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Personal Information

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Biography

Yunus Ziya Arslan received the B.S. degree in 2002, the M.S. degree in 2005, and the Ph.D. degree in 2009 all from the Department of Mechanical Engineering, Faculty of Engineering, Istanbul University, Turkey. He spent six months at the University of Calgary as a Visitor Researcher. He serves currently as an Associate Professor at the Department of Mechanical Engineering, Faculty of Engineering, Istanbul University. His research areas include musculoskeletal biomechanics, dental biomechanics, tissue biomechanics, computational biomechanics, and modeling and control of robotic manipulators.

Education Information

Doctorate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Makine Mühendisliği Abd, Turkey 2005 - 2009

Post Graduate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Makine Mühendisliği Abd, Turkey 2002 - 2005

Under Graduate, İstanbul Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Motor Control Summer School-XI, Bled, Slovenia (Organizer: Dr. Mark Latash), 2014

Health&Medicine, First European Computational Motor Control Summer School, Montpellier, Fransa (Organizer: Dr. Nicolas Schweighofer, Dr. Denis Mottet), 2014

Health&Medicine, SpineFX Workshop: Research Management Skills for the Biomedical Engineer, Leeds Üniversitesi, İngiltere, 2011

Education Management and Planning, Ziyaretçi Araştırmacı, University of Calgary, Faculty of Kinesiology, 2008

Dissertations

Doctorate, Kas iskelet sisteminin mekaniği ve kuvvet optimizasyonu analizi, Istanbul University, Institute of Graduate Studies In Sciences, Makine Mühendisliği Abd, 2009

Post Graduate, İnsanın iki kolunun ortak hareketi esnasında oluşan eklem momentlerinin elektromyografi sinyalleri yardımıyla analizi, Istanbul University, Institute of Graduate Studies In Sciences, Makine Mühendisliği Abd, 2005

Research Areas

Biomedical Engineering, Biomechanics, Mechanical Engineering, Machine Theory and Dynamics, Robotics, Modeling and Simulation of Dynamic Systems, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Istanbul University, Mühendislik Fakültesi, Makine Mühendisliği, 2015 - Continues
Assistant Professor, Istanbul University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2010 - Continues
Research Assistant, İstanbul Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2002 - 2009

Courses

Strength of Materials, Under Graduate, 2016 - 2017
Sporda Uygulamalı Hareket Analizleri, Doctorate, 2016 - 2017
Tissue Biomechanics, Doctorate, 2016 - 2017
Robotiğe Giriş, Under Graduate, 2016 - 2017
Sporda Biyomekanik Analizler, Doctorate, 2016 - 2017
Biomechanics, Post Graduate, 2014 - 2015, 2016 - 2017
Sporda Biyomekanik Analizler, Doctorate, 2015 - 2016
Mukavemet, Under Graduate, 2015 - 2016
Mukavemet, Under Graduate, 2014 - 2015
Biomechanics, Under Graduate, 2014 - 2015
Seminer, Doctorate, 2015 - 2016
Advanced Biomechanics, Post Graduate, 2014 - 2015
Robotiğe Giriş, Under Graduate, 2014 - 2015
Sporda Uygulamalı Hareket Analizi , Doctorate, 2015 - 2016
Biyomekanik, Under Graduate, 2013 - 2014
Metalurji Mühendisleri için Mukavemet, Under Graduate, 2012 - 2013

