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International Researcher IDs

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Publons / Web Of Science ResearcherID: T-7062-2019

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Education Information

Doctorate, University of Wisconsin - Madison, Faculty of Engineering, Mechanical Engineering, United States Of America
2014 - 2018

Postgraduate, University of Wisconsin - Madison, Faculty of Engineering, Mechanical Engineering, United States Of
America 2012 - 2014

Research Areas

Construction and Manufacturing, Mechanical

Academic Titles / Tasks

Assistant Professor, Abdullah Gul University, Mühendislik Fakültesi, Makine Mühendisliği, 2020 - Continues

Lecturer PhD, Mus Alparslan University, Faculty Of Engineering-Architecture, Department Of Mechanical Engineering,
2018 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and statistical damage analysis in milling of S2-glass fiber/epoxy and basalt fiber/epoxy composites**
Sayin A. C., DANIŞMAN Ş., ERSOY E., Yılmaz Ç., Kesriklioglu S.
Polymer Composites, vol.45, no.16, pp.15140-15158, 2024 (SCI-Expanded)
- II. **Ineffectiveness of flood cooling in reducing cutting temperatures during continuous machining**
KESRİKLİOĞLU S.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.122, no.9-10, pp.3957-3968, 2022
(SCI-Expanded)
- III. **Characterization of Tool-Chip Interface Temperature Measurement With Thermocouple Fabricated Directly on the Rake Face**
Kesriklioglu S., Arthur C., Morrow J. D., Pfefferkorn F. E.
JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME, vol.141, no.9, 2019
(SCI-Expanded)
- IV. **Prediction of Tool-Chip Interface Temperature in Cryogenic Machining of Ti-6Al-4V: Analytical Modeling and Sensitivity Analysis**

Kesriklioglu S., Pfefferkorn F. E.

JOURNAL OF THERMAL SCIENCE AND ENGINEERING APPLICATIONS, vol.11, no.1, 2019 (SCI-Expanded)

V. **Tool-Chip Interface Temperature Measurement in Interrupted and Continuous Oblique Cutting**

Kesriklioglu S., Morrow J. D., Pfefferkorn F. E.

JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME, vol.140, no.5, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **Accurate Prediction of Residual Stresses in Machining of Inconel 718 Alloy through Crystal Plasticity Modelling**

Kesriklioglu S., KAPÇI M. F., Buyukcapar R., CETIN B., Yılmaz O. D., Bal B.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.23, no.1, pp.247-259, 2023 (Peer-Reviewed Journal)

II. **Comparison of Ensemble and Base Learner Algorithms for the Prediction of Machining Induced Residual Stresses in Turning of Aerospace Materials**

Buyrukoğlu S., Kesriklioglu S.

BİTLİS EREN UNIVERSITY JOURNAL OF SCIENCE, vol.11, no.3, pp.861-879, 2022 (Peer-Reviewed Journal)

III. **A parametric study for drilling high quality holes on glass fiber composites**

Kesriklioglu S., Yılmaz Ç.

Journal of Advances in Manufacturing Engineering, vol.1, no.3, pp.26-32, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Controlled Discrete Chip Formation in Turning with CNC Programming**

Kesriklioğlu S.

International Conference on Engineering Technologies (ICENTE'23), Konya, Turkey, 23 - 25 November 2023, pp.205-210

II. **Real time temperature measurement with embedded thin-film thermocouples in milling**

KESRİKLİOĞLU S., PFEFFERKORN F. E.

Procedia CIRP, 25 - 27 June 2018, vol.77, pp.618-621

III. **Tool-chip interface temperature measurement in interrupted and continuous oblique cutting**

Kesriklioglu S., Morrow J. D., Pfefferkorn F. E.

ASME 2017 12th International Manufacturing Science and Engineering Conference, MSEC 2017 collocated with the JSME/ASME 2017 6th International Conference on Materials and Processing, California, United States Of America, 4 - 08 June 2017, vol.3

Supported Projects

Kesriklioğlu S., TÜBİTAK Project, Manufacturing of Flat Micro Electric Wires with Chips formed During the Turning Process, 2024 - 2026

Yılmaz Ç., KESRİKLİOĞLU S., TÜBİTAK Project, Optimization of Machining Parameters for S2-glass and Basalts Fiber Reinforced Thermoset Composites with Acoustic Emission and Milling Tool Embedded with Thin Film Thermocouple, 2021 - 2024

Scientific Refereeing

JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, Journal Indexed in SCI-E, January 2019

Metrics

Publication: 11

Citation (WoS): 21

Citation (Scopus): 23

H-Index (WoS): 3

H-Index (Scopus): 2