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Eğitim Bilgileri

Doktora, Azerbaycan Bilimler Akademisi, Azerbaycan 1990 - 1995

Yüksek Lisans, Lomonosov Moskova Devlet Üniversitesi, Rusya 1983 - 1985

Lisans, Moskova M.V. Lomonosov Moskova Devlet Üniversitesi, Fizik Fakültesi, Rusya
1979 - 1983

Yabancı Diller

Rusça, B2 Orta Üstü

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Ankara Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - Devam Ediyor

Prof. Dr., Azerbaycan Bilimler Akademisi, 2000 - 2007

Araştırma Görevlisi, Moskova M.V. Lomonosov Moskova Devlet Üniversitesi, 1979 - 1985

Akademik İdari Deneyim

Merkez Müdür Yardımcısı, Ankara Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022 - Devam Ediyor

Bölüm Başkanı, 2012 - Devam Ediyor

Anabilim/Bilim Dalı Başkanı, 2007 - Devam Ediyor

Verdiği Dersler

Sayısal yöntemler ve uygulamaları, Lisans, 2022 - 2023
Araştırma teknikleri, Lisans, 2021 - 2022
Sayısal yöntemler ve uygulamaları, Lisans, 2022 - 2023
Research Technique, Lisans, 2022 - 2023
Otomata teorisi, Lisans, 2021 - 2022
Research Technique, Lisans, 2021 - 2022
Sayısal yöntemler ve uygulamaları, Lisans, 2022 - 2023
Sayısal yöntemler, Yüksek Lisans, 2022 - 2023
Hesaplama teorisi, Doktora, 2021 - 2022

Yönetilen Tezler

Askerbeyli İ., BİLİMSEL MATERYALLER İÇİN SORU- CEVAP SOHBET ROBOTU TASARIMI VE UYGULAMASI GELİŞTİRİLMESİ, Yüksek Lisans, H.HAKAN(Öğrenci), 2024
Askerbeyli İ., Analysis of network security using machine learning methods, Doktora, M.SALATI(Öğrenci), 2024
Askerbeyli İ., Yazılım Tanımlı Ağlarda Hibrit Derin Öğrenme Yaklaşımları Kullanılarak Ağ Saldırı Tespit Sistemi, Doktora, R.BEN(Öğrenci), 2024
Askerbeyli İ., Application of fuzzy logic and machine learning methods for food quality control, Doktora, Z.Nasih(Öğrenci), 2023
Askerbeyli İ., Öz denetimli yöntemlerle görsel özellik ayrıştırma, Yüksek Lisans, A.AKIN(Öğrenci), 2023
Askerbeyli İ., Bilgisayar oyunlarında makine öğrenmesi yöntemlerinin kullanılması, Yüksek Lisans, H.OĞUZ(Öğrenci), 2022
Askerbeyli İ., Derin öğrenme ile covid-19, beyaz kan hücreleri, tüberküloz ve kalp krizi riskinin analizi, Doktora, Ö.SEVİNÇ(Öğrenci), 2022
Askerbeyli İ., Bütçe ve zaman kısıtlı turist rotalama problemi, Yüksek Lisans, İ.YILMAZ(Öğrenci), 2022
ASKERBEYLİ İ., Derin öğrenme yöntemleri kullanılarak giyilebilir sensörlerden kişi tanıma, Doktora, Ş.KILIÇ(Öğrenci), 2021
ASKERBEYLİ İ., Sanal Para Pazarlarındaki Manipülatörlerin Makine Öğrenimi Yöntemleri Kullanılarak Tespiti, Doktora, F.AKBA(Öğrenci), 2021
ASKERBEYLİ İ., Veri madenciliği teknikleri kullanarak suç analizi ve önleme, Yüksek Lisans, S.SIENTCHANWA(Öğrenci), 2020
ASKERBEYLİ İ., Hareketli nesnelerde algılanması güç olan değişimlerin video büyütme yöntemiyle tespiti ve derin öğrenme ile analizi, Doktora, A.ASIM(Öğrenci), 2020
ASKERBEYLİ İ., Bulanık mantık tabanlı iklimlendirme sistemi, Yüksek Lisans, E.KANSU(Öğrenci), 2018
ASKERBEYLİ İ., Akciğer hastalıkları teşhisinde sınıflandırma ve bulanık mantık yöntemlerinin uygulanması, Yüksek Lisans, H.KAYA(Öğrenci), 2018
ASKERBEYLİ İ., Gıda kalitesi kontrolünde bulanık mantık yöntemlerinin uygulanması, Yüksek Lisans, A.EMRE(Öğrenci), 2017
ASKERBEYLİ İ., Zamana bağlı oryantiring probleminin genetik algoritma kullanılarak çözümü, Yüksek Lisans, M.BEHDADNIA(Öğrenci), 2016
TANRIÖVER Ö. Ö., ASKERBEYLİ İ., Yazılım proje riskleri için bir karar destek yöntemi ve yazılım prototipi, Yüksek Lisans, S.VAHIDNIA(Öğrenci), 2016
ASKERBEYLİ İ., Arıza kaldırabilir yonga-üstü-ağlar için topoloji oluşturma, uygulama eşleme ve yönlendirme algoritmalarının tasarlanması, Yüksek Lisans, V.BABAEI(Öğrenci), 2015
ASKERBEYLİ İ., Bulanık uzman sistemler kullanılarak tıpta hastalık teşhisi, Yüksek Lisans, N.ZIASABOUNCHI(Öğrenci), 2014
ASKERBEYLİ İ., Bulanık mantık yöntemleri kullanılarak gazlı içeceklerde karbondioksit kontrolü, Yüksek Lisans, J.S.ABDULJABAR(Öğrenci), 2011
ASKERBEYLİ İ., İletişim ağ problemlerinin çözümünde neuro- fuzzy yaklaşımı, Yüksek Lisans, F.AYBİKE(Öğrenci), 2011
ASKERBEYLİ İ., Bulanık mantık kullanılarak trafik kontrolünün tasarımı ve uygulaması, Yüksek Lisans, M.S.(Öğrenci),

2010

ASKERZADE İ., MAGNEZYUM DİBORİDE (MgB₂)' NİN KRİTİK SICAKLIĞININ İKİ BANTLI ELİASHBERG TEORİSİ İLE İNCELENMESİ, D.KANBUR(Öğrenci), 2007

ASKERZADE İ., MgB₂ tek kristali için kritik manyetik alanın iki bantlı anizotropik Ginzburg-Landau teorisi ile incelenmesi, H.ŞAHİN(Öğrenci), 2005