Advising Theses

ARSLAN Y. Z. , Kronik Venöz Yetmezliği Olan Hastalar için Yeni Bir Kompresyon Çorabı Tasarımı, Post Graduate, S.Karakoç(Student), Continues
ARSLAN Y. Z. , Mandibular Toplam Dişsizlik Tedavisinde Kullanılan Dental İmplantların Farklı Yerleşim Kombinasyonlarının Analizi, Post Graduate, S.Kahya(Student), Continues
ARSLAN Y. Z. , Dinamik Kasılma Esnasındaki Kas Koordinasyonunun Biyomekanik Analizi, Doctorate, N.Korkmaz(Student), Continues
ARSLAN Y. Z. , Fleksör Tendon Yaralanması Olan Hastalarda Ultrasonografi Kullanarak Tendon Kaymasının Ölçülmesi, Post Graduate, B.Ay(Student), Continues
ARSLAN Y. Z. , Titreşime Maruz Kalan İnsan Vücudunun Omurga Bölgesinin Biyomekanik Analizi, Doctorate, S.Cansel(Student), Continues
ARSLAN Y. Z. , İskelet Kaslarının Modellenmesi ve Biyomekanik Analizi, Doctorate, F.Örteş(Student), Continues
ARSLAN Y. Z. , Kinezyolojik Bantlama ve Kontralateral Kuvvet Yayılımı Arasındaki İlişkinin Belirlenmesi, Doctorate, H.Denizoğlu(Student), Continues
ARSLAN Y. Z. , İnsan Elinin Pozisyon ve Kuvvetlerinin Kestirimi Amacıyla EMG Sinyallerinin Sınıflandırılması, Post Graduate, R.Yılmaz(Student), 2017
YAĞIZ N., ARSLAN Y. Z. , Dinamik Kasılma Esnasındaki Kas Koordinasyonunun Biyomekanik Analizi, Doctorate, N.Korkmaz(Student), 2017
ARSLAN Y. Z. , Spina Bifida Hastalığı olan Çocuklar için Ayak-Ayak Bileği Ortezi Tasarımı, Doctorate, K.Sürmen(Student), 2016
ARSLAN Y. Z. , Oral Cerrahide Kullanılmak Üzere Yeni Bir Doku Sabitleme Sisteminin Geliştirilmesi, Post Graduate, D.Karabulut(Student), 2016

Jury Memberships

Doctoral Examination, Doktora yeterlilik jürisi, Boğaziçi Üniversitesi Makine Mühendisliği Bölümü, February, 2017
Doctorate, Doktora tez savunma jürisi , İstanbul Üniversitesi Diş Hekimliği Fakültesi, August, 2015

