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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: V-3723-2017

ScopusID: 54883481500

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Eğitimi (Dr), Turkey 2004 - 2011

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Makine Eğitimi (YI) (Tezli), Turkey 2001 - 2004

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, The experimental investigation of sheet metal Hydroforming process parameters, Gazi University, Fen Bilimleri Enstitüsü, Makine Eğitimi (Dr), 2011

Postgraduate, Computer aided cost calculation of the plastic injection molds, Gazi University, Fen Bilimleri Enstitüsü, Makine Eğitimi (YI) (Tezli), 2004

Research Areas

Mechanical Engineering, Construction and Manufacturing, Computer Aided Design and Manufacturing, Plastic Forming Methods, Machining Methods, Finite Element Methods, Mechanical Properties, Material Characterization

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği, 2023 - Continues

Associate Professor, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği, 2018 - 2023

Assistant Professor, Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği, 2012 - 2018

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Makina Eğitimi, 2007 - 2012

Academic and Administrative Experience

Gazi University, Teknoloji Fakültesi, İmalat Mühendisliği Bölümü, 2015 - 2017

Courses

COMPUTER AIDED MANUFACTURING-II (CAM-II), Undergraduate, 2023 - 2024, 2022 - 2023

COMPUTER AIDED DESIGN-II, Undergraduate, 2022 - 2023

COMPUTER AIDED ENGINEERING AND ANALYSIS-CAE, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017

MECHANICS OF SHEET METAL FORMING, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

ADVANCED SURFACE MODELLING TECHNIQUES, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

COMPUTER AIDED TECHNICAL DRAWING I, Undergraduate, 2020 - 2021, 2019 - 2020

MECHANICS OF MATERIALS, Undergraduate, 2016 - 2017

Advising Theses

Karaağaç İ., EXPERIMENTAL INVESTIGATION OF THE IMPACT OF TEMPERATURE AND DEFORMATION RATE ON SUPERPLASTIC FORMING IN TITANIUM SHEET MATERIALS, Doctorate, M.YASİN(Student), 2024

Karaağaç İ., 15-5ph sac malzemelerde farklı sıcaklıkların şekillendirilebilirliğe etkisinin deneysel araştırılması, Postgraduate, A.HAYDAR(Student), 2023

Karaağaç İ., Experimental Investigation Of The Effect Of Die Geometry On Deep Drawability, Postgraduate, M.OKAN(Student), 2020

KARAAĞAÇ İ., Investigation Of Die Swell Ratio Of Polypropylene Material, Postgraduate, A.AKKUŞ(Student), 2019

KARAAĞAÇ İ., Experimental Investigation Of Springback Behaviours Of Laser Welded Dp600 And Hsla Sheet Materials, Postgraduate, K.AYDIN(Student), 2018

Karaağaç İ., The Experimental Investigation Of Temperature Effects On Springback In Aluminium Materials, Postgraduate, M.Yasin(Student), 2018

KARAAĞAÇ İ., The Experimental Investigation Of The Temperature Effect On Springback Behavior In V Bending Process, Postgraduate, T.ÖNEL(Student), 2017

Karaağaç İ., The Experimental Investigation Of Springback In V Hydro-Bending Process, Postgraduate, Y.Aslan(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **The effect of heat treatment on laser-welding performance of additive manufactured Ti6Al4V sheets**
Aydın K., Karamolla M., Karaağaç İ., Kaçal A., Doğan H.
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, vol.129, no.7, pp.1-9, 2023 (SCI-Expanded)
- III. **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)
- IV. **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)