Jüri Üyelikleri

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama-Yardımcı Doçentlik, Ankara Üniversitesi, Ağustos, 2024

Doçentlik Sınavı, Doçentlik Sınavı, Ankara Üniversitesi, Mayıs, 2024

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Ankara Üniversitesi, Mayıs, 2024

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, İskenderun Teknik Üniversitesi, Mart, 2024

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama-Yardımcı Doçentlik, Ankara Üniversitesi, Şubat, 2024

Tez Savunma (Doktora), Tez Savunma (Doktora), Ankara Üniversitesi, Şubat, 2024

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama-Yardımcı Doçentlik, Ankara Üniversitesi, Şubat, 2024

Tez Savunma (Doktora), Tez Savunma (Doktora), Ankara Üniversitesi, Ocak, 2024

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Ankara Üniversitesi, Temmuz, 2023

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Mayıs, 2023

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Artvin Çoruh Üniversitesi, Mayıs, 2023

Akademik Kadroya Atama-Doçentlik, Akademik Kadroya Atama-Doçentlik, Ankara Üniversitesi, Mart, 2023

Tez Savunma (Doktora), Tez Savunma (Doktora), Ankara Üniversitesi, Şubat, 2023

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Ankara Üniversitesi, Şubat, 2023

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Ankara Üniversitesi, Şubat, 2023

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Ocak, 2023

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Aralık, 2022

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Ankara Üniversitesi, Ekim, 2022

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Ankara Üniversitesi, Eylül, 2022

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama-Yardımcı Doçentlik, Ankara Üniversitesi, Eylül, 2022

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama-Yardımcı Doçentlik, Ankara Üniversitesi, Ağustos, 2022

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Ankara Üniversitesi, Ağustos, 2022

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Ağustos, 2022

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Temmuz, 2022

Tez Savunma (Doktora), Tez Savunma (Doktora), Ankara Üniversitesi, Temmuz, 2022

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Haziran, 2022

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Haziran, 2022

Doçentlik Sınavı, Doçentlik Sınavı, Ankara Üniversitesi, Mayıs, 2022

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Ankara Üniversitesi, Mayıs, 2022

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Ankara Üniversitesi, Şubat, 2022

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Ankara Üniversitesi, Şubat, 2022

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, Ankara Üniversitesi, Ocak, 2022

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama, Ankara Üniversitesi, Haziran, 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Escape rate in small Josephson junctions with the Coulomb blockade**
ASKERBEYLİ İ.
Low Temperature Physics, cilt.50, sa.11, ss.962-964, 2024 (SCI-Expanded)
- II. **Influence of anharmonic and frustration effects on the Josephson flux qubit spectrum**
Askerbeyli İ.
LOW TEMPERATURE PHYSICS, cilt.50, sa.11, ss.1077-1081, 2024 (SCI-Expanded)
- III. **Convolutional neural network models using metaheuristic based feature selection method for intrusion detection Saldırı tespiti için metasezgisel tabanlı özellik seçim yöntemi kullanan evrişimli sinir ağı modelleri**
Salati M., ASKERBEYLİ İ., BOSTANCI G. E.
Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.40, sa.1, ss.179-188, 2024 (SCI-Expanded)
- IV. **Escape rate in ac SQUID on josephson junction based on single- and multi-band superconductors in thermal activation regime**
Aydin A., Askerbeyli İ., Askerbeyli R.
LOW TEMPERATURE PHYSICS, cilt.49, sa.9, ss.1005-1008, 2023 (SCI-Expanded)
- V. **Discrete sine-Gordon equation on metric graphs: A simple model for Josephson junction networks**
Akramov M. E., Yusupov J. R., Askerbeyli İ., Matrasulov D. U.
PHYSICA SCRIPTA, cilt.230105446, sa.2301.05446, ss.1-7, 2023 (SCI-Expanded)
- VI. **Frustration Effect on Penetration Depth in Long Josephson Junctions Between Single- and Multi-band Superconductors**
Askerzade İ., Matrasulov D., Salati M.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.35, sa.10, ss.2749-2754, 2022 (SCI-Expanded)
- VII. **Influence of anharmonic current-phase relation on the time resolution of Josephson balanced comparator**
Askerzade İ., Ulku I.
LOW TEMPERATURE PHYSICS, cilt.48, sa.9, ss.696-699, 2022 (SCI-Expanded)
- VIII. **Effect of unconventional current-phase relation of Josephson junction on escape rate in ac SQUID**
Askerzade İ., Askerbeyli R. T., ÜLKÜ İ.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.598, 2022 (SCI-Expanded)
- IX. **An Effective Medical Image Classification: Transfer Learning Enhanced by Auto Encoder and Classified with SVM**
Sevinç Ö., Mehrubeoglu M., Güzel M. S., Askerzade İ.
TRAITEMENT DU SIGNAL, cilt.39, sa.1, ss.125-131, 2022 (SCI-Expanded)
- X. **Return current of dc SQUID based on tunnel Josephson junctions with unconventional current-phase relation**
ASKERBEYLİ İ., Askerbeyli R.
LOW TEMPERATURE PHYSICS, cilt.47, sa.5, ss.392-395, 2021 (SCI-Expanded)
- XI. **A New Approach for Human Recognition Through Wearable Sensor Signals**
Kilic S., Kaya Y., Askerbeyli İ.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.46, sa.4, ss.4175-4189, 2021 (SCI-Expanded)
- XII. **Frustration effect on escape rate in Josephson junctions between single-band and three-band superconductors in the macroscopic quantum tunneling regime**
ASKERBEYLİ İ., AYDIN A.
LOW TEMPERATURE PHYSICS, cilt.47, sa.4, ss.282-286, 2021 (SCI-Expanded)
- XIII. **Estimation Model for Bread Quality Proficiency Using Fuzzy Weighted Relevance Vector Machine Classifier**
Ali Z. N., Askerbeyli İ., Abdulwahab S.
APPLIED BIONICS AND BIOMECHANICS, cilt.2021, 2021 (SCI-Expanded)