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

- **Experimental investigation of biodynamic human body models subjected to whole-body vibration during a vehicle ride.**
Taskin Y., Hacıoglu Y., Ortes F., Karabulut D., Arslan Y. Z.
International journal of occupational safety and ergonomics : JOSE, vol.25, pp.530-544, 2019 (Journal Indexed in SSCI)
- **Force irradiation effect of kinesiotaping on contralateral muscle activation**
Kullu H. D. , KARABULUT D., SAKA T., AKAN A., ARSLAN Y. Z.
HUMAN MOVEMENT SCIENCE, vol.66, pp.310-317, 2019 (Journal Indexed in SCI)
- **Biomechanical, histological, and radiological effects of different phosphodiesterase inhibitors on femoral fracture healing in rats**
Dincel Y. M. , Alagoz E., Arıkan Y., Çağlar A. K. , Doğru S. C. , Ortes F., Arslan Y. Z.
JOURNAL OF ORTHOPAEDIC SURGERY, vol.26, 2018 (Journal Indexed in SCI)
- **EFFECTS OF HIGH-DOSE VITAMIN C AND HYALURONIC ACID ON TENDON HEALING**
Dincel Y. M. , Adanir O., Arıkan Y., Çağlar A. K. , Doğru S. C. , Arslan Y. Z.
ACTA ORTOPEDICA BRASILEIRA, vol.26, pp.82-85, 2018 (Journal Indexed in SCI)
- **A REVIEW OF FINITE ELEMENT APPLICATIONS IN ORAL AND MAXILLOFACIAL BIOMECHANICS**
Doğru S. C. , Cansız E., Arslan Y. Z.
JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY, vol.18, 2018 (Journal Indexed in SCI)
- **A Novel Dorsal Trimline Approach for Passive-Dynamic Ankle-Foot Orthoses**
Surmen H. K. , AKALAN N. E. , Fetvacı M. C. , Arslan Y. Z.
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.64, pp.185-194, 2018 (Journal Indexed in SCI)
- **Design, Manufacture, and Selection of Ankle-Foot-Orthoses**
Surmen H. K. , Akalan N. E. , Arslan Y. Z.
ENCYCLOPEDIA OF INFORMATION SCIENCE AND TECHNOLOGY, 4TH EDITION, pp.298-313, 2018 (Journal Indexed in SCI)
- **General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics**
Ortes F., Karabulut D., Arslan Y. Z.
ENCYCLOPEDIA OF INFORMATION SCIENCE AND TECHNOLOGY, 4TH EDITION, pp.492-504, 2018 (Journal Indexed in SCI)
- **Effects of low molecular weight heparin and rivaroxaban on rat Achilles tendon healing**
Eren Y., Adanir O., Dincel Y. M. , Genç E., Arslan Y. Z. , Çağlar A.
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.29, pp.13-19, 2018 (Journal Indexed in SCI)
- **Object-Oriented Programming in Computer Science**
Yılmaz R., Sezgin A., Kurnaz S., Arslan Y. Z.
ENCYCLOPEDIA OF INFORMATION SCIENCE AND TECHNOLOGY, 4TH EDITION, pp.7470-7480, 2018 (Journal Indexed in SCI)
- **THE IMPORTANCE OF FUNDUS AUTOFLUORESCENCE (FAF) IMAGING TO ESTABLISH PATIENT ELIGIBILITY FOR THE ARGUS (R) II RETINAL PROSTHESIS SYSTEM**
Koyluoğlu N., Sahin O., Arslan Y. Z. , Arslantas R., Pallikaris I.
EUROPEAN JOURNAL OF OPHTHALMOLOGY, vol.27, 2017 (Journal Indexed in SCI)
- **Computer-Aided Design and Manufacturing of a Novel Maxillofacial Surgery Instrument: Application in the Sagittal Split Osteotomy**
Cansız E., Turan F., Arslan Y. Z.

JOURNAL OF MEDICAL DEVICES-TRANSACTIONS OF THE ASME, vol.10, 2016 (Journal Indexed in SCI)

- **Improving the ride comfort of vehicle passenger using fuzzy sliding mode controller**

Arslan Y. Z. , Sezgin A., Yagiz N.

JOURNAL OF VIBRATION AND CONTROL, vol.21, pp.1667-1679, 2015 (Journal Indexed in SCI)

- **EXPERIMENTAL ASSESSMENT OF LUMPED-PARAMETER HUMAN BODY MODELS EXPOSED TO WHOLE BODY VIBRATION**

Arslan Y. Z.

JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY, vol.15, 2015 (Journal Indexed in SCI)

- **COMPARATIVE EVALUATION OF THE MECHANICAL PROPERTIES OF RESORBABLE AND TITANIUM MINIPLATES USED FOR FIXATION OF MANDIBULAR CONDYLE FRACTURES**

Cansiz E., Dogru S. C. , Arslan Y. Z.

JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY, vol.15, 2015 (Journal Indexed in SCI)

- **Control of a Biomimetic Robot Hand Finger: Classical, Robust, and Intelligent Approaches**

Arslan Y. Z. , Taskin Y., Hacioglu Y., Yagiz N.

HANDBOOK OF RESEARCH ON ADVANCEMENTS IN ROBOTICS AND MECHATRONICS, pp.475-499, 2015 (Journal Indexed in SCI)

- **Computer-assisted Design of Patient-specific Sagittal Split Osteotomy Guide and Soft Tissue Retractor**

Cansiz E., Arslan Y. Z. , Turan F., Atalay B.

JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING, vol.34, pp.363-367, 2014 (Journal Indexed in SCI)

- **PREDICTION OF MUSCLE FORCES USING STATIC OPTIMIZATION FOR DIFFERENT CONTRACTILE CONDITIONS**

Arslan Y. Z. , Jinha A., Kaya M., Herzog W.

JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY, vol.13, 2013 (Journal Indexed in SCI)

- **Analysis of the vertical vibration effects on ride comfort of vehicle driver**

Sezgin A., Arslan Y. Z.

JOURNAL OF VIBROENGINEERING, vol.14, pp.559-571, 2012 (Journal Indexed in SCI)

- **Comparison of the Data Classification Approaches to Diagnose Spinal Cord Injury**

Arslan Y. Z. , Demirer R. M. , Palamar D., Ugur M., Karamehmetoglu S. S.

COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, 2012 (Journal Indexed in SCI)

- **MIMO fuzzy sliding mode controlled dual arm robot in load transportation**

Hacioglu Y., Arslan Y. Z. , Yagiz N.

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.348, pp.1886-1902, 2011 (Journal Indexed in SCI)

- **Load transportation by dual arm robot using sliding mode control**

Yagiz N., Hacioglu Y., Arslan Y. Z.

JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.24, pp.1177-1184, 2010 (Journal Indexed in SCI)

- **Prediction of externally applied forces to human hands using frequency content of surface EMG signals**

Arslan Y. Z. , Adli M. A. , Akan A., Baslo M. B.

COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.98, pp.36-44, 2010 (Journal Indexed in SCI)

- **Fuzzy sliding mode control of a finger of a humanoid robot hand**

Arslan Y. Z. , Hacioglu Y., Yagiz N.

EXPERT SYSTEMS, vol.26, pp.291-303, 2009 (Journal Indexed in SCI)

- **A quantitative skin impedance test to diagnose spinal cord injury**

Karamehmetoglu S. S. , Ugur M., Arslan Y. Z. , Palamar D.

EUROPEAN SPINE JOURNAL, vol.18, pp.972-977, 2009 (Journal Indexed in SCI)

- **PI+PD type fuzzy logic controlled dual-arm robot in load transfer**

Hacioglu Y., Arslan Y. Z. , Yagiz N.

STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.54, pp.347-355, 2008 (Journal Indexed in SCI)

- **Prosthetic hand finger control using fuzzy sliding modes**

Arslan Y. Z. , Hacioglu Y., Yagiz N.

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.52, pp.121-138, 2008 (Journal Indexed in SCI)

- **Sliding mode control of a finger for a prosthetic hand**
Yagiz N., Arslan Y. Z. , Hacıoglu Y.
JOURNAL OF VIBRATION AND CONTROL, vol.13, pp.733-749, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Design and Production of Subject Specific Insole using Reverse Engineering and 3D Printing Technology**
SÜRMEH H. K. , ÖRTEŞ F., ARSLAN Y. Z.
International Journal of Engineering and Science Invention, vol.5, pp.11-15, 2016 (Refereed Journals of Other Institutions)
- **Sagittal Split Osteotomi Rehberi Ve Yumuşak Doku Retraktörünün Tasarımı Ve Üretimi**
ARSLAN Y. Z. , TURAN F., CANSIZ E.
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, pp.135-140, 2014 (National Refereed University Journal)
- **Interpretation of Muscle Fatigue Using Temporal and Spectral Moments of EMG Signals**
ARSLAN Y. Z. , GÜNDOĞDU U., SAYIN A., AKAN A., KOCASOY ORHAN E., BASLO M. B.
WSEAS Transactions on Signal Processing, no.5, pp.656-661, 2006 (Refereed Journals of Other Institutions)

