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International Researcher IDs

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Publons / Web Of Science ResearcherID: AIF-3855-2022

Yoksis Researcher ID: 301027

Education Information

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2017 - 2021

Undergraduate, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği Bölümü, Turkey 2012 - 2017

Research Areas

Mechanical Engineering, Computer Aided Design and Manufacturing, Non-traditional manufacturing methods, Plastic Forming Methods, Machining Methods, Mechanical Testing, Thermal Treatment, Material Characterization, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Experimental Assessment of Deformation and Springback Behavior for Additive Manufactured Ti6Al4V**
Aydın K., Karamolla M., Karaağaç İ., Kabakçı M. O., Doğan H.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.1, pp.1-8, 2023 (SCI-Expanded)
- II. **The experimental investigation of pre-bulging type on deep drawability**
Kabakçı M. O., Karaağaç İ.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.45, no.8, pp.1-10, 2023 (SCI-Expanded)
- III. **A novel approach to the conventional deep drawing process**
Kabakçı M. O., Karaağaç İ., Demirel M. Y.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART E: JOURNAL OF PROCESS MECHANICAL ENGINEERING, vol.237, no.2, pp.280-289, 2023 (SCI-Expanded)
- IV. **The effects of laser-assisted heat treatment on warm formability of dual-phase materials**
Karaağaç İ., Kabakçı M. O., Başdoğan Z.

IRONMAKING AND STEELMAKING, vol.1, pp.1-7, 2023 (SCI-Expanded)

V. **Experimental investigation of the effects of annealing in Al7075-T6 sheet metal material on formability and springback**

KARAAĞAÇ İ., KABAKÇI M. O., Demirel M. Y.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.3, pp.1320-1329, 2021 (SCI-Expanded)

Articles Published in Other Journals

I. **Experimental Investigation of Effects of Annealing Process on Formability and Microstructure of Al 2024-T3 Sheet Metal Material**

Karaağaç İ., Kabakçı M. O., Demirel M. Y.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.8, no.1, pp.169-180, 2020 (Peer-Reviewed Journal)

II. **An Experimental Investigation of Annealing Parameters Effects on Al7075-T6 Materials' Mechanical Properties and Formability**

Kabakçı M. O., Karaağaç I., Demirel M. Y.

KMÜ Mühendislik ve Doğa Bilimleri Dergisi, vol.1, no.1, pp.108-119, 2019 (Peer-Reviewed Journal)

III. **THE EXPERIMENTAL INVESTIGATION OF ANNEALING PARAMETERS EFFECTS ON AL2024-T3 MATERIALS' FORMABILITY AND MECHANICAL PROPERTIES**

Karaağaç İ., Kabakçı M. O., Demirel M. Y.

European Journal of Technique, vol.9, pp.338-346, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. **THE REVIEW OF LASER CLADDING METHOD AND PARAMETERS**

KARAAĞAÇ İ., KABAKÇI M. O., DEMİREL M. Y.

in: INNOVATIVE TECHNOLOGY APPLICATIONS IN ENGINEERING SCIENCES, Rakesh JAIN, Abdulkadir GÜLLÜ, Senai YALÇINKAYA, Editor, Güven Plus Grup A.Ş. Yayınları, İstanbul, pp.140-167, 2022

II. **SAC METAL MALZEMELERİN HİDROLİK VE DİĞER ŞEKİLLENDİRME YÖNTEMLERİYLE BİRLEŞİK ŞEKİLLENDİRİLEBİLİRLİKLERİ**

Karaağaç I., Demirel M. Y., Kabakçı M. O.

in: ENGINEERING and MULTIDISCIPLINARY APPROACHES, Güllü Abdulkadir, Yalçinkaya Senai, Editor, Güven Plus Grup A.Ş. Publications, İstanbul, pp.9-27, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **Experimental Investigation of The Effect of Temperature on Springback in 15-5PH Stainless Steel Sheet Materials**

Özcan A. H., Karaağaç I., Demirel M. Y., Kabakçı M. O.

4. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, İstanbul, Turkey, 03 November 2022, pp.38-45

II. **Effect of Temperature on Springback in Docol 1400 Sheet Material**

Karaağaç I., Kaçal A., Aydın K., Kabakçı M. O.

9. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 14 - 16 May 2022, pp.1178-1182

III. **MODELING SPRINGBACK IN DUAL-PHASE STEEL MATERIAL WITH FUZZY LOGIC**

Karaağaç I., Kaçal A., Aydın K., Kabakçı M. O.

9. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 14 - 16 May 2022,
pp.1173-1177

- IV. **Analysis of the Effects of Die Entry Type on the Deep Drawability of Al6061-T6**
KABAKÇI M. O., KARAAĞAÇ İ.
V. International Scientific and Vocational Studies Congress – Engineering (BILMES EN 2020), Ankara, Turkey, 12
December 2020, pp.33-34
- V. **THE EFFECT OF FORMING WITH LOCAL HEATING ON MICROSTRUCTURE IN DP800 SHEET
MATERIALS**
Aydin K., Kabakçı M. O., Karaağaç I.
IV. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi, Ankara, Turkey, 7 - 10 November 2019, pp.204-208
- VI. **EFFECT OF TEMPERATURE AND DIE ANGLE ON SPRINGBACK IN DP800 SHEET MATERIALS**
Aydin K., Kabakçı M. O., Karaağaç I.
IV. ULUSLARARASI BİLİMSEL VE MESLEKİ ÇALIŞMALAR KONGRESİ, Ankara, Turkey, 7 - 10 November 2019,
pp.209-213
- VII. **Development of Experimental Setup to Detect Swelling Behavior in Plastic Extrusion Process**
Akkuş A., Ağbulut Ü., Civelek B., Koş G., Kabakçı M. O., Karaağaç I., Uluer O.
3rd International Engineering Research Symposium (iners'19, 5-7 Eylül), Düzce., Düzce, Turkey, 5 - 07 September
2019
- VIII. **Effect of Punch Radius and Die Angle on Springback in DP600 and HSLA Sheet Materials**
Aydin K., Kabakçı M. O., Karaağaç I.
I. International Science and Innovation Congress, 26-29 August 2019, Pamukkale,Denizli/TURKEY, Denizli, Turkey,
26 - 29 August 2019
- IX. **Springback Behaviours of DP800 Sheet Metal Materials**
Aydin K., Kabakçı M. O., Karaağaç I.
I. International Science and Innovation Congress, 26-29 August 2019, Pamukkale,Denizli/TURKEY, Denizli, Turkey,
26 - 29 August 2019

Metrics

Publication: 19

Citation (WoS): 4

Citation (Scopus): 7

H-Index (WoS): 2

H-Index (Scopus): 2

Non Academic Experience

TR ARGE

RADSAN ELEKTROMEKANİK A.Ş.