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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-1573-2018

Yoksis Researcher ID: 3081

Education Information

Doctorate, The University of Birmingham, School Of Manufacturing And Mechanical Engineering, Mechanical Engineering, United Kingdom 1988 - 1992

Postgraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği, Turkey 1982 - 1984

Undergraduate, Middle East Technical University, Gaziantep Mühendislik Fakültesi, Makine Mühendisliği, Turkey 1977 - 1982

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Systematic Investigation on the Use of Simple Tooling on CNC EDM Machines, The University of Birmingham, Scholl Of Manufacturing And Mechanical Engineering, Mechanical Engineering, 1992

Postgraduate, Petro-Kimya Tesislerinde Korozyon ve Önlenmesi, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği, 1984

Research Areas

Mechanical Engineering, Computer Aided Design and Manufacturing, Non-traditional manufacturing methods, Welding Methods, Material, Plastic Forming Methods, Machining Methods, Engineering and Technology

Academic Titles / Tasks

Professor, Cukurova University, Mühendislik Fakültesi, Makina Müh., 2003 - Continues

Associate Professor, Cukurova University, Mühendislik Fakültesi, Makina Müh., 1997 - 2003

Assistant Professor, Cukurova University, Mühendislik Fakültesi, Makina Müh., 1993 - 1997

Academic and Administrative Experience

- Cukurova University, Mühendislik Mimarlık, Makine, 2013 - Continues
Cukurova University, Mühendislik Mimarlık, Makine Mühendisliği, 1993 - 2013
Cukurova University, Mühendislik Mimarlık, Makine Mühendisliği, 2003 - 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A practical approach to predict the flexural properties of woven plain carbon fiber/epoxy laminates**
Çetin A., Uzay Ç., Geren N., Bayramoğlu M., Tütüncü N.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.30, no.9, pp.1801-1811, 2023 (SCI-Expanded)
- II. **Predicting the tensile stiffness and strength properties of plain woven carbon fiber/epoxy laminates: a practical analytical approach and experimental validations**
Uzay Ç., Çetin A., Geren N., Bayramoğlu M., Tütüncü N.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, no. , pp.1-16, 2023 (SCI-Expanded)
- III. **Combined impacts of thickness and bending angle on springback of 1000DP steel sheets**
KARALAR M., BAYRAMOĞLU M.
IRONMAKING & STEELMAKING, vol.49, no.7, pp.693-698, 2022 (SCI-Expanded)
- IV. **A proposal to improve the competence of students within the unnecessarily complex mechanical engineering design environment**
GEREN N., UZAY Ç., BAYRAMOĞLU M.
INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION, vol.31, no.4, pp.741-770, 2021 (SCI-Expanded)
- V. **The effect of boron carbide additive on the low-velocity impact properties of low-density foam core composite sandwich structures**
GEREN N., ACER D. C., Uzay C., BAYRAMOĞLU M.
POLYMER COMPOSITES, vol.42, no.4, pp.2037-2049, 2021 (SCI-Expanded)
- VI. **Characterization of boronized AISI 1050 steel and optimization of process parameters**
BOZTEPE M. H., BAYRAMOĞLU M., UZAY Ç., Dagsuyu C., KOKANGÜL A., GEREN N.
MATERIALS TESTING, vol.61, no.6, pp.549-553, 2019 (SCI-Expanded)
- VII. **Bending behavior of sandwich structures with different fiber facing types and extremely low-density foam cores**
Uzay Ç., Geren N., Bortepe M. H., Bayramoğlu M.
MATERIALS TESTING, vol.61, pp.220-230, 2019 (SCI-Expanded)
- VIII. **Mechanical engineering and issues on teaching mechanical engineering design in Turkey**
GEREN N., UZAY Ç., BAYRAMOĞLU M.
INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION, vol.28, no.3, pp.843-866, 2018 (SCI-Expanded)
- IX. **Introducing gear ratings and AGMA conversion factors for the steel spur gear design under bending fatigue**
GEREN N., UZAY Ç., BAYRAMOĞLU M.
MATERIALS TESTING, vol.59, pp.1043-1053, 2017 (SCI-Expanded)
- X. **Parametric design of automotive ball joint based on variable design methodology using knowledge and feature-based computer assisted 3D modelling**
GEREN N., AKCALI O. O., BAYRAMOĞLU M.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.66, pp.87-103, 2017 (SCI-Expanded)
- XI. **Effect of post-curing heat treatment on mechanical properties of fiber reinforced polymer (FRP) composites**
Uzay Ç., Boztepe M. H., Bayramoğlu M., Geren N.
MATERIALS TESTING, vol.59, pp.366-372, 2017 (SCI-Expanded)
- XII. **Effect of post-curing heat treatment on mechanical properties of fiber reinforced polymer (FRP) composites**