- XIV. **Effect of Zn on thermoelectric power in superconducting $\text{Bi}_2\text{Sr}_{2-x}\text{Ca}_x\text{Zn}_{1-x}\text{Cu}_2\text{O}_{8+y}$ compounds**
Ragimov S., ASKERBEYLİ İ., Agaeva G.
Fizika Nizkikh Temperatur, cilt.47, sa.2, ss.120-125, 2021 (SCI-Expanded)
- XV. **Effect of Zn on thermoelectric power in superconducting $\text{Bi}_2\text{Sr}_2\text{Ca}_x\text{Zn}_{1-x}\text{Cu}_2\text{O}_{8+y}$ compounds**
Ragimov S. S., Askerzade İ., Agaeva G.
Low Temperature Physics, cilt.47, sa.2, ss.106-109, 2021 (SCI-Expanded)
- XVI. **Manipulator Detection in Cryptocurrency Markets Based on Forecasting Anomalies**
Akba F., Medeni İ. T., Güzel M. S., Askerbeyli İ.
IEEE ACCESS, cilt.9, ss.108819-108831, 2021 (SCI-Expanded)
- XVII. **White Blood Cell Classification Using Genetic Algorithm\Enhanced Deep Convolutional Neural Networks**
ASKERBEYLİ İ., GÜZEL M. S., SEVİNÇ Ö., Mehrubeoglu M.
Transactions on Computational Science and Computational Intelligence", "Advances in Artificial Intelligence and Applied Cognitive Computing, 2021 (SCI-Expanded)
- XVIII. **Influence of Unconventional Current-Phase Relation on Return Current of Tunnel Josephson Junctions**
ASKERBEYLİ İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.33, sa.11, ss.3407-3410, 2020 (SCI-Expanded)
- XIX. **Critical current of dc SQUID on Josephson junctions with unconventional current-phase relation**
ASKERBEYLİ İ., Askerbeyli R. T.
LOW TEMPERATURE PHYSICS, cilt.46, sa.9, ss.919-922, 2020 (SCI-Expanded)
- XX. **Escape rate in Josephson junctions between single -band and two -band superconductors**
Askerzade İ.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.574, 2020 (SCI-Expanded)
- XXI. **Using ResNet Transfer Deep Learning Methods in Person Identification According to Physical Actions**
Kilic S., Askerbeyli İ., Kaya Y.
IEEE ACCESS, cilt.8, ss.220364-220373, 2020 (SCI-Expanded)
- XXII. **A Novel Action Recognition Framework Based on Deep-Learning and Genetic Algorithms**
Yilmaz A. A., Güzel M. S., Bostancı G. E., Askerbeyli İ.
IEEE ACCESS, cilt.8, ss.100631-100644, 2020 (SCI-Expanded)
- XXIII. **The Influence of Zn on Superconducting Properties of $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{Cu}_2\text{O}_X$**
Ragimov S. S., Askerzade İ., Agayeva G. I.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.32, sa.10, ss.3033-3036, 2019 (SCI-Expanded)
- XXIV. **Effects of Thermal Fluctuations on Dynamics of Josephson Junction with Unconventional Current-Phase Relation**
Askerzade İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.32, sa.10, ss.3149-3154, 2019 (SCI-Expanded)
- XXV. **Influence of unconventional current-phase relation of Josephson junction on the escape rate in macroscopic quantum tunneling regime**
Askerzade İ.
LOW TEMPERATURE PHYSICS, cilt.45, sa.10, ss.1072-1075, 2019 (SCI-Expanded)
- XXVI. **Effect of thermal fluctuations on dynamics of small Josephson junctions**
Askerzade İ.
MODERN PHYSICS LETTERS B, cilt.33, sa.25, 2019 (SCI-Expanded)
- XXVII. **BCS Superconductivity of Dirac Electrons in Graphene Monolayer**
Askerbeyli R. T. T., Askerzade İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.32, sa.7, ss.1871-1874, 2019 (SCI-Expanded)
- XXVIII. **Angular Dependence of the Critical Current Density in Two-Band Ginzburg-Landau Theory**
Askerzade İ., Guzel M. S.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.32, sa.7, ss.1921-1926, 2019 (SCI-Expanded)

- XXIX. **Plasmon spectrum of graphene monolayer on substrate**
Askerzade İ., Askerbeyli R. T.
MODERN PHYSICS LETTERS B, cilt.33, sa.9, 2019 (SCI-Expanded)
- XXX. **The effect of electron density fluctuations on critical temperature in layered superconductors with arbitrary thickness of conducting layer**
Askerzade İ.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.547, ss.27-29, 2018 (SCI-Expanded)
- XXXI. **Oxygen Isotope Exponent as a Function of the Numbers of CuO₂ Layers in Optimally Doped Superconductors Bi₂Sr₂Ca_{n-1}(n)O_{2n+4+δ} (n=1, 2, 3)**
Askerzade İ., Askerbeyli R. T. T.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.31, sa.4, ss.1043-1046, 2018 (SCI-Expanded)
- XXXII. **The influence of thermal fluctuations on Coulomb blockade edge in small Josephson junctions with linear growing of voltage**
Askerzade İ.
LOW TEMPERATURE PHYSICS, cilt.44, sa.3, ss.210-212, 2018 (SCI-Expanded)
- XXXIII. **Anisotropy of Critical Current Density in LiFeAs Using Two-Band Ginzburg-Landau Theory**
Askerzade İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.30, sa.6, ss.1655-1658, 2017 (SCI-Expanded)
- XXXIV. **Superconducting Quantum Bits**
Askerzade İ., BOZBEY A., Canturk M.
MODERN ASPECTS OF JOSEPHSON DYNAMICS AND SUPERCONDUCTIVITY ELECTRONICS, ss.119-142, 2017 (SCI-Expanded)
- XXXV. **Modern Aspects of Josephson Dynamics and Superconductivity Electronics Preface**
Askerzade İ., BOZBEY A., Canturk M.
MODERN ASPECTS OF JOSEPHSON DYNAMICS AND SUPERCONDUCTIVITY ELECTRONICS, 2017 (SCI-Expanded)
- XXXVI. **Analog Superconductivity Electronics**
ASKERBEYLİ İ., BOZBEY A., Canturk M.
MODERN ASPECTS OF JOSEPHSON DYNAMICS AND SUPERCONDUCTIVITY ELECTRONICS, ss.49-88, 2017 (SCI-Expanded)
- XXXVII. **Foundations of Josephson Junction Dynamics**
ASKERBEYLİ İ., BOZBEY A., Canturk M.
MODERN ASPECTS OF JOSEPHSON DYNAMICS AND SUPERCONDUCTIVITY ELECTRONICS, ss.1-48, 2017 (SCI-Expanded)
- XXXVIII. **Chaotic Phenomena in Josephson Systems**
Askerzade İ., BOZBEY A., Canturk M.
MODERN ASPECTS OF JOSEPHSON DYNAMICS AND SUPERCONDUCTIVITY ELECTRONICS, ss.143-172, 2017 (SCI-Expanded)
- XXXIX. **Digital Superconductivity Electronics**
ASKERBEYLİ İ., BOZBEY A., Canturk M.
MODERN ASPECTS OF JOSEPHSON DYNAMICS AND SUPERCONDUCTIVITY ELECTRONICS, ss.89-118, 2017 (SCI-Expanded)
- XL. **Dynamic properties of a Josephson junction balanced comparator with Coulomb blockade**
Askerzade İ.
TECHNICAL PHYSICS, cilt.61, sa.9, ss.1427-1429, 2016 (SCI-Expanded)
- XLI. **Fluctuation conductivity in two-band superconductor SmFeAsO_{0.8}F_{0.2}**
Askerzade İ., Askerbeyli R. T. T.
MATERIALS SCIENCE-POLAND, cilt.33, sa.3, ss.644-648, 2015 (SCI-Expanded)
- XLII. **Energy spectrum of a Josephson-junction qubit with an anharmonic current-phase relationship**
Askerzade İ., Hashimoglu I.
TECHNICAL PHYSICS, cilt.60, sa.9, ss.1402-1404, 2015 (SCI-Expanded)
- XLIII. **Thermodynamics of noninteracting bosonic gases in cubic optical lattices versus ideal homogeneous**

