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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Eskişehir Technical University, Institute Of Graduate Programs, Turkey 2021 - Continues

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Havacılık Bilimi ve Teknolojileri Böl., Turkey 2018 - 2021

Undergraduate, Anadolu University, Academy Of Civil Aviation, Department Of Aviation Electrics And Electronics, Turkey 2010 - 2017

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Modification of surface properties of AA2024-T3 aluminum alloy used in aviation by using laser, Kocaeli University, Fen Bilimleri Enstitüsü, Havacılık Bilimi ve Teknolojileri Böl., 2021

Research Areas

Engineering and Technology

Academic Titles / Tasks

Research Assistant, Kocaeli University, Havacılık ve Uzay Bilimleri Fakültesi, Havacılık Elektrik Elektronik, 2021 - Continues

Research Assistant, Nisantasi University, Academy Of Civil Aviation, Department Of Avionics, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- A comprehensive analysis of the production of H₂ and value-added chemicals from the electrolysis of biomass and derived feedstocks**
GÜNERHAN A., Altuntas O., Açikkalp E.
Biomass and Bioenergy, vol.192, 2025 (SCI-Expanded)
- Analyzing the influence of feedstock selection in pyrolysis on aviation gas turbine engines: A study**

on performance, combustion efficiency, and emission profiles

GÜNERHAN A., Altuntas O., ÇALIŞKAN H.

Energy, vol.306, 2024 (SCI-Expanded)

III. Energy efficiency and sustainability: Implementing circular economy principles for cabin waste management in aviation

Güven T. B., Degirmenci H., GÜNERHAN A., Altuntas O.

Energy for Sustainable Development, vol.81, 2024 (SCI-Expanded)

IV. Production of Super-Hydrophobic Al₂O₃-T₃ Surfaces by Using Nanosecond Fiber Laser

Gunerhan A., Genç Öztoprak B.

JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.33, no.12, pp.5895-5913, 2024 (SCI-Expanded)

V. Utilization of renewable and sustainable aviation biofuels from waste tyres for sustainable aviation transport sector

GÜNERHAN A., Altuntas O., Caliskan H.

Energy, vol.276, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. RECYCLING OF AEROSPACE CFRP COMPOSITES THROUGH PYROLYSIS

Günerhan A., Değirmenci H., Güven T. B., Altuntaş Ö.

INTERNATIONAL CONFERENCE OF AERONAUTICS AND ASTRONAUTICS (ICAA'24), Konya, Turkey, 6 - 08 November 2024, pp.5-6

II. Towards Zero Waste with the Circular Economy at Airports

GÜVEN T. B., DEĞİRMENCİ H., GÜNERHAN A., ALTUNTAŞ Ö.

The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, Kayseri, Turkey, 6 - 08 October 2023, pp.415-416

III. A Comprehensive Review of The Impact of Feedstock Chosen in The Pyrolysis Process on The Emissions of Gas Turbine Engines

GÜNERHAN A., ALTUNTAŞ Ö., ÇALIŞKAN H.

11th Global Conference on Global Warming, İstanbul, Turkey, 14 - 16 June 2023, pp.43-47

IV. Determination of Production Processes of ASTM-Compliant Bio-jet Fuel from Waste Tyre Feedstock

Günerhan A., Altuntaş Ö., Çalışkan H.

The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges, Kayseri, Turkey, 6 - 08 October 2023

V. Use of ASTM Certified Alternative Jet Fuels in Aviation Gas Turbine Engines

GÜNERHAN A., ALTUNTAŞ Ö., ÇALIŞKAN H.

Aviation In The XXI-st Century 2022, KYIV, Ukraine, 28 - 30 September 2022, pp.15-19

VI. Modification of Surface Properties of Al 2024 Alloy By Using Nanosecond Fiber Laser

Günerhan A., Genç Öztoprak B.

TURKISH PHYSICAL SOCIETY 36TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 1 - 05 September 2020, pp.61

Metrics

Publication: 12

Citation (WoS): 17

Citation (Scopus): 22

H-Index (WoS): 2

H-Index (Scopus): 3