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Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2003 - 2010

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 2002 - 2003

Under Graduate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1994 - 1999

Dissertations

Doctorate, Delikli döner elektrot kullanarak elektrokimyasal delme yönteminin geliştirilmesi ve deneysel incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2010

Post Graduate, Elektro erozyon ile işlemede toz karışımı dielektrik sıvının işleme performansına etkisinin deneysel incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 2003

Research Areas

Mechanical Engineering

Academic Titles / Tasks

Lecturer, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2016 - Continues

Lecturer PhD, Gazi University, Atatürk Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2010 - 2016

Lecturer, Gazi University, Atatürk Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2005 - 2010

Professional Experience

Assistant Director of Vocational School, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2020 - Continues

Yüksekokul Yönetim Kurulu Üyesi, Gazi University, Teknik Bilimler Meslek Yüksekokulu, 2016 - Continues

Head of Department, Gazi University, Atatürk Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2010 - 2015

Head of Department, Gazi University, Teknik Bilimler Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2007 - 2010

Courses

PROJE TASARIMI, Associate Degree, 2016 - 2017, 2017 - 2018
TERMODİNAMİK, Associate Degree, 2017 - 2018
CİSİMLERİN DAYANIMI, Associate Degree, 2016 - 2017, 2017 - 2018
İŞ YERİ EĞİTİMİ-I, Associate Degree, 2016 - 2017, 2017 - 2018
ÖLÇME VE KONTROL TEKNOLOJİSİ, Associate Degree, 2016 - 2017, 2017 - 2018
MAKİNE ELEMANLARI, Associate Degree, 2016 - 2017, 2017 - 2018
TEMEL İMALAT İŞLEMLERİ, Associate Degree, 2017 - 2018
BİLGİSAYAR DESTEKLİ ÜRETİM-I, Associate Degree, 2016 - 2017, 2017 - 2018
MUKAVEMET, Associate Degree, 2016 - 2017, 2017 - 2018
ALIŞILMAMIŞ ÜRETİM YÖNTEMLERİ, Associate Degree, 2016 - 2017, 2017 - 2018
BİLGİSAYAR DESTEKLİ ÇİZİM 2, Associate Degree, 2017 - 2018
İMALAT İŞLEMLERİ-I, Associate Degree, 2017 - 2018
İŞ YERİ EĞİTİMİ-III, Associate Degree, 2016 - 2017, 2017 - 2018
İŞ KALIPLARI, Associate Degree, 2017 - 2018
YÜZEY BİTİRME İŞLEMLERİ VE KAPLAMA TEKNİKLERİ, Associate Degree, 2016 - 2017, 2017 - 2018
İMALAT İŞLEMLERİ 1, Associate Degree, 2017 - 2018
BİLGİSAYAR DESTEKLİ TAKIM TEZGAHLARI, Associate Degree, 2016 - 2017, 2017 - 2018
MALZEME TEKNOLOJİSİ-II, Associate Degree, 2017 - 2018
TEMEL ŞEKİLLENDİRME İŞLEMLERİ, Associate Degree, 2017 - 2018
İŞ YERİ EĞİTİMİ-II, Associate Degree, 2016 - 2017, 2017 - 2018
İMALAT İŞLEMLERİ 2, Associate Degree, 2017 - 2018
CNC FREZE TEKNOLOJİSİ, Associate Degree, 2017 - 2018
ALIŞILMAMIŞ İMALAT YÖNTEMLERİ, Associate Degree, 2016 - 2017, 2017 - 2018
TEKNİK RESİM, Associate Degree, 2016 - 2017
CNC TORNA TEKNOLOJİSİ, Associate Degree, 2016 - 2017
İMALAT İŞLEMLERİ-1, Associate Degree, 2016 - 2017
BİLGİSAYAR PROGRAMLAMA, Associate Degree, 2016 - 2017
MALZEME TEKNOLOJİSİ 2, Associate Degree, 2016 - 2017
İMALAT İŞLEMLERİ-II, Associate Degree, 2016 - 2017

Advising Theses

ÖZERKAN H. B. , Paslanmaz çeliğinin elektro erozyon ile işlenmesinde işlem parametrelerinin optimizasyonu, Post Graduate, O.ARAT(Student), 2019
ÖZERKAN H. B. , Plastik kalıp çeliğinin (Nimax) işlenebilirliğinin incelenmesi, Post Graduate, Z.BOSTANCI(Student), 2018

