHENDİSLİK KONGRESİ, Afyon, Turkey, 22 - 25 December 2017, pp.20
- IV. **Recent Studies on hydroegn usage in rotary SI engine**
ÖZCANLI M., BAŞ O., AKAR M. A., YILDIZHAN Ş., SERİN H.
2nd International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 25 - 27 October 2017
- V. **Hydrogen Enrched Waste Ol Bodesel Usage n Compresson Ignton Engine**
AKAR M. A., kekilli e., BAŞ O., YILDIZHAN Ş., SERİN H., ÖZCANLI M.
2nd Interna onal Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017, pp.2278
- VI. **Hydrogen Enriched Waste Aoil Biodiesel Usage in Compression Ignition Engine**
AKAR M. A., kekilli e., BAŞ O., YILDIZHAN Ş., SERİN H., ÖZCANLI M.
2nd International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 25 - 27 October 2017
- VII. **Recent studes on hydrogen usage n rotary SI engine**
ÖZCANLI M., BAŞ O., AKAR M. A., YILDIZHAN Ş., SERİN H.
2nd Interna onal Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017, pp.2279
- VIII. **Effect of Hydrogen Enrched Nigella Satva Ol Bodesel on Performance and Emssons**
SERİN H., YILDIZHAN Ş., BAŞ O., AKAR M. A., ÖZCANLI M.
2nd Interna onal Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017, pp.2277
- IX. **Flow Characteristics Of Vertical Splitter Plate Used Side BySide Cylinder With Different Gap Ratios**
AKAR M. A., AKILLI H., Baş O., OĞUZ B., PINAR E., ŞAHİN B.
Second International Mediterranean Science and Engineering Congeress, 25 - 27 November 2017
- X. **Recent studies on hydrogen usage in rotary SI engine**
ÖZCANLI M., BAŞ O., AKAR M. A., YILDIZHAN Ş., SERİN H.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2279

- XI. **Hydrogen enriched waste oil biodiesel usage in compression ignition engine**
AKAR M. A., Kekilli E., BAŞ O., YILDIZHAN Ş., SERİN H., ÖZCANLI M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2278
- XII. **Effect of Hydrogen Enriched Nigella Sativa Oil Biodiesel on Performance and Emissions**
SERİN H., YILDIZHAN Ş., BAŞ O., AKAR M. A., ÖZCANLI M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2277
- XIII. **Hydrogen Enriched Waste Oil Biodiesel Usage In Compression Ignition Engine**
AKAR M. A., Kekilli E., BAŞ O., YILDIZHAN Ş., SERİN H., ÖZCANLI M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2278
- XIV. **A review on performance and emission characteristics of biodiesel produced from animal fat**
AKAR M. A., ÖZCANLI M., BAŞ O., KESKİN A., SERİN H.
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- XV. **VORTEX SHEDDING CONTROL BEHIND SIDE BY SIDE CIRCULAR CYLINDERS WITH VERTICAL SPLITTER PLATE IN SHALLOW WATER**
AKAR M. A., AKILLI H., BAŞ O., PINAR E., Oğuz B., ŞAHİN B.
International Conference for Academic Disciplines (IJAS-Sicily 2017), Katanya, Italy, 29 May - 01 June 2017, vol.10, no.2, pp.249-250
- XVI. **VORTEX SHEDDING CONTROL BEHIND SIDE BY SIDE CIRCULAR CYLINDERS WITH VERTICAL SPLITTER PLATE IN SHALLOW WATER**
AKAR M. A., AKILLI H., BAŞ O., PINAR E., Oğuz B., ŞAHİN B.
International Conference for Academic Disciplines (IJAS-Sicily 2017), Katanya, Italy, 29 May - 01 June 2017, vol.10, no.2, pp.249-250
- XVII. **Pasif kontrollü silindir arkasında meydana gelen akışın frekans ölçümlerinin yapılması**
AKAR M. A., BAŞ O., KÜÇÜK M.
1st International Mediterranean Science and Engineering Congress, Turkey, 26 - 28 October 2016
- XVIII. **Yalın bir silindir etrafına yerleştirilen altıgen delikli dış silindir arkasındaki hız bölgesinin incelenmesi**
AKAR M. A., BAŞ O., KÜÇÜK M.
1st International Mediterranean Science and Engineering Congress, Turkey, 26 - 28 October 2016
- XIX. **Altıgen delikli silindirin geçirgenlik oranının silindir arkasındaki akış bölgesine etkisi**
AKAR M. A., BAŞ O., KÜÇÜK M.
1st International Mediterranean Science and Engineering Congress, Turkey, 26 - 28 October 2016
- XX. **Performance and exhaust emissions of diesel engine fueled with Fusel Oil**
AKAR M. A., YILMAZ A., BAŞ O., KESKİN A.
European Biotechnology Conference, Latvia, 5 - 07 May 2016, vol.231
- XXI. **The Effects of Geometric Variations of Shrouds on Vortex Shedding Suppression**
AKAR M. A., BAŞ O.
8th International Ege Energy Symposium, Turkey, 11 - 13 May 2016
- XXII. **Performance and exhaust emission of diesel engine fueled with fusel oil**
AKAR M. A., YILMAZ A., BAŞ O., KESKİN A.
European biotechnology congress, Latvia, 5 - 07 May 2016
- XXIII. **Performance and exhaust emissions of diesel engine fuelled with Fusel oil**
AKAR M. A., YILMAZ A., BAŞ O.
European Biotechnology, 5 - 07 May 2016
- XXIV. **Performance and exhaust emissions of diesel engine fueled with fusel**
AKAR M. A., YILMAZ A., BAŞ O., KESKİN A.
European Biotechnology Conference (Latvia), 5 - 07 May 2016

Supported Projects

AKAR M. A., SERİN H., YILDIZHAN Ş., BAŞ O., ÖZCANLI M., Project Supported by Higher Education Institutions, Farklı yük ve sıkıştırma oranları altında hidrojen ile zenginleştirilmiş benzinli motorda farklı tip ateşleme bujilerinin motor performans ve emisyon değerlerine etkisi, 2018 - 2020

AYDIN K., AKTAŞ A. E., ÖZGÜR T., BOZDEMİR Y. Z., BULUT Y. C., AYDIN A., TOSUN E., YILDIZHAN Ş., BAŞ O., EKMEKÇİ G., et al., Project Supported by Higher Education Institutions, Hidrojen Enerjisi İle Çalışan Hibrid Otomobil Geliştirme Projesi, 2017 - 2018

AKAR M. A., BAŞ O., ÖZCANLI M., KESKİN A., SERİN H., Project Supported by Higher Education Institutions, A review on performance and emission characteristics of biodiesel produced from animal fat, 2017 - 2017

AKAR M. A., BAŞ O., AKILLI H., Project Supported by Higher Education Institutions, Yan Yana Sıralı Silindirler Arasına Yerleştirilen Plakların Akış Yapısına Olan Etkisinin İncelenmesi, 2016 - 2017

Metrics

Publication: 33

Citation (WoS): 81

Citation (Scopus): 118

H-Index (WoS): 3

H-Index (Scopus): 2

Non Academic Experience

SANKO MAKİNA