Bose gases

Rakhimov A., Askerzade İ.

INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.29, sa.18, 2015 (SCI-Expanded)

- XLIV. **Effects of anharmonicity of current-phase relation in Josephson junctions**
Askerzade İ.
LOW TEMPERATURE PHYSICS, cilt.41, sa.4, ss.241-259, 2015 (SCI-Expanded)
- XLV. **Chaotic Dynamics of a Fractal Josephson Junction**
Canturk M., Askerzade İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.28, sa.2, ss.303-307, 2015 (SCI-Expanded)
- XLVI. **Fluctuation of Diamagnetic Susceptibility in Two-band Superconductors**
Askerzade İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.28, sa.2, ss.319-322, 2015 (SCI-Expanded)
- XLVII. **Vortex Lattice in LiFeAs Superconductor in the Two-Band Ginzburg-Landau Model**
Askerzade İ.
TECHNICAL PHYSICS, cilt.59, sa.11, ss.1728-1731, 2014 (SCI-Expanded)
- XLVIII. **Specific heat jump of two-band superconductor KFe₂As₂ using Ginzburg-Landau theory**
Askerzade İ.
MATERIALS SCIENCE-POLAND, cilt.32, sa.3, ss.465-469, 2014 (SCI-Expanded)
- XLIX. **Critical temperature of noninteracting bosonic gases in cubic optical lattices at arbitrary integer fillings**
Rakhimov A., Askerzade İ.
PHYSICAL REVIEW E, cilt.90, sa.3, 2014 (SCI-Expanded)
- L. **Time resolution of Josephson balanced comparators with shunt resistance**
ASKERBEYLİ İ.
Automatic Control and Computer Sciences, cilt.48, sa.4, ss.239-242, 2014 (SCI-Expanded)
- LI. **Temperature dependence of the anisotropy parameter of the LiFeAs upper critical field in the two-band Ginzburg-Landau theory**
Askerzade İ., Guclu N., Tagiyeva R. T.
TECHNICAL PHYSICS, cilt.58, sa.6, ss.888-891, 2013 (SCI-Expanded)
- LII. **Anisotropy Parameters of Critical Fields in LiFeAs Using Two-Band Ginzburg-Landau Theory**
Askerzade İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.26, sa.5, ss.1903-1907, 2013 (SCI-Expanded)
- LIII. **Chaotic Dynamics of Externally Shunted Josephson Junction with Unharmonic CPR**
Canturk M., Askerzade İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.26, sa.4, ss.839-843, 2013 (SCI-Expanded)
- LIV. **Dependence of critical temperature on carrier density in NdFeAsO_{1-y} using BCS theory**
Askerzade İ., Tagiyeva R. T., Guclu N.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, cilt.7, sa.3-4, ss.276-278, 2013 (SCI-Expanded)
- LV. **Numerical Study of I-V Characteristics of Externally Shunted Josephson Junctions With Unharmonic Current-Phase Relation**
Canturk M., Askerzade İ.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, cilt.22, sa.6, 2012 (SCI-Expanded)
- LVI. **Angular effects on upper critical field in LiFeAs using two-band Ginzburg-Landau theory**
Askerzade İ., Tagiyeva (Askerbeyli) R. T.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.25, sa.9, 2012 (SCI-Expanded)
- LVII. **Preface**
Askerbeyli İ.
Springer Series in Materials Science, cilt.153, 2012 (SCI-Expanded)
- LVIII. **Numerical simulation of the vortex dynamics in the two-band Ginzburg-Landau model**
Askerzade İ.