Jury Memberships

Post Graduate, Post Graduate, Kırşehir Ahi Evran Üniversitesi, January, 2021

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Electrochemical Small Diameter Deep Hole Drilling of Powder Metal Steel**
Özerkan H. B. , Çoğun C.
Transactions Of Famena, vol.44, no.4, pp.1-2, 2020 (Journal Indexed in SCI Expanded)
- II. **Experimental fatigue life determination of thermo-diffusion surface boronized of AISI 1040 steel**
ÖZERKAN H. B.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.33, no.10, pp.4957-4962, 2019 (Journal Indexed in

SCI)

- III. **Simultaneous machining and surface alloying of AISI 1040 steel by electrical discharge machining with boron oxide powders**
ÖZERKAN H. B.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.32, no.9, pp.4357-4364, 2018 (Journal Indexed in SCI)
- IV. **The effect of powder mixed and heated dielectric on drilling performance of electric discharge machining (EDM)**
Erdem O., ÇOĞUN C., Urtekin L., ÖZERKAN H. B. , USLAN İ.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.3, pp.531-544, 2016 (Journal Indexed in SCI)
- V. **DEVELOPMENT AND EXPERIMENTAL INVESTIGATION OF ELECTROCHEMICAL DRILLING METHOD USING ROTARY TUBE TOOL**
ÖZERKAN H. B. , ÇOĞUN C.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.4, pp.885-895, 2013 (Journal Indexed in SCI)
- VI. **An experimental investigation on the effect of powder mixed dielectric on machining performance in electric discharge machining**
Cogun C., Oezerkan B., Karacay T.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.220, no.7, pp.1035-1050, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Farklı termofiziksel özelliklere sahip metallerin tel elektro erozyon ile işlenmesinde performans parametrelerinin optimizasyonu**
ÖZERKAN H. B.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.1, pp.139-151, 2019 (Other Refereed National Journals)
- II. **Theoretical determination of the fatigue strength limit of electrical discharge machined (EDM) AISI 8740 steel**
ÖZERKAN H. B.
IOP Conference Series: Materials Science and Engineering, vol.393, no.12103, pp.1-8, 2018 (Refereed Journals of Other Institutions)
- III. **Tornalamada Oluşan Yüzey Pürüzlülüğünün Yorulma Ömrüne Etkisinin Teorik Değerlendirilmesi**
ÖZERKAN H. B.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.33, no.2, pp.189-198, 2018 (Other Refereed National Journals)
- IV. **AN EXPERIMENTAL STUDY OF THE EFFECT OF ABRASIVE WATER JET AND LASER BEAM ON THE SURFACE INTEGRITY**
KAYA D., KÜÇÜKTÜRK G., ÖZERKAN H. B.
Machine Design, vol.8, no.4, pp.155-158, 2016 (Refereed Journals of Other Institutions)
- V. **EFFECTS OF CUTTING PARAMETERS ON THE CUTTING FORCE AND TORQUE IN DRILLING OF AISI D2 STEEL**
TEKAÜT İ., DEMİR H., ÖZERKAN H. B. , ŞEKER U.
Machine Design, vol.9, no.1, pp.35-38, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **PLAZMA PÜSKÜRTME TEKNİĞİ İLE KAPLANAN AA5054 ALÜMİNYUM ALAŞIMININ MEKANİK ÖZELLİKLERİNİN BELİRLENMESİ**
ÖZERKAN H. B.
INTERNATIONAL ANKARA CONFERENCE ON SCIENTIFIC RESEARCHES, Ankara, Turkey, 4 - 06 October 2019, pp.390-391
- II. **AISI 430 Paslanmaz Çeliğinin Elektro Erozyon Yöntemi ile İşlenebilirliğinin Deneysel Olarak İncelenmesi**
ARAT O., ÇAKIROĞLU R., ÖZERKAN H. B. , GÜNAY M.
Uluslararası Fen, Mühendislik ve Mimarlık Bilimlerinde Akademik Çalışmalar Sempozyumu, Ankara, Turkey, 13 - 15 June 2019, pp.540-547
- III. **Theoretical investigation of the effect of surface roughness on the fatigue life of austenitic stainless steels**
ÖZERKAN H. B.
International Conference on Modern Trends in Manufacturing Technologies and Equipment (ICMTMTE) - Materials Science, Sevastopol, Ukraine, 10 - 14 September 2018, vol.11, pp.417-422
- IV. **Elektro Erozyon İle Tornalamada İşleme Parametrelerinin Yüzey Pürüzlülüğüne Etkisinin Araştırılması**
ÇAKIROĞLU R., ÖZERKAN H. B. , GÜNAY M.
V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), Ankara, Turkey, 16 - 17 November 2018, vol.2, pp.345-351
- V. **Effect of electrode polarity on fatigue life in EDM**
ÖZERKAN H. B.
International Conference on Modern Trends in Manufacturing Technologies and Equipment (ICMTMTE) - Materials Science, Sevastopol, Ukraine, 10 - 14 September 2018, vol.224
- VI. **Effect of changing polarity of graphite tool/Hadfield steel workpiece couple on machining performances in die sinking EDM**
ÖZERKAN H. B.
International Conference on Modern Trends in Manufacturing Technologies and Equipment (ICMTMTE), Sevastopol, Ukraine, 11 - 15 September 2017, vol.129
- VII. **MACHINABILITY OF MICRO DEEP HOLE FOR Ti6Al4V ELI AND AISI 316L STAINLESS STEEL USING EDM**
BAVIL A. K. , KÜÇÜKTÜRK G., ÖZERKAN H. B.
7th INTERNATIONAL SYMPOSIUM ON MACHINING, 3 - 05 November 2016, pp.460-471
- VIII. **An Experimental Study Of The EffectOf Abrasive Water Jet And Laser Beam On The Surface Integrity**
KÜÇÜKTÜRK G., ÖZERKAN H. B. , KAYA D.
he9th International Symposium Kod 2016 Machine And Industrial Design InMechanical Engineering, 9 - 12 July 2016, pp.217-220
- IX. **Effect of Cutting Parameters on the Cutting Force and torque in drilling of AISI D2 steel**
TEKAÜT İ., DEMİR H., ÖZERKAN H. B. , ŞEKER U.
KOD 2016, Balatonfüred, Hungary, 9 - 12 June 2016, pp.211-216
- X. **TOZ KATKILI DİELEKTRİKLE ELEKTRO EROZYON İŞLEME PERFORMANSI**
Oğuz e., ÇOĞUN C., URTEKİN L., ÖZERKAN H. B. , USLAN İ.
7. Uluslararası Toz Metalurjisi Konferansı, Ankara, Turkey, 24 - 28 July 2014, pp.1035
- XI. **Elektro Erozyon İle İşlemede Döner Elektrot İle Delik Delmede Dielektrik Sıvısına Karıştırılan Tozların Ve Isıtmanın İşleme Performansına Etkisi**
ERDEM O., ÇOĞUN C., USLAN İ., URTEKİN L., ÖZERKAN H. B.
Makine İmalat Teknolojileri Kongresi, Turkey, 6 - 07 December 2013, vol.2, pp.212-221

