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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 1991 - 1999

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 1985 - 1989

Undergraduate, Gazi University, Mühendislik Mimarlık Fakültesi, Makina Mühendisliği Ana Bilim Dalı, Turkey 1979 - 1983

Foreign Languages

English, C1 Advanced

French, A1 Beginner

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Increased body fluid repellency and electrochemical corrosion resistance of intravascular stent materials by ICP-CVD-based DLC thin-film deposition**
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- II. **Analysing the effects of metallic biomaterial design and imaging sequences on MRI interpretation challenges due to image artefacts**
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- III. **Computer-Aided Analysis of the Corrosion Inhibition by Carbon-Based Thin-Film Coating on Vascular Bare Metal Stent Models**
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- IV. **Influences of Stent Design on In-Stent Restenosis and Major Cardiac Outcomes: A Scoping Review and Meta-Analysis**
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- V. **Can intracoronally bleached teeth be bonded safely?**
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- VI. **Bond Strength of Amorphous Calcium Phosphate-Containing Orthodontic Composite Used as a Lingual Retainer Adhesive**
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- VII. **Resistance to fracture of roots filled with three different techniques**
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- VIII. **Kırık ve Kemik Defektlerinin Perkütan Kemik iliği ile Greftlenmesi: Tavşanlarla Deneysel Çalışma**
ŞAHİN V., Karakaş E. S., Kandemir O., AKDOĞAN G.
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- I. **Blood-repellent and anti-corrosive surface by spin-coated SWCNT layer on intravascular stent materials**
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- II. **RF-induced heating effects of metallic biomaterial designs at 1.5T MRI exposure**
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- III. **A Simulation Study of Galvanic Corrosion Potential on the Surface of Implantable Biometallic Couples**
İSTANBULLU Ö. B., AKDOĞAN G.
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- IV. **Effects of Material Selection and Design on Restenosis and Other Stent Based Problems in Intravascular Stents, The Situation of Stents in the Economy (A Review)**
Akdoğan G., İstanbullu Ö. B.
Avrupa Bilim ve Teknoloji Dergisi, no.18, pp.204-215, 2020 (Peer-Reviewed Journal)
- V. **Biotribology of Cartilage Wear in Knee and Hip Joints Review of Recent Developments**
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- VI. **Effect of 16% carbamide peroxide bleaching agent on the shear bond strength of orthodontic brackets.**
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- VII. **Üç farklı Rezin Esaslı Simanla Dentine Simante Edilen Vita Celay Alumina Seramik Disklerin Makaslama Bağlanma Dirençleri**
ZORTUK M., KILIÇ K., Bolpaça P., AKDOĞAN G.
Selçuk Üniversitesi Diş Hekimliği Fakültesi, vol.17, no.2, pp.93-97, 2008 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **In Orthotic Soles to be Used to Eliminate Leg Length Differences Overview of the Use of Polymeric Materials**

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MSNG 2023, Kayseri, Turkey, 7 - 09 September 2023, pp.102

- II. **Recent developments in stent production and stent applications in powder metallurgy**
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- III. **THE COMPARISON OF THE CANCER RISK AFTER USING THE METAL-ON-METAL HIP PROSTHESIS AND ITS ALTERNATIVES**
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5. Uluslararası İstanbul Modern Bilimsel Araştırmalar Kongresi , İstanbul, Turkey, 9 - 11 July 2023, pp.262
- IV. **Investigation of Free and Electrochemical Corrosion Behaviour of Copper Intrauterine Devices in Simulated Uterine Fluid**
Akdoğan G., Parlak M.
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- V. **Damar İçi Stentlerde Malzeme Seçiminin ve Tasarımının Restenoz ve Diğer Stent Kaynaklı Problemlere Etkileri, Stentlerin Ekonomideki Yeri (Bir Genel Derleme)**
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- VI. **YAPAY KALP KAPAKÇIKLARINDAKİ MEVCUT DURUM VE GELECEKTEKİ BEKLENTİLER**
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- VII. **The Latest Generation of Vascular Stent Designs and Past/Future Technological Trends, ISBN: 978-605-68882-2-9**
AKDOĞAN G., İSTANBULLU Ö. B.
II. International Congress on New Trends in Science, Engineering and Technology, Roma, Italy, 4 - 06 September 2018, pp.8-10
- VIII. **Early Degradation Problem of Biodegradable Stents ISBN: 978-605-67206-3-5**
AKDOĞAN G., İSTANBULLU Ö. B.
2nd International Congress on Advances in Bioscience and Biotechnology (ICABB), 26 - 30 June 2018, no.550, pp.29-30
- IX. **Recent Trends in Sterilization Methods of Biopolymer Biomaterials**
AKDOĞAN G., GÖNCÜ M.
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- X. **Investigation of Penetration Behaviors of Disposable Medical Needles**
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- XI. **Recent Developments in Vascular Stent Technologies**
İSTANBULLU Ö. B., AKDOĞAN G.
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- XII. **Recent Studies in Bioceramic Implants**
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- XIII. **Implant Biocorrosion Problems in Human Body**
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IMSEC 2017, 2nd International Mediterranean Science and Engineering Congress, Adana, Turkey, 25 - 27 October 2017, pp.2223
- XIV. **Biotribology of Cartilage Wear in Knee and Hip Joints- Review of Recent Developments**
AKDOĞAN G., GONCÜ M., PARLAK M.
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- XV. **Computer simulation of the electromagnetic interaction between an implanted conductive medical**

