

Öğr. Gör. DENİZ ALAÇAM

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AAH-33994-2021

ScopusID: 56724275700

Yoksis Araştırmacı ID: 291337

Eğitim Bilgileri

Doktora, Georgia State University, School of Arts and Sciences, Mathematics and Statistics, Amerika Birleşik Devletleri
2012 - 2018

Yüksek Lisans, Boston University, School of Arts and Sciences, Mathematics, Amerika Birleşik Devletleri 2009 - 2011

Lisans, Ankara Üniversitesi, Fen Fakültesi, Matematik Bölümü, Türkiye 2003 - 2007

Yabancı Diller

İngilizce, C2 Ustalık

Yaptığı Tezler

Doktora, Modeling rhythm generation in swim central pattern generator of Melibe Leonina, Georgia State University,
2017

Araştırma Alanları

Diferansiyel denklemler, Dinamik Sistemler ve Ergodik Kuramı

Akademik Unvanlar / Görevler

Öğretim Görevlisi, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2018 - Devam Ediyor

Verdiği Dersler

Diferansiyel ve İntegral Hesap, Lisans, 2017 - 2018

Matematik I, Lisans, 2017 - 2018

Temel Matematik, Ön Lisans, 2017 - 2018

Temel Matematik II, Lisans, 2017 - 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A method for capturing dynamic spectral coupling in resting fMRI reveals domain-specific patterns in schizophrenia**
Alacam D., Miller R., Agcaoglu O., Preda A., Ford J., Calhoun V.
FRONTIERS IN NEUROSCIENCE, cilt.17, 2023 (SCI-Expanded)
- II. **A mathematical model of *Chenopodium album* L. dynamics under copper-induced stress**
Gonzalez-Ramirez L. R., ALAÇAM D., AKPINAR A.
ECOLOGICAL MODELLING, cilt.469, 2022 (SCI-Expanded)
- III. **Dynamics and bifurcations in multistable 3-cell neural networks**
Collens J., Pusuluri K., Kelley A., Knapper D., Xing T., Basodi S., ALAÇAM D., Shilnikov A. L.
CHAOS, cilt.30, sa.7, 2020 (SCI-Expanded)
- IV. **Making a Swim Central Pattern Generator Out of Latent Parabolic Bursters**
Alacam D., Shilnikov A.
INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS, cilt.25, sa.7, 2015 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A Multi-dimensional Joint ICA Model with Gaussian Copula**
Agcaoglu O., Silva R. F., Alacam D., Calhoun V.
Workshops hosted by the 22nd International Conference on Image Analysis and Processing, ICIAP 2023, Udine, İtalya, 11 - 15 Eylül 2023, cilt.14366, ss.152-163
- II. **Dynamical Systems and Bifurcation Theory**
ALAÇAM D.
Complex Systems and Data Science Workshop, İstanbul, Türkiye, 18 - 19 Mayıs 2019
- III. **Intrinsic Mechanisms for Rhythm Generations in Central Pattern Generators**
ALAÇAM D., Shilnikov A.
School and Workshop on Patterns of Synchrony: Chimera States, Trieste, İtalya, 6 - 18 Mayıs 2019
- IV. **Modeling Sea Slug Swim Central Pattern Generators of *Melibe Leonina***
ALAÇAM D., Shilnikov A.
Volga Neuroscience Meeting, Nizhniy-Novgorod, Rusya, 22 - 27 Temmuz 2018
- V. **Modeling Sea Slug Swim Central Pattern Generators of *Melibe Leonina*,**
ALAÇAM D., Shilnikov A.
Dynamics Bifurcations Chaos V, Nizhniy-Novgorod, Rusya, 16 - 20 Temmuz 2018
- VI. **Bifurcation Theory and Phase-Lag Variance in 3-Node Neuronal Networks**
Collens J., ALAÇAM D., Kelly A., Xing T., Shilnikov A.
SIAM Conference on Applications of Dynamical Systems, Salt Lake City, Amerika Birleşik Devletleri, 21 - 25 Mayıs 2017
- VII. **Saga of Modeling *Melibe* Swim CPG,**
ALAÇAM D., Shilnikov A.
SIAM Conference on Applications of Dynamical Systems, Salt Lake City, Amerika Birleşik Devletleri, 21 - 25 Mayıs 2017
- VIII. **Network Bursting in Sea Slug Swim CPGs**
ALAÇAM D., Katz P., Sakurai A., Shilnikov A.
IEEE International Workshop on Complex Systems and Networks, Atlanta, Amerika Birleşik Devletleri, 14 - 15 Kasım 2016

- IX. Polyrhythmic and recurrent pattern generation in three-node CPG networks**
Collens J., ALAÇAM D., Knapper D., Xing T., Kelly A., Schwabedal J., Shilnikov A.
Emory University Poster Padooza, Atlanta, Amerika Birleşik Devletleri, 05 Ekim 2016
- X. Stability and bifurcations of rhythms in neuronal networks**
ALAÇAM D., Shilnikov A.
American Institute of Mathematical Science Conference, Orlando, Amerika Birleşik Devletleri, 1 Temmuz - 05 Mayıs 2016
- XI. Network Bursting in Swim CPGs**
ALAÇAM D., Shilnikov A.
Brain Behavior Annual Retreat, Atlanta, Amerika Birleşik Devletleri, 22 Nisan 2016
- XII. Phase-lag variance and bifurcation theory in neural networks**
Collens J., ALAÇAM D., Knapper D., Shilnikov A.
Brain Behavior Annual Retreat, Atlanta, Amerika Birleşik Devletleri, 22 Nisan 2016
- XIII. Network Bursting in the Melibe Swim CPG**
ALAÇAM D., Shilnikov A.
Annual Meeting of the Society for Mathematical Biology, Atlanta, Amerika Birleşik Devletleri, 30 Haziran - 03 Temmuz 2015
- XIV. Intrinsic Mechanisms for Pattern Generation in Three-Node Networks**
Collens J., Kelly A., ALAÇAM D., Xing T., Knapper D., Schwabedal J., Shilnikov A.
SIAM Conference on Applications of Dynamical Systems, Salt Lake City, Amerika Birleşik Devletleri, 17 - 21 Mayıs 2015
- XV. Making Half Center Oscillators Out of Parabolic Non-Bursters**
ALAÇAM D., Shilnikov A.
SIAM Conference on Applications of Dynamical Systems, Salt Lake City, 17 - 21 Mayıs 2015
- XVI. Parabolic Bursting in Swim CPG Models**
ALAÇAM D., Shilnikov A.
Georgia State University Brain Behavior Annual Retreat, Atlanta, Amerika Birleşik Devletleri, 20 Nisan 2015
- XVII. Parabolic Network Bursting in Inhibitory Neural Circuits**
ALAÇAM D., Shilnikov A.
Georgia Scientific Computing Symposium, Atlanta, Amerika Birleşik Devletleri, 28 Şubat 2015
- XVIII. Network Bursting in Inhibitory Neural Circuits,**
ALAÇAM D., Shilnikov A.
SIAM Conference on the Life Sciences, Charlottetown, Kanada, 4 - 07 Ağustos 2014
- XIX. Latent Bursters in Swim CPGs**
ALAÇAM D., Shilnikov A.
Brain Modes, Atlanta, Amerika Birleşik Devletleri, 10 Aralık 2015 - 11 Aralık 2011

Metrikler

Yayın: 23

Atf (WoS): 6

Atf (Scopus): 7

H-İndeks (WoS): 1

H-İndeks (Scopus): 1