- TECHNICAL PHYSICS, cilt.57, sa.1, ss.131-133, 2012 (SCI-Expanded)
- LIX. **Numerical Study of Josephson Junction Qubits With an Unharmonic Current-Phase Relation**
Canturk M., Askerzade İ.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, cilt.21, sa.5, ss.3541-3547, 2011 (SCI-Expanded)
- LX. **Strong Solutions of the Fuzzy Linear Systems**
EMRAH Ş., Askerzade İ.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, cilt.76, sa.3-4, ss.207-216, 2011 (SCI-Expanded)
- LXI. **Splitting of the Energy Level of a Josephson-Junction Qubit with an Anharmonic Current-Phase Relation**
Askerzade İ.
TECHNICAL PHYSICS, cilt.56, sa.5, ss.744-746, 2011 (SCI-Expanded)
- LXII. **Critical current density of a YNi₂B₂C superconductor in the two-band Ginzburg-Landau model**
Askerzade İ., Hashimoglu I.
TECHNICAL PHYSICS, cilt.56, sa.4, ss.557-559, 2011 (SCI-Expanded)
- LXIII. **Fluctuation of Specific Heat in Two-Band Superconductors**
Askerzade İ.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.24, sa.1-2, ss.275-278, 2011 (SCI-Expanded)
- LXIV. **Alternative numerical modeling of a superconducting charge qubit as an eigenvalue problem**
Canturk M., KURT E., Askerzade İ.
COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, cilt.30, sa.2, ss.775-792, 2011 (SCI-Expanded)
- LXV. **Fuzzy Optimization of Multivariable Fuzzy Functions**
EMRAH Ş., Askerzade İ.
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, cilt.70, sa.1, ss.1-9, 2010 (SCI-Expanded)
- LXVI. **Thermoelectromotive force in Bi₂Sr₂Ca₂Cu₄O₁₁ bismuth-based high-temperature superconductor**
Ragimov S. S., Askerzade İ.
TECHNICAL PHYSICS, cilt.55, sa.10, ss.1538-1539, 2010 (SCI-Expanded)
- LXVII. **Numerical simulation of vortex nucleation in the two-band Ginzburg-Landau model**
Askerzade İ.
TECHNICAL PHYSICS, cilt.55, sa.6, ss.896-899, 2010 (SCI-Expanded)
- LXVIII. **Pressure and Doping Effects on Critical Temperature in MgB₂ and Nonmagnetic Borocarbides within Two-Band Eliashberg Theory**
Askerzade İ.
COMMUNICATIONS IN THEORETICAL PHYSICS, cilt.53, sa.6, ss.1181-1184, 2010 (SCI-Expanded)
- LXIX. **Phase qubit on a superconducting single-junction interferometer**
Askerzade İ., EMRAH Ş.
TECHNICAL PHYSICS LETTERS, cilt.36, sa.2, ss.93-95, 2010 (SCI-Expanded)
- LXX. **AN IMPLEMENTATION OF AUTOMATIC CONTOUR LINE EXTRACTION FROM SCANNED DIGITAL TOPOGRAPHIC MAPS**
SAMET R., Askerzade İ., Varol C.
APPLIED AND COMPUTATIONAL MATHEMATICS, cilt.9, sa.1, ss.116-127, 2010 (SCI-Expanded)
- LXXI. **Study of layered superconductors in the theory of an electron-phonon coupling mechanism**
Askerzade İ.
PHYSICS-USPEKHI, cilt.52, sa.10, ss.977-988, 2009 (SCI-Expanded)
- LXXII. **Fluctuation conductivity of Bi₂Sr₂CaCu₂O_{8+δ} in a two-band superconductivity model**
Askerzade İ., Ragimov S. S.
TECHNICAL PHYSICS LETTERS, cilt.35, sa.6, ss.521-523, 2009 (SCI-Expanded)
- LXXIII. **Anisotropy of Critical Fields in MgB₂: Two-Band Ginzburg-Landau Theory for Layered Superconductors**
Askerzade İ., Tanatar B.
COMMUNICATIONS IN THEORETICAL PHYSICS, cilt.51, sa.3, ss.563-569, 2009 (SCI-Expanded)

- LXXIV. **Transfer characteristic of a Goto pair in small-size Josephson junctions**
Askerzade İ., SAMET R.
TECHNICAL PHYSICS LETTERS, cilt.34, sa.9, ss.737-739, 2008 (SCI-Expanded)
- LXXV. **Nonlinear temperature dependence of magnetization of two-band superconductors near upper critical field**
Askerzade İ.
COMMUNICATIONS IN THEORETICAL PHYSICS, cilt.48, sa.5, ss.949-952, 2007 (SCI-Expanded)
- LXXVI. **Plasma frequency of the tunnel Josephson junctions with anharmonic current-phase relationship**
Askerzade İ.
TECHNICAL PHYSICS LETTERS, cilt.33, sa.9, ss.723-725, 2007 (SCI-Expanded)
- LXXVII. **Angular dependence of upper critical field in two-band Ginzburg-Landau theory**
Askerzade İ., Tanatar B.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.459, sa.1-2, ss.56-61, 2007 (SCI-Expanded)
- LXXVIII. **Critical temperature of two-band superconductors in intermediate e-ph coupling: The case of MgB₂**
Askerzade İ.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.68, sa.7, ss.1311-1314, 2007 (SCI-Expanded)
- LXXIX. **Temperature dependence of critical currents of two-gap superconductors**
Sahin H., Askerzade İ.
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, cilt.36, sa.3, ss.267-270, 2006 (SCI-Expanded)
- LXXX. **Ginzburg-Landau theory: the case of two-band superconductors**
Askerzade İ.
PHYSICS-USPEKHI, cilt.49, sa.10, ss.1003-1016, 2006 (SCI-Expanded)
- LXXXI. **Critical temperature of layered superconductors in intermediate e-ph coupling: Application to MgB₂**
Askerzade İ.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.20, sa.21, ss.3093-3099, 2006 (SCI-Expanded)
- LXXXII. **Josephson-effect samplers: A review**
Askerzade İ.
TECHNICAL PHYSICS, cilt.51, sa.4, ss.393-400, 2006 (SCI-Expanded)
- LXXXIII. **Pair-breaking critical current density of two-band superconductor MgB₂**
Askerzade İ.
COMMUNICATIONS IN THEORETICAL PHYSICS, cilt.44, sa.4, ss.749-751, 2005 (SCI-Expanded)
- LXXXIV. **Plasma modes in layered superconductors**
Askerzade İ., Tanatar B.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.420, sa.1-2, ss.11-16, 2005 (SCI-Expanded)
- LXXXV. **The effect of fluctuations on a single-contact interferometer: Quantum considerations**
Askerzade İ.
TECHNICAL PHYSICS LETTERS, cilt.31, sa.8, ss.680-681, 2005 (SCI-Expanded)
- LXXXVI. **The effect of alternating current on the plasma frequency of the tunnel Josephson junctions**
Askerzade İ.
TECHNICAL PHYSICS LETTERS, cilt.31, sa.7, ss.622-623, 2005 (SCI-Expanded)
- LXXXVII. **Anisotropy of the upper critical field in MgB₂: The two-band Ginzburg-Landau theory**
Askerzade İ.
JETP LETTERS, cilt.81, sa.11, ss.583-586, 2005 (SCI-Expanded)
- LXXXVIII. **Nonlinear thermodynamic magnetic field and specific heat of two-band superconductors in the Ginzburg-Landau theory**
Askerzade İ.
ACTA PHYSICA SLOVACA, cilt.54, sa.6, ss.535-540, 2004 (SCI-Expanded)
- LXXXIX. **The upper critical field of thin films of two-band superconductors: An application to MgB₂**
Askerzade İ.
MODERN PHYSICS LETTERS B, cilt.18, sa.30, ss.1525-1531, 2004 (SCI-Expanded)
- XC. **Effect of Coulomb repulsion on the critical temperature in layered superconductors with arbitrary**

layer thicknesses

Askerzade İ.

