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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-8756-2019

ScopusID: 55957638100

Yoksis Researcher ID: 145696

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Hidrolik Ve Su Kaynakları Mühendisliği (Dr), Turkey
2010 - 2017

Undergraduate, Istanbul Technical University, Mimarlık, Mimarlık, Turkey 2007 - 2012

Undergraduate, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 2006 - 2010

Foreign Languages

English

Research Areas

Hydraulic

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2021 - Continues

Associate Professor, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Civil Engineering, 2019 - 2021

Assistant Professor, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Civil Engineering, 2018 - 2019

Research Assistant, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2011 - 2018

Academic and Administrative Experience

Head of Department, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Civil Engineering, 2019 - 2021

Deputy Head of Department, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Civil Engineering, 2018 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Combination of Wilcoxon test and scatter diagram for trend analysis of hydrological data**
Saphioğlu K., Güçlü Y. S.
Journal of Hydrology, vol.612, 2022 (SCI-Expanded)
- II. **A different type of Burr distribution applying to hydro-meteorological data**
Güçlü Y. S.
SPATIAL STATISTICS, vol.43, 2021 (SCI-Expanded)
- III. **Climate change impacts on sea surface temperature (SST) trend around Turkey seashores**
Dabanlı İ., Sisman E., Guclu Y. S., Birpinar M. E., Sen Z.
ACTA GEOPHYSICA, vol.69, no.1, pp.295-305, 2021 (SCI-Expanded)
- IV. **Improved visualization for trend analysis by comparing with classical Mann-Kendall test and ITA**
Guclu Y. S.
JOURNAL OF HYDROLOGY, vol.584, 2020 (SCI-Expanded)
- V. **Innovative triangular trend analysis**
Guclu Y. S., Sisman E., Dabanlı İ.
ARABIAN JOURNAL OF GEOSCIENCES, vol.13, no.1, 2020 (SCI-Expanded)
- VI. **Discussion of "Critical Values for Şen's Trend Analysis" by Richard H. McCuen**
Şişman E., Güçlü Y. S., Dabanlı İ.
Journal Of Hydrologic Engineering, vol.25, no.1, pp.1-2, 2019 (SCI-Expanded)
- VII. **Air quality (AQ) identification by innovative trend diagram and AQ index combinations in Istanbul megacity**
Guclu Y. S., Dabanlı İ., Sisman E., Sen Z.
ATMOSPHERIC POLLUTION RESEARCH, vol.10, no.1, pp.88-96, 2019 (SCI-Expanded)
- VIII. **Multiple Sen-innovative trend analyses and partial Mann-Kendall test**
Guclu Y. S.
JOURNAL OF HYDROLOGY, vol.566, pp.685-704, 2018 (SCI-Expanded)
- IX. **Alternative Trend Analysis: Half Time Series Methodology**
Güçlü Y. S.
WATER RESOURCES MANAGEMENT, vol.32, no.7, pp.2489-2504, 2018 (SCI-Expanded)
- X. **Frequency Analysis of Low and High Flows in Trend**
Güçlü Y. S.
CLEAN-SOIL AIR WATER, vol.46, no.5, 2018 (SCI-Expanded)
- XI. **Climate change and frequency-intensity-duration (FID) curves for Florya station, Istanbul**
Guclu Y. S., Sisman E., Yelegen M. O.
Journal of Flood Risk Management, vol.11, 2018 (SCI-Expanded)
- XII. **Regional fuzzy chain model for evapotranspiration estimation**
Güçlü Y. S., Subyani A. M., Sen Z.
JOURNAL OF HYDROLOGY, vol.544, pp.233-241, 2017 (SCI-Expanded)
- XIII. **Trend Assessment by the Innovative-Sen Method**
Dabanlı I., SEN Z., Yelegen M. O., Sisman E., SELEK B., Guclu Y. S.
WATER RESOURCES MANAGEMENT, vol.30, no.14, pp.5193-5203, 2016 (SCI-Expanded)
- XIV. **Hydrograph estimation with fuzzy chain model**
Guclu Y. S., SEN Z.
JOURNAL OF HYDROLOGY, vol.538, pp.587-597, 2016 (SCI-Expanded)
- XV. **Comments on "Comparison of Mann-Kendall and innovative trend method for water quality parameters of the Kizilirmak River, Turkey (Kisi and Ay, 2014)" and "An innovative method for trend analysis of monthly pan evaporation (Kisi, 2015)"**
Güçlü Y. S.
JOURNAL OF HYDROLOGY, vol.538, pp.878-882, 2016 (SCI-Expanded)
- XVI. **HARmonic-LINear (HarLin) model for solar irradiation estimation**

- Guclu Y. S., DABANLI I., Sisman E., SEN Z.
RENEWABLE ENERGY, vol.81, pp.209-218, 2015 (SCI-Expanded)
- XVII. **Hydrogeological parameter estimations by partial type curve matching methodology**
Sen Z., DABANLI I., Sisman E., Guclu Y. S.
ARABIAN JOURNAL OF GEOSCIENCES, vol.8, no.1, pp.565-578, 2015 (SCI-Expanded)
- XVIII. **Solar irradiation estimations and comparisons by ANFIS, Angstrom-Prescott and dependency models**
Guclu Y. S., YELEGEN M. O., DABANLI I., Sisman E.
SOLAR ENERGY, vol.109, pp.118-124, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Trend stability identification by three-dimensional model**
Güçlü Y. S.
Modeling Earth Systems and Environment, vol.8, no.3, pp.4333-4340, 2022 (ESCI)
- II. **Trend Analysis Method on Vertical Axis**
Güçlü Y. S.
Doğal Afetler ve Çevre Dergisi, vol.8, no.1, pp.134-141, 2022 (Peer-Reviewed Journal)
- III. **Güneş Işınımı Tahmini için Yeni Bir Yaklaşım: OrtLin Modeli**
Güçlü Y. S.
İklim Değişikliği ve Çevre, vol.5, no.1, pp.26-31, 2020 (Peer-Reviewed Journal)
- IV. **Angström-Prescott Modelinin Polinom ile Geliştirilmesi ve Diyarbakır Güneş Işınımı Verilerine Uygulanması**
Güçlü Y. S.
Selçuk Üniversitesi Mühendislik, Bilim ve Teknoloji Dergisi, vol.7, no.1, pp.75-88, 2019 (Peer-Reviewed Journal)
- V. **İklim Değişikliğinin Anlık Yüksek Akımlara Etkisi**
Güçlü Y. S.
Su Kaynakları, vol.4, no.1, pp.23-30, 2019 (Peer-Reviewed Journal)
- VI. **Kuzey Marmara Otoyolunda dere köprüsü tasarıımı ve uygulaması: Alemdağ dere köprüsü örneği**
Denizolgun F. S., Güçlü Y. S., Şen Z.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, no.2, pp.72-88, 2018 (Peer-Reviewed Journal)
- VII. **Kıyaslamalı Yenilikçi Eğilim Çözümlemesi Temelleri ve Uygulamaları**
Güçlü Y. S.
Doğal Afetler ve Çevre Dergisi, vol.4, no.2, pp.182-191, 2018 (Peer-Reviewed Journal)

Metrics

- Publication: 28
Citation (WoS): 358
Citation (Scopus): 416
H-Index (WoS): 10
H-Index (Scopus): 11