- UZAY Ç., BOZTEPE M. H., BAYRAMOĞLU M., GEREN N.
MATERIALS TESTING-MATERIALS AND COMPONENTS TECHNOLOGY AND APPLICATION, vol.59, no.4, pp.366-371, 2017 (SCI-Expanded)
- XIII. EVALUATION OF THE SURFACE ROUGHNESS AND GEOMETRIC ACCURACIES IN A DRILLING PROCESS USING THE TAGUCHI ANALYSIS
Kabaklı E., BAYRAMOĞLU M., GEREN N.
MATERIALI IN TEHNOLOGIJE, vol.48, no.1, pp.91-98, 2014 (SCI-Expanded)
- XIV. Systematic mechanical design approach for a flexible printed circuit board assemblies (PCBA) rework cell: part II - conceptual design of soldering and desoldering system
GEREN N., SARIGUL C., BAYRAMOĞLU M.
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.24, no.3, pp.151-166, 2012 (SCI-Expanded)
- XV. MULTI-OBJECTIVE OPTIMIZATION OF THE CUTTING FORCES IN TURNING OPERATIONS USING THE GREY-BASED TAGUCHI METHOD
KAZANÇOĞLU Y., EŞME U., BAYRAMOĞLU M., GÜVEN O., ÖZGÜN S.
MATERIALI IN TEHNOLOGIJE, vol.45, no.2, pp.105-110, 2011 (SCI-Expanded)
- XVI. Systematic mechanical design approach for a flexible printed circuit board assemblies (PCBA) rework cell: part I - generic mechanical design procedure
GEREN N., SARIGUL C., BAYRAMOĞLU M.
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.23, no.4, pp.244-256, 2011 (SCI-Expanded)
- XVII. Temperature Distribution of Multipass TIG Welded AISI 304 L Stainless Steel
Esme U., Bayramoglu M., Serin H., Guven O., Aydin H., Kazancoglu Y.
MATERIALS TESTING, vol.53, pp.42-47, 2011 (SCI-Expanded)
- XVIII. OPTIMIZATION OF WELD BEAD GEOMETRY IN TIG WELDING PROCESS USING GREY RELATION ANALYSIS AND TAGUCHI METHOD
Esme U., BAYRAMOĞLU M., Kazancoglu Y., Ozgun S.
MATERIALI IN TEHNOLOGIJE, vol.43, no.3, pp.143-149, 2009 (SCI-Expanded)
- XIX. MATHEMATICAL MODELING FOR PREDICTION AND OPTIMIZATION OF TIG WELDING POOL GEOMETRY
Esme U., KOKANGÜL A., BAYRAMOĞLU M., GEREN N.
METALURGIJA, vol.48, no.2, pp.109-112, 2009 (SCI-Expanded)
- XX. Cost and performance evaluation of different surface treated dies for hot forging process
BAYRAMOĞLU M., POLAT H. H., GEREN N.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.205, pp.394-403, 2008 (SCI-Expanded)
- XXI. Statistical optimization of process parameters to obtain maximum thickness and brightness in chromium plating
BAYRAMOĞLU M., ONAT B., GEREN N.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.203, pp.277-286, 2008 (SCI-Expanded)
- XXII. Improvement of a low-cost water jet machining intensifier using reverse engineering and redesign methodology
GEREN N., Bayramoglu M., ESME U.
JOURNAL OF ENGINEERING DESIGN, vol.18, no.1, pp.13-37, 2007 (SCI-Expanded)
- XXIII. Design of a flexible assembly and remanufacturing cell for advanced SM components: selection of cell design concept based on reflow tools
GEREN N., CAKIRCA M., Bayramoglu M.
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.18, no.1, pp.29-43, 2006 (SCI-Expanded)
- XXIV. Simplified design and manufacturing of high pressure components for a low-cost water jet intensifier using redesign methodology
GEREN N., Bayramoglu M., TUNC T.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.21, no.6, pp.505-525, 2004 (SCI-Expanded)
- XXV. Improvements on surface quality of EDMED surfaces