Arabian Journal For Science And Engineering, Journal Indexed in SCI-E, February 2021
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, December 2020
Arabian Journal For Science And Engineering, Journal Indexed in SCI-E, December 2020
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,
Journal Indexed in SCI-E, November 2020
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PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,
Journal Indexed in SCI-E, October 2020
Arabian Journal For Science And Engineering, Journal Indexed in SCI-E, October 2020
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, September 2020
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, August 2020
WEAR, Journal Indexed in SCI-E, June 2020
Proceedings Of The Institution Of Mechanical Engineers Part B-Journal Of Engineering Manufacture, Journal Indexed in
SCI-E, March 2020
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,
Journal Indexed in SCI-E, January 2020
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,
Journal Indexed in SCI-E, December 2019
Proceedings Of The Institution Of Mechanical Engineers Part B-Journal Of Engineering Manufacture, Journal Indexed in
SCI-E, November 2019
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,
Journal Indexed in SCI-E, October 2019
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,
Journal Indexed in SCI-E, October 2019
Proceedings Of The Institution Of Mechanical Engineers Part B-Journal Of Engineering Manufacture, Journal Indexed in
SCI-E, September 2019
Proceedings Of The Institution Of Mechanical Engineers Part B-Journal Of Engineering Manufacture, Journal Indexed in
SCI-E, June 2019
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, June 2019
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, April 2019
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, March 2019
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, January 2019
Proceedings Of The Institution Of Mechanical Engineers Part B-Journal Of Engineering Manufacture, Journal Indexed in
SCI-E, January 2019
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, January 2019
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, December 2018
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, November 2018
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, November 2018
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, July 2018
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, July 2017
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, April 2017
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, November 2016
MACHINING SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, April 2016

Citations

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