

Res. Asst. MEHMET FURKAN BALTACIOĞLU

Personal Information

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Education Information

Doctorate, Abdullah Gul University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2019 - Continues

Postgraduate, Abdullah Gul University, Mühendislik Fakültesi, Nanoteknoloji Mühendisliği, Turkey 2016 - 2018

Undergraduate, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2008 - 2013

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Design of lightweight and compact knee-ankle assistive device for walking and sit to stance, Abdullah Gul University, Mühendislik Fakültesi, Makine Mühendisliği, 2018

Academic Titles / Tasks

Research Assistant, Abdullah Gul University, Mühendislik Fakültesi, Makine Mühendisliği, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A phenomenological hydrogen induced edge dislocation mobility law for bcc Fe obtained by molecular dynamics**
Baltacioglu M. F., Kapci M. F., Schön J. C., Marian J., Bal B.
International Journal of Hydrogen Energy, vol.87, pp.917-927, 2024 (SCI-Expanded)
- II. **Hydrogen susceptibility of Al 5083 under ultra-high strain rate ballistic loading**
Baltacioglu M. F., Mozafari F., AYDIN M., Cetin B., Oktan A. D., Teoman A., Li Y., Bal B.
Materialpruefung/Materials Testing, vol.66, no.10, pp.1627-1643, 2024 (SCI-Expanded)
- III. **The Effect of Strain Rate on the Hydrogen Embrittlement Susceptibility of Aluminum 7075**
BALTACIOĞLU M. F., Cetin B., BAL B.
Journal of Engineering Materials and Technology, vol.145, no.2, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Preparation of Photocatalytic Materials for Water Clarification via Organic Waste**
ERDEM İ., BALTACIOĞLU M. F., BİLGİ M. F.

Refereed Congress / Symposium Publications in Proceedings

I. WALKMECH2.1: DESIGN OF AN ENERGY-RECYCLING TRANSFEMORAL PROSTHESIS FOR ACTIVITIES OF DAILY LIFE

Baltacıođlu M. F.

9 TH INTERNATIONAL BIOMECHANICS CONGRESS, Eskiřehir, Turkey, 19 - 22 September 2018, pp.493-494

II. WALKMECH2.0: CONCEPTUAL DESIGN AND STRUCTURAL ANALYSES OF AN ENERGY-RECYCLING TRANSFEMORAL PROSTHESIS FOR ACTIVITIES OF DAILY LIFE

Baltacıođlu M. F.

The 18th International Conference on Machine Design and Production, Eskiřehir, Turkey, 3 - 06 July 2018, pp.23

Metrics

Publication: 6