JOURNAL OF THE KOREAN PHYSICAL SOCIETY, cilt.45, sa.2, ss.475-478, 2004 (SCI-Expanded)

- XCI. **Temperature dependence of the critical current density of superconductors in two-band Ginzburg-Landau theory: Application to MgB₂**
Askerzade İ.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.18, sa.13, ss.1931-1936, 2004 (SCI-Expanded)
- XCII. **Harmonic generation in an Ag-clad bulk BSCCO superconductor**
Guclu N., Kilic A., Askerzade İ., Gencer A.
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, cilt.201, sa.5, ss.995-1000, 2004 (SCI-Expanded)
- XCIII. **Ginzburg-Landau equations for two-band superconductors: Application to MgB₂, LuNi₂B₂C and YNi₂B₂C**
Askerzade İ.
PHYSICA SCRIPTA, cilt.69, sa.3, ss.234-243, 2004 (SCI-Expanded)
- XCIV. **The effect of alternating current on the thermal activation threshold of the tunnel Josephson junctions**
Askerzade İ.
TECHNICAL PHYSICS LETTERS, cilt.30, sa.10, ss.857-858, 2004 (SCI-Expanded)
- XCV. **Order parameter anisotropy of MgB₂ using specific heat jump of layered superconductors**
Askerzade İ.
PRAMANA-JOURNAL OF PHYSICS, cilt.61, sa.6, ss.1145-1149, 2003 (SCI-Expanded)
- XCVI. **Effects of the superconductivity transition on the response of YBCO edge transition bolometers**
Bozbey A., Fardmanesh M., Askerzade İ., Banzet M., Schubert J.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.16, sa.12, ss.1554-1558, 2003 (SCI-Expanded)
- XCVII. **Ginzburg-Landau theory for two-band s-wave superconductors: application to non-magnetic borocarbides LuNi₂B₂C, YNi₂B₂C and magnesium diboride MgB₂**
Askerzade İ.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.397, sa.3-4, ss.99-111, 2003 (SCI-Expanded)
- XCVIII. **Surface critical magnetic field H_{c3}(T) of a bulk superconductor MgB₂ using two-band Ginzburg-Landau theory**
Askerzade İ.
PRAMANA-JOURNAL OF PHYSICS, cilt.61, sa.3, ss.611-616, 2003 (SCI-Expanded)
- XCIX. **Temperature dependence of the London penetration depth of YNi₂B₂C borocarbids using two-band Ginzburg-Landau theory**
ASKERBEYLİ İ.
Acta Physica Slovaca, cilt.53, sa.4, ss.321-327, 2003 (SCI-Expanded)
- C. **Temperature dependence of the London penetration depth of YNi₂B₂C borocarbids using two-band Ginzburg-Landau theory**
Askerzade İ.
ACTA PHYSICA SLOVACA, cilt.53, sa.4, ss.321-327, 2003 (SCI-Expanded)
- CI. **Ginzburg-Landau theory: Application to the nonmagnetic borocarbides Lu(NiB)₂C and Y(NiB)₂C**
ASKERBEYLİ İ.
Journal of the Korean Physical Society, cilt.43, sa.1, ss.111-117, 2003 (SCI-Expanded)
- CII. **Temperature dependence of some superconducting state parameters of a bulk MgB₂ in two-band Ginzburg-Landau theory**
Askerzade İ.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.390, sa.4, ss.281-285, 2003 (SCI-Expanded)
- CIII. **Ginzburg-Landau theory: Application to the nonmagnetic borocarbides Lu(NiB)₂C and Y(NiB)₂C**
Askerzade İ.
JOURNAL OF THE KOREAN PHYSICAL SOCIETY, cilt.43, sa.1, ss.111-117, 2003 (SCI-Expanded)

- CIV. **Investigations of even-order harmonic susceptibilities of MgB₂ superconductors using critical state approach**
Gencer A., Guclu N., Yilmaz H., Kilic A., Askerzade İ., Aksu E., Hascicek Y.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, cilt.13, sa.2, ss.3514-3517, 2003 (SCI-Expanded)
- CV. **Ginzburg-Landau theory for two-band isotropic s-wave superconductors**
Askerzade İ.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.17, sa.16, ss.3001-3020, 2003 (SCI-Expanded)
- CVI. **Influence of the interplay between helicoidal magnetic ordering and superconductivity on the differential conductance in HoNi(2)B(2)C/Ag junctions**
Askerzade İ.
PRAMANA-JOURNAL OF PHYSICS, cilt.60, sa.6, ss.1287-1291, 2003 (SCI-Expanded)
- CVII. **Point normal metal-superconductor (NS) contact in nonballistic regime**
Askerzade İ., Kulik I.
MODERN PHYSICS LETTERS B, cilt.17, sa.10-12, ss.649-655, 2003 (SCI-Expanded)
- CVIII. **Harmonic response of a bulk superconductor MgB₂**
Guclu N., Kilic A., Askerzade İ., Gencer A.
MODERN PHYSICS LETTERS B, cilt.17, sa.10-12, ss.691-695, 2003 (SCI-Expanded)
- CIX. **Effects of anisotropy on the critical temperature in layered nonadiabatic superconductors**
Askerzade İ., Tanatar B.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.384, sa.3, ss.404-410, 2003 (SCI-Expanded)
- CX. **Specific heat jump of quasi-two-dimensional superconductors in BCS approximation: Application to MgB₂**
Askerzade İ.
MODERN PHYSICS LETTERS B, cilt.17, sa.1, ss.11-18, 2003 (SCI-Expanded)
- CXI. **Effect of the anharmonic phase dependence of the supercurrent on I-V hysteresis in a Josephson junction**
Askerzade İ.
TECHNICAL PHYSICS, cilt.48, sa.11, ss.1496-1498, 2003 (SCI-Expanded)
- CXII. **Temperature dependence of the phase of the response of YBCO edge-transition bolometers: effects of superconductivity transition and thermal parameters**
Fardmanesh M., Askerzade İ.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.16, sa.1, ss.28-32, 2003 (SCI-Expanded)
- CXIII. **Effect of the Coulomb blockade of Cooper pairs on the dynamic properties of small-size Josephson junctions**
Askerzade İ.
TECHNICAL PHYSICS, cilt.48, sa.4, ss.519-522, 2003 (SCI-Expanded)
- CXIV. **Current-voltage characteristics of nanodimensional normal metal-superconductor point diffusion junctions**
Askerzade İ.
TECHNICAL PHYSICS LETTERS, cilt.29, sa.11, ss.913-916, 2003 (SCI-Expanded)
- CXV. **Thermodynamic magnetic field and specific heat jump of a bulk superconductor MgB₂ using two-band Ginzburg-Landau theory**
Askerzade İ., Gencer A.
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, cilt.71, sa.7, ss.1637-1639, 2002 (SCI-Expanded)
- CXVI. **Two-band Ginzburg-Landau theory for the lower critical field H_{c1} in MgB₂**
Askerzade İ., Gencer A., Guclu N., Kilic A.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.15, sa.6, 2002 (SCI-Expanded)
- CXVII. **On the Ginsburg-Landau analysis of the upper critical field H_{c2} in MgB₂**
Askerzade İ., Gencer A., Guclu N.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.15, sa.2, 2002 (SCI-Expanded)
- CXVIII. **London penetration depth $\lambda(T)$ in two-band Ginzburg-Landau theory: application to MgB₂**

