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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey 2019 - Continues

Postgraduate, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey 2016 - 2019

Undergraduate Double Major, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2013 - 2016

Undergraduate, Anadolu University, Faculty Of Business Administration, İşletme, Turkey 2012 - 2016

Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2011 - 2016

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Real-time Stride Length Estimation using Textile-Based Capacitive Soft Strain Sensors**
Ayvaz U., Özlem K., Yılmaz A., Tunçay Atalay A., Atalay Ö., İnce G.
IEEE Transactions on Instrumentation and Measurement, vol.73, pp.1-11, 2024 (SCI-Expanded)
- II. **Effect of Segment Types on Characterization of Soft Sensing Textile Actuators for Soft Wearable Robots**
Yılmaz A., Khalilbayli F., Özlem K., Elmoughni H. M. E. A., Kalaoğlu F., TUNÇAY ATALAY A., İnce G., Atalay Ö.
Biomimetics, vol.7, no.4, 2022 (SCI-Expanded)
- III. **Thermoelectric Clothing for Body Heat Harvesting and Personal Cooling: Design and Fabrication of a Textile-Integrated Flexible and Vertical Device**
Elmoughni H. M. E. A., Atalay Ö., Özlem K., Menon A. K.
ENERGY TECHNOLOGY, vol.10, no.10, 2022 (SCI-Expanded)
- IV. **Machine-Knitted Seamless Pneumatic Actuators for Soft Robotics: Design, Fabrication, and Characterization**
Elmoughni H. M. E. A., Yılmaz A. F., Özlem K., Khalilbayli F., Cappello L., Atalay A. T., İnce G., Atalay Ö.
ACTUATORS, vol.10, no.5, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Highly Stretchable Textile Knitted Interdigital Sensor for Wearable Technology Applications**
Yılmaz A. F., Adel Khamis Ahmed I., Gümüş Ç., ÖZLEM K., ÇETİN M. S., TUNÇAY ATALAY A., İNCE G., ATALAY Ö.
Advanced Sensor Research, 2023 (Peer-Reviewed Journal)
- II. **Textile-based pressure sensor arrays: A novel scalable manufacturing technique**
Gumus C., Özlem K., Khalilbayli F., Erzurumluoglu O. F., İnce G., Atalay Ö., TUNÇAY ATALAY A.
MICRO AND NANO ENGINEERING, vol.15, 2022 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Pressure Monitoring for Scoliosis Braces using Textile-based Pressure Sensor Arrays**
Erzurumluoğlu Ö. F., ÖZLEM K., Tunç H., Gümüş Ç., Khalilbayli F., Büyükaslan A., Yılmaz H., TUNÇAY ATALAY A., ATALAY Ö., İNCE G.
International Conference on Health and Social Care Information Systems and Technologies, 01 January 2023
- II. **Knitted Interdigital Capacitive Strain Sensor for Wearable Applications**
Yılmaz A. F., ÖZLEM K., ÇETİN M. S., TUNÇAY ATALAY A., İNCE G., ATALAY Ö.
Association of Universities for Textiles Conference (AUTEX 2022, 01 January 2022)
- III. **Gait Phase Recognition using Textile-based Sensor**
Pazar A., Khalilbayli F., Özlem K., Yılmaz F., TUNÇAY ATALAY A., Atalay Ö., İnce G.
7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.338-343
- IV. **A Textile-based, Sensorized Pneumatic Actuator for Soft-robotics Applications**
Arslan F., ÖZLEM K., Elmoughni H. M., Cappello L., TUNÇAY ATALAY A., İNCE G., ATALAY Ö.
Association of Universities for Textiles Conference (AUTEX 2021), 1 - 03 January 2021
- V. **ECG Monitoring System Using Textile Electrodes**
Paket E., Özlem K., Elmoughni H., TUNÇAY ATALAY A., Atalay Ö., İnce G.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020
- VI. **Step Length Estimation using Sensor Fusion**
Sevinç H., AYVAZ U., ÖZLEM K., Elmoughni H., TUNÇAY ATALAY A., ATALAY Ö., İNCE G.
IEEE International Conference on Flexible and Printable Sensors and Systems (FLEPS 2020), 1 - 04 January 2020
- VII. **Comparative Assessment of Knee Motion Monitoring Technologies**
KUYUCU C. F., AYVAZ U., ÖZLEM K., ATALAY A., ATALAY Ö., İNCE G.
2019 4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019
- VIII. **Security and Privacy Issues for E-textile Applications**
ÖZLEM K., Korkmaz Kuyucu M., BAHTİYAR Ş., İNCE G.
2019 4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019
- IX. **Textile Based Sensing System for Lower Limb Motion Monitoring**
Özlem K., Atalay Ö., Atalay A., İnce G.
4th International Conference on NeuroRehabilitation (ICNR), Pisa, Italy, 16 - 20 October 2018, vol.21, pp.395-399

Metrics

Publication: 16

Citation (WoS): 7

Citation (Scopus): 36

H-Index (WoS): 2

H-Index (Scopus): 3

Non Academic Experience

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