

Res. Asst. ALPER YILDIRIM

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International Researcher IDs

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Publons / Web Of Science ResearcherID: JHT-4224-2023

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Education Information

Doctorate, Marmara University, Faculty of Technology, Mechatronic Engineering, Turkey 2023 - Continues

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Mechatronics Engineering, Turkey 2021 - 2023

Undergraduate, Izmir Katip Celebi University, Faculty Of Engineering-Architecture, Department Of Mechatronics Engineering, Turkey 2015 - 2020

Research Areas

Machine Dynamics, System Dynamics and Control, Modeling and Simulation of Dynamic Systems

Published journal articles indexed by SCI, SSCI, and AHCI

I. Comparative Design Improvement of the Growing Rod for the Scoliosis Treatment Considering the Mechanical Complications

Demir U., Akgün G., Kocaoğlu S., Okay E., Heydar A., Akdoğan E., Yıldırım A., Yazı S., Demirci B., Kaplanoglu E.
IEEE Access, vol.11, pp.40107-40120, 2023 (SCI-Expanded)

Articles Published in Other Journals

I. Reflections of Attention Deficit Hyperactivity Disorder Into Adulthood: Past and Current Symptoms

Dikkat Eksikliği ve Hiperaktivite Bozukluğu: Yetişkinlere Yansımaları, Belirtilerin Dünü ve Bugünü
Aroğlan E., Erdem İ. C., YILDIRIM A.

Turkish Journal of Child and Adolescent Mental Health, vol.31, no.2, pp.151-159, 2024 (Scopus)

II. Epilepsy and Quality of Life in the Shadow of Stigmatization

Akcal Z., Ates S., YILDIRIM A.

Haseki Tıp Bulteni, vol.62, no.3, pp.136-140, 2024 (ESCI)

III. Multi System Level Driving Scenarios Based Topology Optimization of Bracket Design for 2 DoF Vehicle Simulator

Demirci B., demir u., AKGUN G., YILDIRIM A., Aküner C.

International Journal of Automotive Science and Technology, vol.7, no.3, pp.248-258, 2023 (Scopus)

- IV. **FFT Analysis and Motion Classification of EMG Signals**
AKGÜN G., DEMİR U., YILDIRIM A.
Computer Science, pp.130-136, 2022 (Peer-Reviewed Journal)
- V. **Fuzzy Decision Based Modeling of Rheostatic Brake System for Autonomous Land Vehicles**
Sünkün S., Parlak B. O., Yıldırım A., Yavaşoğlu H. A.
Journal of Computer Science, vol.2022, pp.144-150, 2022 (Conference Book)
- VI. **Design of a Toolbox for Kinematic Analysis of Jansen's Linkage**
Sünkün S., Parlak B. O., Yıldırım A., Yavaşoğlu H. A.
Journal of Computer Science, vol.2022, pp.112-119, 2022 (Conference Book)

Refereed Congress / Symposium Publications in Proceedings

- I. **Intelligent Adaptive Control of Magnetically Growing Rod-Like System**
Çokatar S., YILDIRIM A., AKGÜN G., AKDOĞAN E., DEMİR U.
3rd International Conference on Power, Control and Computing Technologies, ICPC2T 2024, Raipur, India, 18 - 20 January 2024, pp.135-138
- II. **Parameter Estimation of Magnetic Growing Rod with Output Error Method**
Yildirim A., Akgün G., Çokatar S., Demir U.
2023 Innovations in Intelligent Systems and Applications Conference (ASYU), Sivas, Turkey, 11 - 13 October 2023, pp.1-6
- III. **Neural Network and IoT-based Test Maneuver Deployment for 2 DoF Vehicle Simulator**
DEMİRCİ B., DEMİR U., AKGÜN G., YILDIRIM A., AKÜNER M. C., ÖZKAN M.
2022 International Conference on Artificial Intelligence of Things (ICAIoT), 29 December 2022, vol.11
- IV. **Investigation of UWB-IMU Sensor Fusion for Indoor Navigation with DoE**
Durmus S., DEMİR U., AKGÜN G., YILDIRIM A.
2023 Innovations in Intelligent Systems and Applications Conference, ASYU 2023, Sivas, Turkey, 11 - 13 October 2023
- V. **Motion Classification of EMG Signals with Deep Learning**
Akgün G., Yıldırım A., Demir U., Kaplanoğlu E.
TOK2022 Otomatik Kontrol Ulusal Toplantısı, Elazığ, Türkiye, 15 - 18 Eylül 2022, Elazığ, Turkey, 15 - 18 September 2022

Supported Projects

Demir U., Akdoğan E., Okay E., Heydar A. M., Kocaoğlu S., Akgün G., TUBITAK Project, Tübitak Proje Numarası : 121E492, Skolyoz Tedavisi için Manyetik Aktüatör ve Kontrol Ünitesinin Geliştirilmesi, 2022 - 2024

Metrics

Publication: 12

Citation (Scopus): 2

H-Index (Scopus): 1