- Bayramoglu M., DUFFILL A.
 SURFACE ENGINEERING, vol.19, no.1, pp.70-74, 2003 (SCI-Expanded)
- XXVI. Effects of welding parameters on the quality of resistance spot welded SAE 1010 steel sheet
 Bayramoglu M., ESME U., GEREN N.
 INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.19, no.5, pp.362-373, 2003 (SCI-Expanded)
- XXVII. A systematic investigation on the use of force ratios in tool condition monitoring for turning operations
 Bayramoglu M., DUNGEL U.
 TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.20, no.2, pp.92-97, 1998 (SCI-Expanded)
- XXVIII. MANUFACTURING LINEAR AND CIRCULAR CONTOURS USING CNC EDM AND FRAME TYPE TOOLS
 BAYRAMOGLU M., DUFFILL A.
 INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE, vol.35, no.8, pp.1125-1136, 1995 (SCI-Expanded)
- XXIX. SYSTEMATIC INVESTIGATION ON THE USE OF CYLINDRICAL TOOLS FOR THE PRODUCTION OF 3D COMPLEX SHAPES ON CNC EDM MACHINES
 BAYRAMOGLU M., DUFFILL A.
 INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE, vol.34, no.3, pp.327-339, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. Volume fraction of retained austenite in 1.2842 tool steel as a function of tempering temperature
 Günerli E., BAYRAMOĞLU M., GEREN N.
 European Mechanical Science, vol.6, 2022 (Peer-Reviewed Journal)
- II. Hybrid Taguchi Based Grey Algorithm for Multi Objective Optimization of Gas Metal Arc Welded DP1000 Steel
 Karataş M., BAYRAMOĞLU M., EŞME U., GEREN N.
 European Mechanical Science, vol.5, no.4, pp.206-213, 2021 (Peer-Reviewed Journal)
- III. Alternatif FML Kompozitler için Titanyum ve Elyaf/Epoksi Ara Yüzey Dayanımının İncelenmesi
 BOZTEPE M. H., BAYRAMOĞLU M., UZAY Ç., GEREN N.
 Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.3, pp.813-820, 2020 (Peer-Reviewed Journal)
- IV. Improving the Adhesion Bonding Strength for FML Composites by Using a Extremely Thin Mesh Steels
 BOZTEPE M. H., BAYRAMOĞLU M., UZAY Ç., GEREN N.
 European Mechanical Science, vol.1, no.4, pp.111-116, 2017 (Peer-Reviewed Journal)
- V. Sandviç Malzeme Geliştirmede Polimer Köpük Çekirdek Kalınlığının Eğilme Dayanımına Etkisinin Deneysel olarak Araştırılması
 GEREN N., UZAY Ç., BOZTEPE M. H., BAYRAMOĞLU M.
 ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, vol.32, no.2, pp.13-22, 2017 (Peer-Reviewed Journal)
- VI. 3000 bar Çalışma Basıncılı Çift Etkili Basınç Yükseltici Tasarımı ve İmalatı
 GEREN N., BAYRAMOĞLU M., Ayseven A., SARIGEÇİLİ M. İ.
 Ç. Ü. Müh. Mimarlık Fakültesi Dergisi, pp.49-53, 2003 (Peer-Reviewed Journal)
- VII. Development of A Computer Program For the Optimization of Cutting Parameters in Turning Operations
 BAYRAMOĞLU M., Özbaran O.
 A.M.S.E. Advances in Modelling & Analysis, vol.56, no.4, 2001 (Peer-Reviewed Journal)
- VIII. Dalma elektro erozyon tezgahları ve nümerik kontrol

BAYRAMOĞLU M.

Metal Makina, vol.45, pp.157-160, 1995 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. THE EFFECT OF USING STEEL MESH ON THE INTERLAMINAR FRACTURE TOUGHNESS OF FML COMPOSITES

Akeloğlu M. A., Bayramoğlu M.

The 3rd International Conference of Materials and Engineering Technology (TICMET'21), Gaziantep, Turkey, 5 - 06 November 2021, pp.109-116

II. Bending Behavior of Sandwich Structures Having Low Density PVC Foam Cores and $\pm 45^\circ$ Carbon/Epoxy Facings

UZAY Ç., GEREN N., BOZTEPE M. H., BAYRAMOĞLU M.

