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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

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. 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)
- II. **EFFECT OF KNEE HYPEREXTENSION ON FEMORAL CARTILAGE THICKNESS IN STROKE PATIENTS.**
Korkusuz S., Kibar S., Özgören N. Ş., Aritan S., Seçkinogulları B., Fil Balkan A.
American journal of physical medicine & rehabilitation, 2023 (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., Aritan 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., Aritan 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., Aritan 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., Aritan 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., Aritan 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., Aritan 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., Aritan S.
Uluslararası Katılımlı 8.Uluslararası 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., Aritan 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., Aritan 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., Aritan 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., Aritan 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, Biyomekanikde 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): 41
H-Index (WoS): 1
H-Index (Scopus): 1

Non Academic Experience

Türkiye Voleybol Federasyonu