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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Spor Bilimleri Fakültesi, Egzersiz ve Spor Bilimleri Bölümü, Turkey 2014 - 2023

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Spor Bilimleri ve Teknolojisi A.B.D., Turkey 2011 - 2014

Undergraduate, Hacettepe University, Spor Bilimleri Fakültesi, Turkey 2007 - 2011

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, İNSAN HAREKETİNİN BİYOMEKANİK MODELİ İÇİN YER TEPKİ KUVVETLERİNİN KESTİRİMİ, Hacettepe University, Spor Bilimleri Fakültesi, Egzersiz Ve Spor Bilimleri Bölümü, 2023

Postgraduate, Biomechanical analysis of forward and backward giant circles on high bar, Hacettepe University, Sağlık Bilimleri Enstitüsü, Spor Bilimleri Ve Teknolojisi A.B.D., 2014

Research Areas

Biomedical Engineering, Biomechanics, Motion Analysis, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Hacettepe University, Spor Bilimleri Fakültesi, Egzersiz ve Spor Bilimleri Bölümü, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. EFFECT OF KNEE HYPEREXTENSION ON FEMORAL CARTILAGE THICKNESS IN STROKE PATIENTS.

Korkusuz S., Kibar S., Özgören N. Ş., Arıtan S., Seçkinoğulları B., Fil Balkan A.

American journal of physical medicine & rehabilitation, vol.103, pp.371-376, 2024 (SCI-Expanded)

II. Comparison of collision dynamics of soccer balls with energy dissipation method

Tunçel A., Özgören N. Ş., ARITAN S.

Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2024 (SCI-Expanded)

III. Comparison of the Effectiveness of Kinesiology Taping and Rigid Taping on Ankle Kinematics During Drop Landing in Individuals with Lateral Ankle Injury

Korkusuz S., KILIÇ R. T., ARITAN S., Ozgoren N. Ş., Sozay S., Kibar S., Yosmaoglu H. B.

Journal of the American Podiatric Medical Association, vol.112, no.6, 2022 (SCI-Expanded)

IV. Peak counting in surface electromyography signals for quantification of muscle fatigue during dynamic contractions

Ozgoren N. Ş., ARITAN S.

MEDICAL ENGINEERING & PHYSICS, vol.107, 2022 (SCI-Expanded)

Articles Published in Other Journals

I. Effect of Postural Changes on Resting Metabolic Rate and Substrate Utilization

HAZIR T., DENİZLİ G., ULUPINAR S., ÖZGÖREN N. Ş., ESER M. C., DUMANKAYA F. B., KİN İŞLER A.

Turkish Journal of Sports Medicine, vol.53, 2018 (Peer-Reviewed Journal)

II. Simulation of Giant Circles on High Bar

Özgören N. Ş., Arıtan S.

Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.3, pp.249-251, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Computer Simulation Model For Biomechanical Analysis Of Overhead Throwing In Handball: A Pilot Study

Yüzbaşıoğlu Y., Özgören N. Ş.

Congress on Movement and Motor Control, Eskişehir, Turkey, 21 - 25 May 2021, pp.186-191

II. Determining subject-specific feedback control parameters for knee joint during back squats with varying loads

Özgören N. Ş., Arıtan S.

9th International Biomechanics Congress, Eskişehir, Turkey, 19 - 21 September 2018

III. Development of a real-time feedback control system for knee joint during back squat

Özgören N. Ş., Yaylıoğlu V. D., Arıtan S.

36th Conference of the International Society of Biomechanics in Sports, Auckland, New Zealand, 10 - 14 September 2018, vol.36, no.131, pp.586-589

IV. Postüral Değişimin Dinlenik Metabolik Hız Üzerine Etkisi

Denizli G., Ulupınar S., Özgören N. Ş., Eser M. C., Dumankaya F. B., Kin İşler A., Hazır T.

15. Uluslararası Spor Bilimleri Kongresi, Antalya, Turkey, 15 - 18 November 2017

V. Estimating straight punch force in boxing: A simulation model of the punching bag

Özgören N. Ş., Arıtan S.

15th International Sport Sciences Congress, Antalya, Turkey, 15 - 18 November 2017, pp.210-211

VI. Comparison of three EMG-based muscle fatigue assessments in dynamic contractions

Özgören N. Ş., Arıtan S.

35th Conference of the International Society of Biomechanics in Sports, Cologne, Germany, 14 - 18 June 2017, vol.35, no.174, pp.524-527

VII. Electromyography in A 50 Repetition Isokinetic Fatigue Test

Özgören N. Ş., Arıtan S.

14th International Sport Sciences Congress, Antalya, Turkey, 1 - 04 November 2016, pp.338

VIII. **Evaluating responses of a feedback control system for a multi link biomechanical model**

Özgören N. Ş., Arıtan S.

Uluslararası Katılımlı 8.Ulusal Biyomekanik Kongresi, Ankara, Turkey, 19 - 23 October 2016, pp.31-33

IX. **A Feedback Controller Design for a Biomechanical Model of the Press Handstand in Gymnastics**

Özgören N. Ş., Arıtan S.

The 34th International Conference on Biomechanics in Sports, Tsukuba, Japan, 18 - 22 July 2016, pp.909-912

X. **Use Your Head! in Giant Circles on High Bar.**

Özgören N. Ş., Arıtan S.

Biomechanics of Human Motion Workshop, Güzelyurt, Cyprus (Kktc), 20 - 21 June 2015

XI. **Biomechanical characteristics of forward and backward giant circles on high bar**

Özgören N. Ş., Arıtan S.

13th International Sport Sciences Congress, Konya, Turkey, 7 - 09 November 2014, pp.127-128

XII. **Simulation of giant circles on high bar**

Özgören N. Ş., Arıtan S.

VII. Ulusal Biyomekanik Kongresi, Isparta, Turkey, 16 - 18 October 2014, vol.2, pp.249-252

Supported Projects

ARITAN S., ÖZGÖREN N. Ş., Project Supported by Higher Education Institutions, Boksta direkt vuruş kuvvetinin kestirilmesi Boks torbasının benzeşim modeli, 2017 - 2017

ARITAN S., ÖZGÖREN N. Ş., Project Supported by Higher Education Institutions, Dinamik kasılmalarda üç farklı EMG tabanlı kas yorgunluğu değerlendirme yönteminin karşılaştırılması, 2017 - 2017

ARITAN S., ÖZGÖREN N. Ş., YAYLIOĞLU V. D., TOK D., Project Supported by Higher Education Institutions, Biyomekanikte Hareket Analizi Çalıştayı, 2016 - 2017

ARITAN S., ÖZGÖREN N. Ş., Project Supported by Higher Education Institutions, 50 tekrarlı bir izokinetik yorgunluk testinde elektromiyografi, 2016 - 2016

Metrics

Publication: 18

Citation (WoS): 25

Citation (Scopus): 42

H-Index (WoS): 1

H-Index (Scopus): 1

Non Academic Experience

Türkiye Voleybol Federasyonu