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Publons / Web Of Science ResearcherID: F-6612-2018

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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği Bölümü,
Turkey 2017 - 2023

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, Turkey
2014 - 2017

Undergraduate, Cukurova University, Mühendislik Fakültesi, Otomotiv Mühendisliği,
Turkey 2009 - 2013

Foreign Languages

German, A1 Beginner

Spanish, A1 Beginner

English, C1 Advanced

Dissertations

Doctorate, EXPERIMENTAL AND THEORETICAL INVESTIGATION OF NATURAL GAS – DIESEL DUAL FUEL COMBUSTION
CONCEPT, Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği, 2023

Postgraduate, EXPERIMENTAL AND THEORETICAL INVESTIGATION OF INJECTION PARAMETERS ON A DIRECT
INJECTION HCCI ENGINE , Kocaeli University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği, 2017

Research Areas

Mechanical Engineering, Thermodynamics, Internal Combustion Engines, Computational fluid dynamics, Engineering and
Technology

Academic Titles / Tasks

Research Assistant, Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of split diesel injection strategies on combustion, knocking, cyclic variations and emissions of a natural gas-diesel dual fuel medium speed engine**
ALTINKURT M. D., Merts M., Tunér M., TÜRKCAN A.
Fuel, vol.347, 2023 (SCI-Expanded)
- II. **Effects of isobutanol fraction in diesel-biodiesel blends on combustion, injection, performance and emission parameters**
Altinkurt M. D., Ozturk Y. E., Türkcan A.
FUEL, vol.330, 2022 (SCI-Expanded)
- III. **Numerical and experimental investigations of the effects of the second injection timing and alcohol-gasoline fuel blends on combustion and emissions of an HCCI-DI engine**
TÜRKCAN A., ALTINKURT M. D., Coşkun G., ÇANAKCI M.
FUEL, vol.219, pp.50-61, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **DİZEL-BİYODİZEL-İZOBÜTANOL ÜÇLÜ KARIŞIMLARI KULLANILAN BİR DİZEL MOTORDA YANMA, PERFORMANS VE EMİSYON KARAKTERİSTİKLERİNİN DENEYSEL OLARAK İNCELENMESİ**
Öztürk Y. E., Altinkurt M. D., Türkcan A.
Uluslararası Yakıtlar Yanma Ve Yangın Dergisi, no.8, pp.56-66, 2020 (Peer-Reviewed Journal)
- II. **A COMPUTATIONAL AND EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF SECOND INJECTION TIMING ON A DI-HCCI ENGINE FUELED WITH GASOLINE ETHANOL BLENDS**
ALTINKURT M. D., TÜRKCAN A.
International Journal of Advances on Automotive and Technology, vol.1, no.4, pp.151-163, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ÇİFT YAKITLI DOĞALGAZ-DİZEL BİR MOTORDA ENJEKSİYON STRATEJİSİNİN PERFORMANS VE EMİSYONLARA ETKİSİNİN İNCELENMESİ**
Altinkurt M. D., Merts M., Tunér M., Türkcan A.
16th International Combustion Symposium (INCOS2022), Aydın, Turkey, 8 - 11 September 2022, pp.374-380
- II. **PİSTON TASARIMI VE FARKLI YAKIT KARIŞIMLARININ DİREKT ENJEKSİYONLU BİR HCCI MOTORDA YANMAYA ETKİLERİNİN SONLU HACİMLER METODU İLE İNCELENMESİ**
Köse K., Altinkurt M. D., Türkcan A.
International Marmara Sciences Congress (Autumn) 2020, Kocaeli, Turkey, 4 - 05 December 2020, pp.359-366
- III. **Numerical Investigation of the Effects of Second Injection Timing and EGR on Combustion and Emission Formation in a HCCI Engine Running with Ethanol-Gasoline Fuel Blends**
TÜRKCAN A., ALTINKURT M. D., ÇANAKCI M.
9th International Automotive Technologies Congress (OTEKON 2018), Bursa, Turkey, 7 - 08 May 2018, vol.1, pp.665-674
- IV. **Benzin-Metanol Karışımları Kullanılan HCCI-DI Bir Motorda II. Enjeksiyon Zamanı ve Dış EGR'nin Yanma Karakteristikleri ve Emisyonlara Etkisinin İncelenmesi**
Altinkurt M. D., Türkcan A., Çanakçı M.
14th International Combustion Symposium, (14. Uluslararası Yanma Sempozyumu) INCOS 2018, Karabük, Turkey, 25 - 27 April 2018, vol.1, pp.217-226
- V. **Effects of Using Methanol-Gasoline Fuel Blends with Different Injection Strategies in an HCCI engine: Comparison of experimental results with CFD Simulation**
Coşkun G., Türkcan A., Altinkurt M. D., Demir Ü.
AVL International Simulation Conference 2017, Graz, Austria, 27 - 29 June 2017

VI. Experimental and computational studies on the combustion and emissions of a gasoline HCCI-DI engine using second injection strategy

ALTINKURT M. D., TRKCAN A., ANAKCI M.

8. Otomotiv Teknolojileri Kongresi (OTEKON 2016), Turkey, 23 - 24 May 2016

Scientific Refereeing

Fuels, Fire and Combustion in Engineering Journal, Other Indexed Journal, December 2023

FUEL, Journal Indexed in SCI-E, March 2023

Fuels, Fire and Combustion in Engineering Journal (FCE), Other Indexed Journal, December 2021

FUEL, Journal Indexed in SCI-E, April 2020

Metrics

Publication: 13

Citation (WoS): 58

Citation (Scopus): 64

H-Index (WoS): 2

H-Index (Scopus): 2

Scholarships

2214-A YurtdiŐı Doktora Sırası AraŐtırma Bursu, TUBITAK, 2020 - 2022