- Askerzade İ., Gencer A.
SOLID STATE COMMUNICATIONS, cilt.123, sa.1-2, ss.63-67, 2002 (SCI-Expanded)
- CXIX. **Effect of superconductivity-magnetism interaction on the differential conductivity in Ho(NiB) (2)C/Ag point contacts**
Askerzade İ., Tanatar B.
TECHNICAL PHYSICS, cilt.47, sa.8, ss.1061-1063, 2002 (SCI-Expanded)
- CXX. **Suppression of interference by quantum fluctuations in a Josephson interferometer with a single small junction**
Askerzade İ.
TECHNICAL PHYSICS, cilt.47, sa.8, ss.1064-1066, 2002 (SCI-Expanded)
- CXXI. **The effect of small thermal fluctuations on the performance of a single-contact interferometer**
Askerzade İ.
TECHNICAL PHYSICS, cilt.46, sa.12, ss.1575-1578, 2001 (SCI-Expanded)
- CXXII. **The effect of boundary conditions on the superconducting transition critical temperature in superlattices**
Askerzade İ.
TECHNICAL PHYSICS, cilt.46, sa.2, ss.270-271, 2001 (SCI-Expanded)
- CXXIII. **Tunnel josephson junctions as highly sensitive comparators in stroboscopic converters**
Askerzade İ.
TECHNICAL PHYSICS, cilt.45, sa.1, ss.66-69, 2000 (SCI-Expanded)
- CXXIV. **The threshold current of a balanced double-contact low-inductance interferometer**
Askerzade İ.
TECHNICAL PHYSICS, cilt.45, sa.7, ss.937-938, 2000 (SCI-Expanded)
- CXXV. **Fluctuation of the delay time of nonhysteretic Josephson junctions during a linear current rise**
Askerzade İ.
TECHNICAL PHYSICS, cilt.43, sa.9, ss.1123-1124, 1998 (SCI-Expanded)
- CXXVI. **SWITCHING DYNAMICS OF THE GOTO PAIR OF TUNNEL JOSEPHSON-JUNCTIONS**
ASKERZADE İ., KORNEV V.
RADIOTEKHNIKA I ELEKTRONIKA, cilt.39, sa.5, ss.869-875, 1994 (SCI-Expanded)
- CXXVII. **TIME RESOLUTION OF BALANCED COMPARATOR WITH OVERDAMPED JOSEFSON JUNCTIONS**
ASKERZADE İ., KORNEV V.
RADIOTEKHNIKA I ELEKTRONIKA, cilt.39, sa.3, ss.510-513, 1994 (SCI-Expanded)
- CXXVIII. **THE INFLUENCE OF COULOMB REPULSION AND FLUCTUATION EFFECTS ON THE CRITICAL-TEMPERATURE IN LAYERED SUPERCONDUCTORS**
Nakhmedov E., Sach O., Askerzade İ.
JOURNAL OF PHYSICS-CONDENSED MATTER, cilt.5, sa.8, ss.1099-1108, 1993 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Superconductivity research in Turkey**
Gencer A., Askerbeyli İ.
Superconductivity: fundamental and applied research, cilt.2, sa.3, ss.1-8, 2024 (Hakemli Dergi)
- II. **Seismic Data Analysis with Deep Learning Models: Methods, Applications, and Future Perspectives**
Ağaoğlu B., Askerbeyli İ., Bostancı G. E., Medeni İ. T.
Conference Series, cilt.18, sa.1, ss.120-124, 2024 (Düzenli olarak gerçekleştirilen hakemli kongrenin bildiri kitabı)
- III. **Effect of Data Augmentation Method in Applied Science Data-Based Salt Area Estimation with U-Net**
Agaoglu B., Askerbeyli İ., Bostancı G. E., Medeni İ. T.
Türkiye Teknoloji ve Uygulamalı Bilimler Dergisi, cilt.5, sa.2, ss.1-5, 2024 (Hakemli Dergi)
- IV. **Bogoliubov-de Gennes equation on graphs: A model for tree-branched Majorana wire network**
Akramov M., Askerbeyli İ., Salati M., Karpova O.

INSTITUTE OF PHYSICS CONFERENCE SERIES, cilt.2667, ss.1-8, 2023 (Scopus)

