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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey
2019 - Continues

Postgraduate, Istanbul Technical University, Makina, Makina Mühendisliği, Turkey 2017 - 2019

Undergraduate Double Major, Istanbul Technical University, İşletme Fakültesi, İşletme Mühendisliği, Turkey 2014 - 2018

Undergraduate, Istanbul Technical University, Makina Fakültesi, Makina Mühendisliği, Turkey 2012 - 2017

Dissertations

Postgraduate, TERMOPLASTİKLERİN ULTRASONİK KAYNAĞI İÇİN L VE LT MODLARINDA ÇALIŞAN REZONATÖR
TASARIMI, Istanbul Technical University, Makina, Makina Mühendisliği, 2019

Research Areas

Material, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical
Engineering, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Effect of build orientation on the green tribological properties of multi-jet fusion manufactured PA12 parts**
GAVCAR B., Sumer E. H., SAĞBAŞ B., Katiyar J. K.
Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, vol.237, no.12,
pp.2213-2223, 2023 (SCI-Expanded)

Articles Published in Other Journals

- An Overview on Additive Manufacturing of Titanium Alloys for Biomedical Applications**

Books & Book Chapters

I. **Mechanical post-processing techniques for metal additive manufacturing**

Gavcar B., Sağbaş B.

in: Post-processing Techniques for Additive Manufacturing, Dilshad Ahmad Khan, Faiz Iqbal, Zafar Alam, Editor, CRC, New York, New York, pp.21-44, 2023

Refereed Congress / Symposium Publications in Proceedings

I. **SWOT Analysis for Machine Learning Methods in Additive Manufacturing**

Gavcar B.

5th International Engineering and Technology Management Summit, İstanbul, Turkey, 19 - 21 October 2023

II. **EFFECT OF BUILD ORIENTATION AND SURFACE POST PROCESS ON THE TRIBOLOGICAL PROPERTIES OF MJF MANUFACTURED PA12 PARTS**

Gavcar B., Sağbaş B.

6th International Congress on 3D Printing Technologies and Digital Industry, 22 - 23 November 2022, pp.66

III. **POLYETHERETHERKETONE (PEEK) AND ITS ADDITIVE MANUFACTURING FOR BIOMEDICAL APPLICATIONS**

GAVCAR B., SAĞBAŞ B.

6th International Conference on Advances in Mechanical Engineering, 20 October 2021

IV. **Additive Manufacturing of Titanium Alloys for Biomedical Applications.**

SAĞBAŞ B., GAVCAR B.

5. International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry, Turkey, 3 - 05 June 2021

V. **A Mathematical Approach for Assembly Line Balancing: 6060 Built-in Oven Problem**

GAVCAR B., Büyükkız B., BELDEK T., KONYALIOĞLU A. K., ÇEBİ F.

4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, Turkey, 18 - 21 December 2018

Metrics

Publication: 8