Book & Book Chapters

- **in: Encyclopedia of Information Science and Technology, Fourth Edition (10 Volumes)**
SURMEN H. K. , AKALAN N. E. , ARSLAN Y. Z.
Design, manufacture and selection of ankle-foot-orthoses , Mehdi Khosrow-Pour , Editor, Igi Global Publications, Hershey, pp.298-313, 2018
- **in: Encyclopedia of Information Science and Technology**
ÖRTEŞ F., KARABULUT D., ARSLAN Y. Z.
General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics, Mehdi Khosrow-Pour, Editor, Igi Global Publications, Hershey, pp.492-504, 2018
- **in: Encyclopedia of Information Science and Technology, Fourth Edition (10 Volumes)**
ÖRTEŞ F., Karabulut D., ARSLAN Y. Z.
General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics, Mehdi Khosrow-Pour , Editor, Igi Global Publications, Hershey, pp.1-10, 2017
- **in: Temel Kinezyo-Mekanik**
ARSLAN Y. Z. , ÖRTEŞ F.
Biyomekanik Uygulamalar İçin Temel Mekanik, Akalan N.E., Temelli Y., Editor, İstanbul Tıp Kitabevleri, İstanbul, pp.1-81, 2016
- **in: Handbook of Research on Advancements in Robotics and Mechatronics**
ARSLAN Y. Z. , HACIOĞLU Y., TAŞKIN Y., YAĞIZ N.
Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches, Habib M. K., Editor, Igi Global Publisher, Hershey, Pa, pp.475-499, 2015
- **in: Handbook of Research on Advancements in Robotics and Mechatronics**
ARSLAN Y. Z. , HACIOĞLU Y., TAŞKIN Y., YAĞIZ N.
Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches, Habib M. K., Editor, Igi Global Publisher, Hershey, Pa, pp.475-499, 2015
- **in: Handbook of Research on Advancements in Robotics and Mechatronics**
ARSLAN Y. Z. , Hacıoglu Y., TAŞKIN Y., YAĞIZ N.
Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches, Habib M. K., Editor, Igi Global Publisher, Hershey, Pa, pp.475-499, 2015
- **in: Handbook of Research on Advancements in Robotics and Mechatronics**
ARSLAN Y. Z. , Hacıoglu Y., TAŞKIN Y., YAĞIZ N.
Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches, Habib M. K., Editor, Igi

Global Publisher, Hershey, Pa, pp.475-499, 2015

- **in: Handbook of Research on Advancements in Robotics and Mechatronics (2 Volumes)**

ARSLAN Y. Z. , HACIOĞLU Y., TAŞKIN Y., YAĞIZ N.

Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches, Habib M, Editor, Iğr

Global Publications, Hershey, pp.475-499, 2015

Refereed Congress / Symposium Publications in Proceedings

- **Modeling and simulation of the musculoskeletal system of the cat hind limb in Opensim**
KARABULUT D., DOĞRU S. C. , LIN Y., PANDY M., HERZOG W., ARSLAN Y. Z.
8th World Congress of Biomechanics, Dublin, Ireland, 8 - 12 July 2018, pp.1
- **Argus II retinal implant application in a patient with history of epilepsy**
Koyluoglu Unal N., Akkan F., Altindag E., Arslantas R., ARSLAN Y. Z.
Artificial Vision 2017, Aachen, Germany, 1 December - 02 November 2017, pp.1
- **İstemli Hareketler Öncesinde Postural Kontrol Mekanizmasının İncelenmesi**
Çelik H., Arpınar Avsar P., ARSLAN Y. Z.
1. Yürüyüş ve Denge Kongresi, Ankara, Turkey, 21 - 23 September 2017, pp.1
- **Dinamik Alt Ekstremité Hareketleri Sırasında Çoklu Kas Sinerjilerinin İncelenmesi**
Arpınar Avsar P., ARSLAN Y. Z. , Çelik H.
28-29. Ulusal Biyofizik Kongresi, İstanbul, Turkey, 6 - 09 September 2017, pp.1
- **A musculoskeletal spine model for predicting spinal muscle forces of a human body exposed to whole body vibration**
DOĞRU S. C. , Qui Y., Yang M., ARSLAN Y. Z.
6th International Conference on Whole Body Vibration Injuries, Gothenburg, Sweden, 19 - 21 June 2017, pp.1-2
- **Computer aided design of custom-made miniplates for virtual planning in orthognathic surgery**
Kara M. B. , ÖRTEŞ F., CANSIZ E., ARSLAN Y. Z.
9th International Symposium on Mechanics of Materials and Structures, Augustow, Poland, 4 - 08 June 2017, pp.92-94
- **Rambling and trembling in the analysis of postural adjustments prior to the self-selected and reaction time tasks**
Çelik H., ARSLAN Y. Z. , Arpınar Avsar P.
27th Annual Meeting of the Society for the Neural Control of Movement, Dublin, Ireland, 2 - 05 May 2017, pp.1
- **Evaluation of the gait characteristics of the patients subjected to iliac crest bone grafting**
CANSIZ E., DOĞRU S. C. , KARABULUT D., AKALAN N. E. , ARSLAN Y. Z. , TEMELLİ Y.
23rd International Conference on Oral and Maxillofacial Surgery, Hongkong, Hong Kong, 31 March - 03 April 2017, pp.17-177
- **Estimation of In Vivo Muscle Forces Using Artificial Neural Networks and EMG Signals**
ÖRTEŞ F., KARABULUT D., ARSLAN Y. Z. , HERZOG W.
8. Ulusal Biyomekanik Kongresi, Ankara, Turkey, 19 - 23 October 2016, pp.1
- **Açık ve Kapalı Becerilerde Harekete Hazırlık Safhasında Vücut Salınımı Değişimlerinin İncelenmesi**
Arpınar Avsar P., Çelik H., ARSLAN Y. Z.
8. Ulusal Biyomekanik Kongresi, Ankara, Turkey, 19 - 23 October 2016, pp.1
- **Evaluation of gait characteristics of patient subjected to the Atrophic jaw augmentation**
Karabulut D., DOĞRU S. C. , CANSIZ E., ARSLAN Y. Z. , AKALAN N. E. , TEMELLİ Y.
8. National Biomechanics Congress with International Participation, Ankara, Turkey, 19 - 23 October 2016, pp.1
- **Evaluation of the gait characteristics of the patients subjected to the Atrophic jaw augmentation,**
Karabulut D., DOĞRU S. C. , CANSIZ E., ARSLAN Y. Z. , AKALAN N. E. , TEMELLİ Y.
8. National Biomechanics Congress with International Participation, Ankara, Turkey, 19 - 23 October 2016, pp.1
- **Development of a computational musculoskeletal model of the cat hind limb**
KARABULUT D., DOĞRU S. C. , ARSLAN Y. Z. , LIN Y., PANDY M., HERZOG W.
International Conference of the Polish Society of Biomechanics-BIOMECHANICS 2016, Biala Podlaska, Poland, 5 - 07 September 2016, pp.1-2
- **Evaluation Of Morbidity Following Anterior Iliac Crest Bone Grafting For The Reconstruction Of Deficient**

Alveolar Ridges Via General And Combined Spinal Epidural Anesthesia

CANSIZ E., DOĞRU S. C. , Karabulut D., ARSLAN Y. Z. , TEMELLİ Y., AKALAN N. E. , ŞİTİLCİ A. T.
TAOMS 2016, Muğla, Turkey, 26 - 30 May 2016, pp.34

- **Evaluation Of Preoperative And Postoperative Gait Analyses Of Patients Subjected To Iliac Crest Augmentation For The Treatment Of Maxillary Alveolar Atrophy**

CANSIZ E., DOĞRU S. C. , KARABULUT D., ARSLAN Y. Z. , TEMELLİ Y., AKALAN N. E.
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- **Mechanical analysis of an ankle-foot orthosis using finite element method**

SURMEN H. K. , FETVACI M. C. , ARSLAN Y. Z.

International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 19 - 22 May 2016, pp.1635-1639

- **Evaluation of an ankle-foot-orthosis designed for children with spina bifida**

SURMEN H. K. , AKALAN N. E. , ARSLAN Y. Z. , TEMELLİ Y.