- V. **High-speed superplastic formability and deformation mechanisms of Ti6Al4V sheets**
Demirel M. Y., Karaağaç İ.
MATERIALS SCIENCE & ENGINEERING A: STRUCTURAL MATERIALS: PROPERTIES, MICROSTRUCTURE AND PROCESSING, vol.866, no.144652, pp.1-8, 2023 (SCI-Expanded)
- VI. **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, 2022 (SCI-Expanded)
- VII. **EVALUATION OF THE EFFECTS OF LOCAL HEATING ON SPRINGBACK BEHAVIOUR FOR AHSS DOCOL 1400 SHEET METAL**
KÜÇÜKTÜRK G., Tahta M., GÜRÜN H., KARAAĞAÇ İ.
TRANSACTIONS OF FAMENA, vol.46, no.3, pp.51-62, 2022 (SCI-Expanded)
- VIII. **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)
- IX. **The effects of local heating on springback behaviour in v bending of galvanized DP600 sheet**
KARAAĞAÇ İ., Onel T., ULUER O.
IRONMAKING & STEELMAKING, vol.47, no.7, pp.807-813, 2020 (SCI-Expanded)
- X. **The experimental investigation of formability and springback in laser welded DP600 sheets**
Aydin K., KARAAĞAÇ İ.
MATERIALS RESEARCH EXPRESS, vol.6, no.12, 2019 (SCI-Expanded)
- XI. **The formability and springback characterization of laser-welded DP-HSLA sheets**
Aydin K., KARAAĞAÇ İ., ULUER O.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.8, 2019 (SCI-Expanded)
- XII. **The Evaluation of Process Parameters on Springback in V-bending Using the Flexforming Process**
KARAAĞAÇ İ.
MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS, vol.20, no.5, pp.1291-1299, 2017 (SCI-Expanded)
- XIII. **The Experimental Investigation of Springback in V-Bending Using the Flexforming Process**
KARAAĞAÇ İ.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.42, no.5, pp.1853-1864, 2017 (SCI-Expanded)
- XIV. **Experimental research on warm deep drawing of HC420LA grade sheet material**
ŞEN N., KARAAĞAÇ İ., Kurgan N.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.87, pp.3359-3371, 2016 (SCI-Expanded)
- XV. **The Experimental Investigation of Effects of Multiple Parameters on the Formability of the DC01 Sheet Metal**
GÜRÜN H., KARAAĞAÇ İ.
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.61, no.11, pp.651-662, 2015 (SCI-Expanded)
- XVI. **EXPERIMENTAL INVESTIGATION ON THE FORMABILITY OF SQUARE-SHAPED CUPS BY HYDROMECHANICAL DEEP DRAWING PROCESS**
KARAAĞAÇ İ., ÖZDEMİR A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.1, pp.33-41, 2013 (SCI-Expanded)
- XVII. **THE FORMABILITY OF ERDEMİR 6112 SHEET METAL BY THE HYDROMECHANICAL DEEP DRAWING PROCESS**
KARAAĞAÇ İ., ÖZDEMİR A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.4, pp.841-850,

Articles Published in Other Journals

- I. **The Effects of Temperature on Microstructure and Formability of Titanium Alloys**
Demirel M. Y., Karaağaç İ.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.9, no.3, pp.192-207, 2021 (Peer-Reviewed Journal)
- II. **Experimental Investigation of Annealing Parameters Effects on Microstructure and Mechanical Properties of 7075-T6 Alloy**
Demirel M. Y., KARAAĞAÇ İ.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.23, no.2, pp.283-289, 2020 (ESCI)
- III. **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)
- IV. **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)
- V. **The Experimental Investigation of Springback in Laser Welded HSLA Sheet Materials**
Aydın K., Karaağaç İ.
Avrupa Bilim ve Teknoloji Dergisi, vol.2019, no.17, pp.29-37, 2019 (Peer-Reviewed Journal)
- VI. **An Experimental Investigation of Annealing Parameters Effects on Al7075-T6 Materials' Mechanical Properties and Formability**
Kabakçı M. O., Karaağaç İ., Demirel M. Y.
KMÜ Mühendislik ve Doğa Bilimleri Dergisi, vol.1, no.1, pp.108-119, 2019 (Peer-Reviewed Journal)
- VII. **Experimental Investigation of the Effect of Process Parameters on Springback Behavior in DP600 and HSLA300 Sheet Metal Materials**
Aydın K., Karaağaç İ.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.7, no.3, pp.1456-1465, 2019 (Peer-Reviewed Journal)
- VIII. **An investigation of usability of expanded perlite in heat insulation technologies**
ULUER O., KARAAĞAÇ İ., AKTAŞ M., DURMUŞ G., Agbulut U., Khanlari A., ÇELİK D. N.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGISI, vol.24, no.1, pp.36-42, 2018 (ESCI)
- IX. **Laser Welding and Main Applications of Laser Welding**
Aydın K., Karaağaç İ.
El-Cezeri Journal of Science and Engineering, vol.5, no.2, pp.693-705, 2018 (Peer-Reviewed Journal)
- X. **Mathematical calculation and experimental investigation of expanded perlite based heat insulation materials' thermal conductivity values**
Uluer O., Aktas M., KARAAĞAÇ İ., DURMUŞ G., Khanlari A., Agbulut U., Celik D. N.
Journal of Thermal Engineering, vol.4, no.5, pp.2274-2286, 2018 (Scopus)
- XI. **The Experimental Investigation of Springback in Titanium Grade 1 Sheet Material and Prediction by Fuzzy Logic**
Önel T., Karaağaç İ.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.5, no.3, pp.213-222, 2017 (Peer-Reviewed Journal)
- XII. **The Friction Drilling Process and Key Applications of Process**
Demirel M. Y., Karaağaç İ.
El-Cezeri Journal of Science and Engineering, vol.4, no.2, pp.234-248, 2017 (Scopus)