International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, vol.1, pp.165-172

III. Bending Behavior of Sandwich Structures Having Low Density PVC Foam Cores and $\pm 45^\circ$ Carbon/Epoxy Facings

Uzay Ç., Geren N., Boztepe M. H., Bayramoğlu M.

International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017

IV. Improving the Adhesion Bonding Strength for FML Composites by Using Extremely Thin Mesh Steel

Boztepe M. H., Bayramoğlu M., Uzay Ç., Geren N.

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017

V. INVESTIGATION OF THE ADHESION BONDING CAPABILITY BETWEEN DIFFERENT METALS AND FRP COMPOSITE LAYERS

BOZTEPE M. H., BAYRAMOĞLU M., UZAY Ç., GEREN N.

ISTANBUL INTERNATIONAL CONFERENCE ON PROGRES IN APPLIED SCIENCE 2017 – ICPAS 2017, 4 - 06 January 2017

VI. Manufacturing of Light Weight Sandwich Structure by Using Polymer Foam Core

UZAY Ç., GEREN N., BOZTEPE M. H., BAYRAMOĞLU M.

Istanbul International Conference On Progres in Applied Science 2017 – ICPAS 2017, İstanbul, Turkey, 4 - 06 January 2017, vol.1, pp.1-6

VII. MANUFACTURING OF LIGHT WEIGHT SANDWICH STRUCTURES BY USING POLYMER FOAM CORE

UZAY Ç., GEREN N., BOZTEPE M. H., BAYRAMOĞLU M.

ISTANBUL INTERNATIONAL CONFERENCE ON PROGRES IN APPLIED SCIENCE 2017 – ICPAS 2017, 4 - 06 January 2017

VIII. MANUFACTURING OF LIGHT WEIGTH SANDWICH STRUCTURES BY USINGPOLYMER FOAM CORE

Uzay Ç., Geren N., Boztepe M. H., Bayramoğlu M.

ISTANBUL INTERNATIONAL CONFERENCE ON PROGRES IN APPLIED SCIENCE 2017 ? ICPAS 2017, İstanbul, Turkey, 4 - 06 January 2017, vol.1, no.1, pp.1-6

IX. THE EFFECT OF PROCESS PARAMETERS ON THE ABRASIVE WEAR RESISTANCE OF BORONIZED AISI 1050 STEEL

BOZTEPE M. H., BAYRAMOĞLU M.

ASME International Mechanical Engineering Congress and Exposition (IMECE2016), Arizona, United States Of America, 11 - 17 November 2016

X. INVESTIGATION OF TENSILE BEHAVIOR OF WOVEN CARBON GLASS AND HYBRID FIBER COMPOSITES

BOZTEPE M. H., UZAY Ç., BAYRAMOĞLU M.

International Journal of Arts & Sciences (IJAS), 11 - 14 April 2016, vol.9, pp.191-196

XI. The Effect Of Processes Parameter On The Abrasive Wear Resistance Of Boronized AISI 1050 Steel

BOZTEPE M. H., BAYRAMOĞLU M.

XII. Adhesion Surface Bonding Capability of Different Metal Sheets for Fiber Metal Laminate (FML) Applications

BAYRAMOĞLU M., GEREN N., BOZTEPE M. H., UZAY Ç.

International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.3877-3883

XIII. Adhesion Surface Bonding Capability of Different Metal Sheets for Fiber Metal Laminate FML Applications

Uzay Ç., Boztepe M. H., Bayramoğlu M., Geren N.

1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016

XIV. Optimization of process parameter of boronized AISI 10150 steel using the Taguchi analysis

BOZTEPE M. H., BAYRAMOĞLU M.

17th International Conferenceon Machine Design and Production, 12 - 15 July 2016, pp.2015-217

XV. Galetaj İşleminin Taguchi Tabanlı Gri İlişki Çözümlemesi ile Optimizasyonu

EŞME U., BAYRAMOĞLU M., AYDIN H.

2. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 30 April - 01 May 2009, pp.205-216

XVI. TIG Kaynağında Kaynak Dayanımının Taguchi Metoduyla Optimizasyonu

Eşme U., BAYRAMOĞLU M., GEREN N., SERİN H.