International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 19 - 22 May 2016, pp.1630-1634

- **An educational application of 3d printing technique used for insole production**

SURMEN H. K. , ORTES F., ARSLAN Y. Z.

International Conference on Education in Mathematics, Science& Technology (ICEMST), Muğla, Turkey, 19 - 22 May 2016, pp.1-5

- **A biomechatronic application on prosthetics for undergraduate engineering students**

ORTES F., SURMEN H. K. , ARSLAN Y. Z.

International Conference on Education in Mathematics, Science& Technology (ICEMST), Muğla, Turkey, 19 - 22 May 2016, pp.1-4

- **Effects of a Functional Exercise Program on Injury Prevention in Young Male Soccer Players**

Bulat M., DİNÇ E., Begovic H., ARSLAN Y. Z. , BAYRAKTAR B.

CASEM Annual Symposium 2016, Victoria, Canada, 19 - 21 May 2016, vol.26, no.3

- **Extraction and Classification of EMG signal features for the human arm prosthetics**

ÖRTEŞ F., KARABULUT D., ARSLAN Y. Z.

BİYOMUT, İstanbul, Turkey, 6 - 07 November 2015, pp.1-4

- **Development and validation of a musculoskeletal model of the cat hind limb**

Karabulut D., DOĞRU S. C. , ARSLAN Y. Z. , Li Y. C. , Pandy M., Herzog W.

BİYOMUT, İstanbul, Turkey, 6 - 07 November 2015, pp.1-4

- **İnsan Kolu Protezleri için EMG Sinyallerinin Özniteliklerinin Elde Edilmesi ve Sınıflandırılması**

ÖRTEŞ F., Karabulut D., ARSLAN Y. Z.

BİYOMUT, İstanbul, Turkey, 5 - 06 November 2015, pp.1-4

- **Evaluation of gait characteristics of patient subjected to the atrophic jaw augmentation**

Karabulut D., DOĞRU S. C. , CANSIZ E., ARSLAN Y. Z. , AKALAN N. E. , TEMELLİ Y.

International Conference on Electrical, Computer, Mechanical and Mechatronics Engineering, İstanbul, Turkey, 27 August - 28 November 2015, pp.1-5

- **Application of a maxillofacial surgery instrument manufactured by laser sintering in the sagittal split osteotomy**

ARSLAN Y. Z. , CANSIZ E., TURAN F.

8th International Symposium on Mechanics of Materials and Structures, Augustow, Poland, 31 May - 03 June 2015, pp.1-2

- **Design and production of a novel computer assisted, patient specific sagittal split osteotomy guide and soft tissue retractor**

CANSIZ E., ARSLAN Y. Z. , TURAN F.

7th International ACBID Congress, Antalya, Turkey, 29 May - 02 June 2015, pp.1-2

- **EVALUATION OF DIFFERENT FIXATION MATERIALS FOR MANDIBULAR CONDYLE FRACTURES**

DOĞRU S. C. , Cansız E., ARSLAN Y. Z.

XIX International Conference on Mechanics in medicine and Biology, Bologna, Italy, 3 - 04 September 2014

- **Design and manufacture of a patient-specific surgical device for sagittal split osteotomy**

ARSLAN Y. Z. , TURAN F., CANSIZ E.

7th World Congress of Biomechanics, Boston, United States Of America, 6 - 11 July 2014, pp.1

- **16. Ulusal Makina Teorisi Sempozyumu**

SEZGİN A., ARSLAN Y. Z. , YAĞIZ N.

Yol Kaynaklı Taşıt Titreşimlerinin İnsan Vücudu Üzerindeki Etkisinin Kayan Kipli Kontrolcü ile Azaltılması, Erzurum, Turkey, 11 - 12 September 2013, vol.1, pp.34-41

- **Yol Kaynaklı Taşıt Titreşimlerinin İnsan Vücudu Üzerindeki Etkisinin Kayan Kipli Kontrolcü ile Azaltılması**

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