- XIII. **Experimental investigation of effect of process parameters on springback in v bending process**
KARAAĞAÇ İ., ULUER O.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.23, no.8, pp.990-993, 2017 (ESCI)
- XIV. **An Experimental Investigation of the Lubrication Effects on Formability In Warm Deep Drawing**
Sen N., Kurgan N., KARAAĞAÇ İ., ULUER O.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.19, no.2, pp.185-193, 2016 (ESCI)
- XV. **The Approaches to Determine of Heat Transfer Coefficient for Composite Thermal Insulation Panel**
Karaağaç I., Durmuş G., Uluer O., Aktaş M., Tülü F. A.
El-Cezeri Journal of Science and Engineering, vol.3, no.1, pp.133-142, 2016 (Scopus)
- XVI. **Springback Behaviors in V Bending**
Aslan Y., Karaağaç I.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.2, no.3, pp.255-263, 2014 (Peer-Reviewed Journal)
- XVII. **AN OVERVIEW OF COMPUTER AIDED MANUFACTURING PROCESS**
Demirel M. Y., Karaağaç I.
Mühendis ve Makina, vol.55, no.652, pp.51-61, 2014 (Peer-Reviewed Journal)
- XVIII. **EXPERIMENTAL INVESTIGATION ON THE FORMABILITY OF SQUARESHAPED CUPS BY HYDROMECHANICAL DEEP DRAWING PROCESS**
KARAAĞAÇ İ., ÖZDEMİR A.
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.28, no.1, pp.33-41, 2013 (Peer-Reviewed Journal)
- XIX. **An Algorithmic Approach to the Tradational Cost Calculation of the Plastic Injection Moulds**
KARAAĞAÇ İ., ÖZDEMİR A.
Gazi University Journal of Science, vol.18, no.4, pp.657-669, 2005 (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
- III. **A Study on Some Factors Affecting on CO2 Curing of Expanded Pearlite Based Thermal Insulation Panel**
DURMUŞ G., ULUER O., AKTAŞ M., KARAAĞAÇ İ., Khanlari A., AĞBULUT Ü., ÇELİK D. N.
in: Proceedings of 3rd International Sustainable Buildings Symposium (ISBS 2017), Fırat, Seyhan, Kinuthia, John, Abu-Tair, Abid, Editor, Springer, New York, pp.61-70, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Additive Manufacturing Applications of 17-4 PH Material**
Türkyılmaz U. S., Karaağaç İ.
12th International Scientific Research and Innovation Congress, Almati, Kazakhstan, 3 - 04 March 2024, pp.162-172
- II. **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

- III. **AN OVERVIEW OF THE HYDROFORMING PROCESS**
Karaağaç İ.
4. Uluslararası Mühendislik Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, İstanbul, Turkey, 3 - 05 November 2022, pp.37-40
- IV. **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
- V. **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
- VI. **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
- VII. **THE EFFECT OF FORMING WITH LOCAL HEATING ON MICROSTRUCTURE IN DP800 SHEET MATERIALS**
Aydın K., Kabakçı M. O., Karaağaç I.
IV. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi, Ankara, Turkey, 7 - 10 November 2019, pp.204-208
- VIII. **EFFECT OF TEMPERATURE AND DIE ANGLE ON SPRINGBACK IN DP800 SHEET MATERIALS**
Aydın K., Kabakçı M. O., Karaağaç I.
IV. ULUSLARARASI BİLİMSEL VE MESLEKİ ÇALIŞMALAR KONGRESİ, Ankara, Turkey, 7 - 10 November 2019, pp.209-213
- IX. **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
- X. **Springback Behaviours of DP800 Sheet Metal Materials**
Aydın 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
- XI. **Effect of Punch Radius and Die Angle on Springback in DP600 and HSLA Sheet Materials**
Aydın 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
- XII. **Investigation of Formability and Springback Behaviors of Docol 1400 Sheet Material**
Tahta M., Küçüktürk G., Gürün H., Karaağaç I.
3. International Scientific and Vocational Studies Congress-Engineering, Nevşehir, Turkey, 27 - 29 June 2019, pp.402-407
- XIII. **Prediction of Springback in Laser Welded Dual Phase (DP600) Sheet Material Using Artificial Neural Networks Method**
Aydın K., Karaağaç I., Şahin H.
International Science and Academic Congress'18 (INSAC'18), Konya, Turkey, 8 - 09 December 2018
- XIV. **Prediction of Springback in Laser Welded HSLA Sheet Material with Artificial Neural Networks**
Aydın K., Karaağaç I., Şahin H.
International Science and Academic Congress'18 (INSAC'18), Konya, Turkey, 8 - 09 December 2018