TİMAK-Tasarım İmalat Analizi Kongresi, Balıkesir, Turkey, 26 - 28 April 2006, pp.335-343

XVII. TIG KAYNAGINDA KAYNAK DAYANIMININ TAGUCH METODUYLA OPTMZASYONU

EŞME U., BAYRAMOĞLU M., GEREN N., SERİN H.

TMAK-Tasarım malat Analiz Kongresi, Turkey, 26 - 28 April 2006, pp.335-343

XVIII. Direnç Nokta Kaynağında Kaynak Parametrelerinin Taguchi Metoduyla Analizi

Eşme U., BAYRAMOĞLU M., GEREN N., SERİN H.

11th International Materials Symposium, Denizli, Turkey, 19 - 21 April 2006, pp.24-28

XIX. TIG Kaynağındaki Elektrot Uç Geometrisinin Kaynak Havuz Şekline Etkileri

Eşme U., BAYRAMOĞLU M., GEREN N., SERİN H.

Kaynak Teknolojisi V. Ulusal Kongresi1, Kocaeli, Turkey, 11 - 12 November 2005, pp.1-7

XX. Tibbi Alet İmalatında Paslanmaz Çelik Kullanımı

EŞME U., BAYRAMOĞLU M., GEREN N.

I. Ulusal Tibbi Cihazlar İmalatı Sanayi Kongre ve Sergisi, TMMOB Makina Mühendisleri Odası, Samsun, Turkey, 30 September - 02 October 2005, vol.1

XXI. Direnç Nokta Kaynağında Elektrot Baskı Kuvveti ve Uç Geometrisinin Temas Direncine Etkileri

EŞME U., BAYRAMOĞLU M., GEREN N.

TMMOB Makina Mühendisleri Odası Konya Şubesi, III. Makina Tasarım ve İmalat Teknolojileri Kongresi, Konya, Turkey, 16 - 17 September 2005, vol.1, pp.311-319

XXII. Integration of Computer Aided Design and Computer Aided Manufacturing

BAYRAMOĞLU M., BİRCAN D. A.

2nd International Conference on Responsive Manufacturing, Gaziantep, Turkey, 26 - 28 June 2002, pp.187-198

XXIII. The Use of Genetic Algorithm in Computer Aided Process Planning of Rotational Parts

BAYRAMOĞLU M., BİRCAN D. A.

II. Makine Malzemesi ve İmalat Teknolojisi Sempozyumu, Manisa, Turkey, 7 - 09 November 2001, pp.723-731

XXIV. Integration and Automation of a Water Jet Cutting System

Geren N., Bayramoğlu M., Şahin B., Baysal M., Tunç T.

8. International Conference on Manufacturing and Design, Ankara, Turkey, 9 - 11 September 1998, pp.619-628

XXV. Jet Cutting System and its Problems

Geren N., Şahin B., Bayramoğlu M., Kirbaş S.

8. International Conference on Manufacturing and Design, Ankara, Turkey, 1 - 03 January 1998, pp.619-628

XXVI. Why Computerized Numerical Control (CNC) Electro Discharge Machine (EDM)

Duffill A. W., BAYRAMOĞLU M.

- Advances in Manufacturing Technology IX, Leicester, United Kingdom, 12 - 14 September 1995, pp.7-11
- XXVII. **Production of 3 dimensional shapes using computational electro discharge machinin (EDM)**
BAYRAMOĞLU M., Duffill A. W.
Proceedings of the twenty-ninth international Matador conference, Londrina, Brazil, 6 - 07 April 1992, pp.107-114

Supported Projects

GEREN N., UZAY Ç., BOZTEPE M. H., BAYRAMOĞLU M., ACER D. C., Project Supported by Higher Education Institutions, Sandviç Panellerin Sonlu Elemanlar Yöntemi ile Modellenmesi Analiz Edilmesi ve Sonuçların Deneysel Verilerle Karşılaştırılması, 2017 - 2018

GEREN N., BOZTEPE M. H., UZAY Ç., BAYRAMOĞLU M., Project Supported by Higher Education Institutions, Elektrikli araç şasileri için hafif sandviç panel geliştirilmesi, 2016 - 2016

Metrics

Publication: 66
Citation (WoS): 178
Citation (Scopus): 291
H-Index (WoS): 7
H-Index (Scopus): 9

Non Academic Experience

Çukurova Üniversitesi