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Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2003 - 2009

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Turkey 1999 - 2002

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 1994 - 1999

Research Areas

Metallurgical and Materials Engineering, Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Presidency Office, Presidency Office, 2000 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparative Performance Study of Acidic Pumice and Basic Pumice Inclusions for Acrylonitrile-Butadiene-Styrene-Based Composite Filaments**
Tayfun Ü., Tirkeş S., DOĞAN M., TİRKEŞ S., Zahmakıran M.
3D Printing and Additive Manufacturing, vol.11, no.1, pp.276-286, 2024 (SCI-Expanded)
- II. **Tailoring the microstructure and mechanical properties of IN718 alloy via a novel scanning strategy implemented in laser powder bed fusion**
KALELİ ALAY T., Cagirci M., Yalcin M. Y., Yagmur A., TİRKEŞ S., AYDOĞAN GÜNGÖR E., GÜR C. H.
Materials Science and Engineering: A, vol.884, 2023 (SCI-Expanded)
- III. **Investigating the Effects of Repair Welding on Microstructure, Mechanical Properties, and Corrosion Behavior of IN-939 Superalloy**
Mashhuriazar A., Badiheghdam M., GÜR C. H., ERTÜRK M. T., BATIGÜN C., TİRKEŞ S., Sajuri Z., Omidvar H.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.32, no.15, pp.7016-7028, 2023 (SCI-Expanded)
- IV. **Contribution of surface silanization process on mechanical characteristics of TPU-based composites**

involving feldspar and quartz minerals

Bouzmane H., TIRKEŞ S., Yilmaz V. M., Tayfun U., TIRKEŞ S.

JOURNAL OF VINYL & ADDITIVE TECHNOLOGY, vol.29, no.1, pp.109-119, 2023 (SCI-Expanded)

V. Fatigue Cracking of Hybrid Plasma Gas Metal Arc Welded 2205 Duplex Stainless Steel

YURTIŞIK K., TIRKEŞ S.

MATERIALS TESTING, vol.56, no.10, pp.800-805, 2014 (SCI-Expanded)

VI. Characterization of Duplex Stainless Steel Weld Metals Obtained by Hybrid Plasma-Gas Metal Arc Welding

YURTIŞIK K., TIRKEŞ S., Dykhno I., GÜR C. H., GÜRBÜZ R.

SOLDAGEM & INSPECAO, vol.18, no.3, pp.207-216, 2013 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Optimizing the Heat Treatment Parameters of Additively Manufactured IN718 Components

Kaleli T., Yağmur A., Tirkeş S., Gür C. H.

20. International Metallurgy and Materials Congress, İstanbul, Turkey, 10 - 12 June 2021, vol.1, pp.275

II. Effect of Heat Treatment on Microstructure and Mechanical Properties of Additively Manufactured 18Ni300 Maraging Steels

Aydın İ., Yağmur A., Tirkeş S., Gür C. H.

20. International Metallurgy and Materials Congress, İstanbul, Turkey, 10 - 12 June 2021, vol.1, pp.243

Metrics

Publication: 8

Citation (WoS): 18

Citation (Scopus): 27

H-Index (WoS): 2

H-Index (Scopus): 2