wire and 1.5 T MRI device

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- XVI. **Effects of metallic implants on magnetic resonance images**
İSTANBULLU Ö. B., AKDOĞAN G.
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- XVII. **Assessment of Safety Issues in MRI Monitoring of Patients with Metallic Implant**
AKDOĞAN G., İSTANBULLU Ö. B.
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- XVIII. **Bakırlı Rahim İçi Aracın Simule Rahim Sıvısına Etkileri**
AKDOĞAN G., PARLAK M.
XIV. Uluslararası Korozyon Sempozyumu, Bayburt, Turkey, 5 - 07 October 2016, pp.109
- XIX. **MRG Uyumluluk ve Güvenilirlik Risklerinin Biyomalzemeler için Değerlendirilmesi**
İSTANBULLU Ö. B., AKDOĞAN G.
TIPTEKNO'15 - Tıp Teknolojileri Ulusal Kongresi, Muğla, Turkey, 15 - 18 October 2015, pp.491-494
- XX. **Diz Artroplastisinde Malzemelerden Kaynaklanan Biyouyumluluk Problemleri**
AKDOĞAN G., GÜNEY A.
BİYOMUT 2010, 15. Biyomedikal Mühendisleri Ulusal Toplantısı, Antalya, Turkey, 21 - 24 April 2010, pp.25-30
- XXI. **Problems of biocompatibility from materials in knee arthroplasty**
AKDOĞAN G., GÜNEY A.
2010 15th National Biomedical Engineering Meeting, Antalya, Turkey, 21 - 24 April 2010
- XXII. **Üç Farklı Materyalle Doldurulmuş Endodontik Tedavi Görmüş Köklerin Kırılma Dirençlerinin in Vitro İncelenmesi**
SAĞSEN B., Kahraman Y., AKDOĞAN G.
Ege Üniversitesi Diş Hekimliği Fakültesi Uluslararası Diş Hekimliği Kongresi, İzmir, Turkey, 29 September - 01 October 2005, pp.20-25
- XXIII. **Toz Metalürjisinin Biyomalzemelerin Gelişimindeki Katkısı**
Akdoğan G., Sarıtaş S.
3. Uluslararası Toz Metalurji Konferansı, Ankara, Turkey, 4 - 08 September 2002, pp.25-30
- XXIV. **"Ti-6Al-4V" Alaşımının Biyokorozyon ve Biyouyumluluk Özelliklerinin İyileştirilmesi**
Akdoğan G., Sarıtaş S., Koç T.
BİYOMUT'99, 3. Biyomedikal Mühendisleri Ulusal Toplantısı, Kayseri, Turkey, 27 - 29 October 1999, pp.20-25
- XXV. **Ortopedide Kullanılan Biyomalzemeler ve Özellikleri**
Akdoğan G., Sarıtaş S., Koç T.
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Supported Projects

AKDOĞAN G., İSTANBULLU Ö. B., Project Supported by Higher Education Institutions, Biyomalzeme Yüzey Modifikasyonunun Stent Kaynaklı Damar Yolu Tıkanıklığına Etkisi, 2019 - 2022

AKDOĞAN G., PARLAK M., Project Supported by Higher Education Institutions, BAKIRLI RAHİM İÇİ ARACIN SİMULE RAHİM SIVISINA ETKİLERİ, 2018 - 2021

AKDOĞAN G., İSTANBULLU Ö. B., Project Supported by Higher Education Institutions, Medikal İmplantlarda Kullanılan Malzemelerin Manyetik Rezonans Cihazı Uyumluluğunun ve Güvenilirliğinin Analizi, 2015 - 2017

AKDOĞAN G., EU Framework Program Project, MESOG- Mesleki Eğitim Sosyal Ortaklıkları Geliştirme Projesi, 2005 - 2006

AKDOĞAN G., Project Supported by Other Official Institutions, MYO Program Geliştirme / Makine İhtisas Komisyonu, 2001 - 2002

Metrics

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Citation (WoS): 77

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