- XV. **A Study on Some Factors Affecting on CO2 Curing of Expanded Perlite Based Thermal Insulation Panel**
DURMUŞ G., ULUER O., AKTAŞ M., KARAAĞAÇ İ., Khanlari A., Agbulut U., ÇELİK D. N.
3rd International Sustainable Buildings Symposium (ISBS), U ARAB EMIRATES, 15 - 17 March 2017, vol.7, pp.61-70
- XVI. **The Prediction of Springback in V Bending Process by Fuzzy Logic**
KARAAĞAÇ İ., ULUER O.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, pp.3164-3173
- XVII. **The Experimental Investigation of Springback Phenomenon in DP600 Sheet Metal Material and Estimation with Fuzzy Logic**
ÖNEL T., KARAAĞAÇ İ.
3rd Iron and Steel Symposium(UDCS'17), Karabük, Turkey, 3 April - 03 May 2017, pp.15-19
- XVIII. **A Study on Some Factors Affecting on CO2 Curing of Expanded Pearlite Based Thermal Insulation Panel**
Durmuş G., Uluer O., Aktaş M., Karaağaç I., Khanlari A., Ağbulut Ü., Çelik D. N.
3rd International Sustainable Buildings Symposium (ISBS 2017), Dubai, United Arab Emirates, 15 - 17 March 2017
- XIX. **Manufacturing of Expanding Perlite Based heat Insulation Materials Using Theoretical Conductivity Prediction Model Results**
ULUER O., AKTAŞ M., KARAAĞAÇ İ., DURMUŞ G., KHANLARI A., AĞBULUT Ü., ÇELİK D. N.
istanbul international conference on progress in applied science 2017 (ICPASv2017), İstanbul, Turkey, 4 - 06 January 2017, pp.156-162
- XX. **Manufacturing of Expanded Perlite Based Heat Insulation Material Using Theoretical Thermal Conductivity Prediction Model Results**
ULUER O., AKTAŞ M., KARAAĞAÇ İ., DURMUŞ G., KHANLARI A., AĞBULUT Ü., ÇELİK D. N.
International Conference on Progres in APPLIED SCIENCE 2017 (ICPAS 2017), İstanbul, Turkey, 4 - 06 January 2017, pp.156-161
- XXI. **Experimental Investigation of Process Parameters Affecting Springback in V Bending Process**
Karaağaç I., Uluer O.
IMSP'2016, Denizli, Turkey, 12 - 14 October 2016
- XXII. **Finite Element Analysis of The Effects of Blank Holder/Die Angle Change on Deep Drawing Ratio in Hydromechanical Deep Drawing Process**
Anket O., Karaağaç I., Koruvatan T.
International Science and Technology Conference 2016, Vienna, Austria, 13 - 15 July 2016, pp.596-602
- XXIII. **Experimental Investigation of Springback in Bending of AISI 304L Quality Sheet Material with V Bending Process**
Karaağaç I., Uluer O.
16th International Materials Symposium IMSP2016, Denizli, Turkey, 12 - 14 October 2016, pp.318-325
- XXIV. **Approaches to Determine Thermal Conduction Coefficient in Composite Thermal Insulation Boards**
Karaağaç I., Durmuş G., Uluer O., Aktaş M., Tülü F.
Ulusal Mühendislik Araştırmaları Sempozyumu (UMAS), Düzce, Turkey, 10 - 12 September 2015, pp.62
- XXV. **The deep drawability of copper sheet material by hydromechanical deep drawing process**
KARAAĞAÇ İ., ÖZDEMİR A., ULUER O.
The second international iron and steel symposium (IISS'15), Karabük, Turkey, 1 - 03 April 2015, pp.418-424
- XXVI. **Computer Aided Plastic Injection Mold Cost Estimation**
Karaağaç I., Uluer O., Gürün H.
1. Uluslararası Plastik ve Kauçuk Teknolojileri Sempozyumu ve Sergisi, Ankara, Turkey, 29 - 31 May 2013, pp.41-49
- XXVII. **Biodegradable Implant Materials in Bone Treatments**
Mert F., Gürün H., Karaağaç I., Uluer O.
1st International Symposium on Plastic and Rubber Technologies and Exhibition, Ankara, Turkey, 29 - 31 May 2013
- XXVIII. **Rubber production by the method of ultra speed Vulcanisation**
DİLİPAK H., FATİHHAN K., HUSSEIN H. M. A., GÜRÜN H., KARAAĞAÇ İ.

