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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2017 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Enerji Anabilim Dalı, Turkey
2015 - 2017

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mechanical Engineering, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Tribological Performance Investigation of a Commercial Engine Oil Incorporating Reduced Graphene Oxide as Additive**
Kaleli H., DEMİRTAŞ S., Uysal V., Karnis I., Stylianakis M. M., Anastasiadis S. H., Kim D.
NANOMATERIALS, vol.11, no.2, 2021 (SCI-Expanded)
- II. **Microstructure and wear behavior of a Cr-Mo-Nb alloyed manganese steel**
Ayadi S., Hadji A., Hakan K., Selman D.
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, vol.9, no.5, pp.11545-11562, 2020 (SCI-Expanded)
- III. **Review of tribological behavior of graphene coatings on piston rings in engines**
Karagoz Z. B. A., Demirtaş S., Kaleli H., Yüksek L., Citak E.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.72, no.2, pp.243-254, 2020 (SCI-Expanded)
- IV. **Characterization of the friction and wear effects of graphene nanoparticles in oil on the ring/cylinder liner of internal combustion engine**
DEMİRTAŞ S., Kaleli H., Khadem M., Kim D.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.71, no.5, pp.642-652, 2019 (SCI-Expanded)
- V. **Tribotest of engine piston ring/cylinder liner pairs with different nanoparticles added into engine oil**
DEMİRTAŞ S., KALELİ E. H., Khadem M., Kim D.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.72, no.2, pp.217-231, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Experimental investigation of the effect of tribological performance of reduced graphene oxide additive added into engine oil on gasoline engine wear**
Kaleli E. H., Demirtaş S.
LUBRICATION SCIENCE, vol.1627, pp.1-26, 2022 (Scopus)
- II. **Application of Suspended Nanoboric Acid as an Efficient Lubrication Additive in Engine Oil**
KALELİ E. H., DEMİRTAŞ S., Uysal V., TANRISEVEN Z., ZHAO J.
Key Engineering Materials, vol.823, pp.53-60, 2019 (Scopus)
- III. **Tribological Properties of New Developed Nano Boric Acid Suspended as Additive in Engine Oil**
Kaleli E. H., Demirtaş S., Uysal V., Tanriseven Z.
Key Engineering Materials, no.823, pp.41-52, 2019 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Experiments on Determination of Heat Transfer Coefficients for a Radiant Heated Enclosure**
Karakoyun Y., Dalkılıç A. S., Yumurtacı Z., Açıkgöz Ö., Demirtaş S.
INTERNATIONAL ENGINEERING AND TECHNOLOGY SYMPOSIUM, Batman, Turkey, 3 - 05 May 2018, vol.1, no.1, pp.1240-1245
- II. **Characterization Of Wear Mechanisms Occurring On Piston Ring And Cylinder Bore Of The Internal Combustion Engine**
DEMİRTAŞ S., KALELİ E. H.
2nd International Conference and Exhibition on Automobile Engineering, Valencia, Spain, 01 December 2016, pp.53
- III. **Is Abrasive Wear Common Mechanism of Piston Ring and Cylinder Liner Rubbed Surfaces?**
DEMİRTAŞ S., KALELİ E. H.
AAT 2016, İstanbul, Turkey, 11 October 2016, pp.333

Metrics

Publication: 12

Citation (WoS): 12

Citation (Scopus): 23

H-Index (WoS): 2

H-Index (Scopus): 3