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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Makine Mühendisliği A.B.D./Enerji Programı, Turkey 2017 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği A.B.D./Otomotiv Programı, Turkey 2014 - 2017

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği Bölümü, Turkey 2009 - 2014

Research Areas

Mechanical Engineering, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of multiple injection on CI engine pollutant emissions and green house gases**
Albayrak A., GEZER O., ÖZENER O., Büyük C., ÖZKAN M.
Fuel, vol.349, 2023 (SCI-Expanded)
- II. **Evaluation of pollutant emissions generated at bus stops**
Özener O., Gezer O., Özkan M.
FUEL, no.310, pp.1-10, 2022 (SCI-Expanded)
- III. **Performance and emissions of spark-ignition engines fuelled with petrol and methane**
KARAGÖZ Y., BALCI Ö., GEZER O., KÖTEN H., İŞİN Ö.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-ENERGY, vol.174, no.4, pp.156-169, 2021 (SCI-Expanded)
- IV. **Numerical and experimental investigation of fuel consumption and CO2 emission performance for a parallel hybrid vehicle**
Balcı Ö., Karagoz Y., Gezer O., Kale S., Koten H., Pusat S., Yuksek L.
ALEXANDRIA ENGINEERING JOURNAL, vol.60, no.4, pp.3649-3667, 2021 (SCI-Expanded)
- V. **Performance analysis of a hybrid lightweight vehicle with downsized engine**
Karagöz Y., Balcı Ö., Gezer O., Kale S., Köten H.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.42, pp.1513-1525, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **CO2 Analyses With Model-Based Regulatory Tools: Vecto Application For İstanbul Public Transportation Case**

Refereed Congress / Symposium Publications in Proceedings

- I. **THE EFFECT OF MULTIPLE INJECTION ON CI ENGINE POLLUTANT EMISSIONS AND GREEN HOUSE GASES**
Albayrak A., Gezer O., Özener O., Büyük C., Özkan M.
16th International Combustion Symposium (INCOS2022), Aydın, Turkey, 8 - 11 September 2022, pp.79-84
- II. **Effect of auxiliary usage on bus CO2 emissions through vehicle simulation**
Zacharof N., Özener O., Özkan M., Gezer O., Broekaert S., Fontaras G., Samaras Z.
24th Transport and Air Pollution Conference, 30 March - 01 April 2021, pp.1
- III. **Evaluation of Pollutant Emissions Generated at Bus Stops**
Özener O., Gezer O., Özkan M.
8th International Conference on Renewable Fuels, Combustion and Fire (FCE'21), Ankara, Turkey, 5 - 07 March 2021, pp.304-308
- IV. **CO2 Analyses With Model Based Regulatory Tools: VECTO Application For İstanbul Public Transportation Case**
Özener O., Özkan M., Gezer O., Zacharof N., Fontaras G.
15th INTERNATIONAL COMBUSTION SYMPOSIUM, 17 - 19 September 2020, pp.177-182
- V. **TEK SİLİNDİRLİ SIKIŞTIRMA ATEŞLEMELİ BİR MOTORDA POST ENJEKSİYON ZAMANLAMA VE SURECİNİN EGZOZ GAZ EMİSYONLARINA ETKİSİNİN DENEYSEL OLARAK İNCELENMESİ**
ÖZENER O., GEZER O., ÖZKAN M., ÖZCAN E., BÜYÜK C., GÜÇLÜ M., KILIÇASLAN A.
7th INTERNATIONAL FUELS, COMBUSTION AND FIRE CONFERENCE IN ENGINEERING (FCE 19), Antalya, Turkey, 10 - 13 March 2019, pp.311-315
- VI. **Investigation on Effect of A Micro Pilot Injection Method on Performance and Emissions in Diesel-LPG Dual Fuelled Engine**
KÖTEN H., KARAGÖZ Y., BALCI Ö., GEZER O., KALE S.
2ND INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES JUNE 27-29, 2019 ISTANBUL TURKEY, 27 - 29 June 2019
- VII. **EFFECT OF DIFFERENT RATIO OF DIESEL INJECTION ON A HYDROGEN FUELED CI ENGINE PERFORMANCE AND EMISSIONS**
SANDALCI T., GEZER O., KARAGÖZ Y., KÖTEN H.
10th International Conference on Hydrogen Production ICH2P 2019, 15 - 17 May 2019

Supported Projects

ERGENÇ A. T., ARSLAN M. S., ÖZENER O., GEZER O., BALCI İ. C., Project Supported by Higher Education Institutions, Monokok Şasiye Sahip Tam Otonom Elektrikli Yarış Aracı Tasarımı, 2021 - Continues

Metrics

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