1st International Symposium on Plastic and Rubber Technologies and Exhibition, Ankara, Turkey, 29 - 31 May 2013

XXIX. Cost Estimation in Plastic Injection Molds

Karaağaç I., Uluer O., Gürün H., Mert F.

1st International Symposium on Plastic and Rubber Technologies and Exhibition, Ankara, Turkey, 29 - 31 May 2013

XXX. Investigation of the Effects of Hydroforming Method on Deep Drawability

Karaağaç I., Özdemir A.

5. Uluslararası İleri Teknolojiler Sempozyumu (IATS'09), Karabük, Turkey, 13 - 15 May 2009, pp.1420-1430

XXXI. Comparative Analysis of Classical and Hydroforming Deep Drawability of AISI 304 Stainless Steel Sheet Material with Finite Element Method

Karaağaç I., Gürün H., Özdemir A.

5. Uluslararası İleri Teknolojiler Sempozyumu (IATS'09), Karabük, Turkey, 13 - 15 May 2009, pp.1431-1436

XXXII. Design of Hydroforming Experiment Set-up

Karaağaç I., Özdemir A.

11. OTOMOTİV SEMPOZYUMU "KALIPÇILIK VE TASARIM, Bursa, Turkey, 8 - 09 May 2009, pp.330-338

Supported Projects

Karaağaç I., Project Supported by Higher Education Institutions, EXPERIMENTAL INVESTIGATION OF THE EFFECT OF TEMPERATURE AND DEFORMATION SPEED ON SUPER PLASTIC FORMING IN TITANIUM SHEET MATERIAL, 2021 - 2023

KARAAĞAÇ İ., Project Supported by Higher Education Institutions, Ters Kalıp Giriş Formunun Derin Çekme Kalıplarında Şekillendirmeye Etkisinin Deneysel Araştırılması, 2019 - 2021

Karaağaç I., Uluer O., Project Supported by Higher Education Institutions, EXPERIMENTAL INVESTIGATION OF SPRINGBACK IN WARM BENDING METHOD, 2015 - 2018

Karaağaç I., Project Supported by Higher Education Institutions, Experimental Investigation of Springback in V-Bending Process with Hydroforming, 2013 - 2015

Karaağaç I., Project Supported by Higher Education Institutions, Numerical analysis and experimental verification of the swelling phenomenon experienced during the production of plastic profiles by extrusion method, 2010 - 2014

Gürün H., Karaağaç I., Project Supported by Higher Education Institutions, Experimental Comparison of Conventional and Hydroforming Processes, 2010 - 2013

Karaağaç I., Project Supported by Higher Education Institutions, Experimental Investigation of Sheet Metal Forming (Hydroforming) Process Parameters – Electro-Mechanical Design and Application of Hydroforming Unit, 2009 - 2011

Gültaş A., Karaağaç I., Uluer O., Gürün H., Project Supported by Higher Education Institutions, Experimental Investigation of Hydroforming of Copper Sheet Metal Cone Part with High Liquid Pressure, 2007 - 2009

Patent

Karaağaç I., Uluer O., Flow Adjustment Regulator, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR 2016 17903 B , Standard Registration, 2018

Activities in Scientific Journals

International Journal of 3D Printing Technologies and Digital Industry, Editor, 2022 - Continues

Metrics

Publication: 71

Citation (WoS): 118

Citation (Scopus): 114

H-Index (WoS): 8

H-Index (Scopus): 8

Awards

Karaağaç I., II. Business Idea Competition 1st Prize, Gazi Üniversitesi Teknoloji Transfer Ofisi, November 2014

Uluer O., Karaağaç I., Durmuş G., II. Science Days Project Market Competition 3rd prize, Gazi Üniversitesi Teknoloji Transfer Ofisi, May 2014

Non Academic Experience

TUBITAK, DEFENSE INDUSTRIES RESEARCH AND DEVELOPMENT INSTITUTE, Mechanical Design

Company, Makim Machinery Technologies Industry. Co., Engineering