- V. **Attention-based CNN-BiLSTM deep learning approach for network intrusion detection system in software defined networks**
Said S., Askerbeyli İ.
2023 5th International Conference on Problems of Cybernetics and Informatics (PCI), cilt.1, sa.1, ss.1-4, 2023 (Düzenli olarak gerçekleştirilen hakemli kongrenin bildiri kitabı)
- VI. **DRIVEN SINE-GORDON EQUATION ON METRIC GRAPHS: A MODEL FOR BRANCHED JOSEPHSON JUNCTION**
Akramov M., Askerbeyli İ., Salati M., Matrasulov D.
Advanced Physical Research, cilt.5, sa.3, ss.123-132, 2023 (Scopus)
- VII. **I-V curve of granular superconductor using long Josephson junction approach**
Askerbeyli İ., Matrasulov D., Askerbeyli R., Salati M.
Azerbaijan Journal of Physics, cilt.2023, sa.2, ss.115-117, 2023 (Hakemli Dergi)
- VIII. **Influence of Frustration Effects on the Critical Current of DC SQUID**
Askerzade İ.
CONDENSED MATTER, cilt.8, sa.3, ss.1-7, 2023 (ESCI)
- IX. **Influence of Anharmonic and Frustration Effects on Josephson Phase Qubit Characteristics**
Askerzade İ.
CONDENSED MATTER, cilt.8, sa.20, ss.1-8, 2023 (ESCI)
- X. **USING OF DECISION TREE CLASSIFICATIONS METHOD FOR INTRUSION DETECTION IN INTERNET NETWORKS**
Salati M., Askerbeyli İ., Bostancı G. E., Güzel M. S.
Proceedings of the Institute of Applied Mathematics, cilt.11, sa.2, ss.71-89, 2022 (Hakemli Dergi)
- XI. **A MACHINE LEARNING BASED APPROACH FOR PRICE ESTIMATION**
Duyku E., Güzel M. S., Bostancı G. E., Askerbeyli İ.
Proceedings of IAM, cilt.11, sa.1, ss.50-61, 2022 (Hakemli Dergi)
- XII. **THE INFLUENCE OF ANHARMONIC CURRENT-PHASE RELATION ON PENETRATION DEPTH IN LONG JOSEPHSON JUNCTION**
Askerbeyli İ., Salati M.
Advanced Physical Research, cilt.4, sa.1, ss.16-22, 2022 (Scopus)
- XIII. **DEEP TRANSFER LEARNING ALGORITHMS FOR PERSON RECOGNITION USING WEARABLE SENSOR DATA**
KILIÇ Ş., KAYA Y., ASKERBEYLİ İ.
International Research Journal of Engineering and Technology (IRJET), cilt.8, sa.12, ss.1485-1493, 2021 (Hakemli Dergi)
- XIV. **A New View on The Processing of Seismic Data With Artificial Neural Networks**
AĞAOĞLU B., Ünal F. Z., GÜZEL M. S., BOSTANCI G. E., ASKERBEYLİ İ.
International Journal of Multidisciplinary Studies and Innovative Technologies, 2019 (Hakemli Dergi)
- XV. **A DATA SCIENCE STUDY FOR DETERMINING FOOD QUALITY: AN APPLICATION TO WINE**
Ozalp A. E., Askerzade İ.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.68, sa.1, ss.762-770, 2019 (ESCI)
- XVI. **Influence of Thermal Fluctuations on Sensitivity of Balanced Comparators Based on Small Josephson Junctions**
Askerzade İ.
AUTOMATIC CONTROL AND COMPUTER SCIENCES, cilt.52, sa.4, ss.306-310, 2018 (ESCI)
- XVII. **A vehicle detection approach using deep learning methodologies**
Yılmaz A., Güzel M. S., Bostancı G. E., Askerbeyli İ.
preprint, cilt.1, sa.1, 2018 (Hakemli Dergi)
- XVIII. **Discovering future of the social trends using social media tools**
SEVİNÇ Ö., ASKERBEYLİ İ., GÜZEL M. S.

- Global Journal of Computer Sciences: Theory and Research, cilt.7, sa.3, ss.153-159, 2017 (Hakemli Dergi)
- XIX. PREDICTING THE FUTURE TRENDS BY MINING THE SOCIAL WEB: A SURVEY**
SEVİNÇ Ö., GÜZEL M. S., ASKERBEYLİ İ.
International Journal of Research and Reviews in Applied Sciences, cilt.31, sa.2, ss.54-61, 2017 (Hakemli Dergi)
- XX. An Early Phase Software Project Risk Assessment Support Method for Emergent Software Organizations**
Vahidnia S., TANRIÖVER Ö. Ö., Askerzade İ.
INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, cilt.8, sa.5, ss.105-118, 2017 (ESCI)
- XXI. An Evaluation Study of General Software Project Risk Based on Software Practitioners Experiences**
Sahand V., Tanrıöver Ö. Ö., Askerbeyli İ.
International Journal of Computer Science and Information Technology, cilt.8, sa.6, ss.1-13, 2016 (Hakemli Dergi)
- XXII. Simulated annealing approach for solving at Time Dependent Orienteering Problem**
Behdadnia M., ASKERBEYLİ İ.
Communications, Series A2-A3: Physical Sciences and Engineering, cilt.58, sa.1, ss.17-28, 2016 (Hakemli Dergi)
- XXIII. Influence of Bloch Inductance on the Time Resolution of Balanced Comparators Based on Small Josephson Junctions**
Askerzade İ.
AUTOMATIC CONTROL AND COMPUTER SCIENCES, cilt.50, sa.1, ss.10-14, 2016 (ESCI)
- XXIV. A comparative study of heart disease prediction based on principal component analysis and clustering methods**
ASKERBEYLİ İ., Ziasabounchi, N.
Turkish Journal of Mathematics and Computer Science, cilt.16, sa.17, ss.18, 2014 (Hakemli Dergi)
- XXV. ANFIS Based Classification Model for Heart Disease Prediction**
Negar Z., Askerbeyli İ.
International Journal of Engineering & Computer Science IJECS-IJENS, cilt.14, sa.2, ss.7-12, 2014 (Hakemli Dergi)
- XXVI. Control the extension time of traffic light in single junction by using fuzzy logic**
Askerbeyli İ., Mustafa M.
International Journal of Electrical and Computer Sciences IJECS-IJENS, cilt.10, sa.2, ss.52-59, 2011 (Hakemli Dergi)
- XXVII. DESIGN AND IMPLEMENTATION OF GROUP TRAFFIC CONTROL SYSTEM USING FUZZY LOGIC**
Askerbeyli İ., Mahmud M.
International Journal of Research and Reviews in Applied Sciences, cilt.6, sa.2, ss.196-202, 2011 (Hakemli Dergi)
- XXVIII. A NOVEL APPROACH TO DEFINITION OF FUZZY FUNCTIONS**
Amrahov Ş., Askerzade İ.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.59, sa.1, ss.1-6, 2010 (ESCI)
- XXIX. Perehodnaya harakteristika parı Goto na malih djozefsonovskih perehodah**
ASKERBEYLİ İ., SAMET R.
Pisma v JTB, cilt.34, sa.17, ss.26-31, 2008 (Hakemli Dergi)
- XXX. On the Ginzburg-Landau Analysis of the Lower Critical Field H_{c1} in MgB_2**
Askerbeyli İ., Gencer A., Güçlü N., Kılıç A.
arxiv, cilt.1, sa.1, ss.1-10, 2002 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. Quality Estimation of Wine Data Using Improved Crow Search Algorithm Based Fuzzy Neural Networks Classifier**
Nasih Z. A., Askerbeyli İ., Güzel M. S.
Recent Developments and the New Directions of Research, Foundations, and Applications, Shahnaz N. Shahbazova, Ali M. Abbasov, Vladik Kreinovich, Janusz Kacprzyk, Ildar Z. Batyrshin, Editör, Springer, London/Berlin ,

Heidelberg, ss.317-328, 2023

- II. **Modern Aspects of Josephson dynamics and superconductivity Electronics**
Askerbeyli İ., Bozbey A., Cantürk M.
Springer, London/Berlin , Heidelberg, 2017
- III. **Unconventional superconductors anisotropy and multiband effects**
Askerbeyli İ.
Springer Science & Business Media, Heidelberg, 2012
- IV. **Süperiletkenlik Fiziğine giriş**
Askerbeyli İ.
Gazi Yayın Dağıtım, Ankara, 2005
- V. **The influence of helicoidal magnetic structure on superconductivity**
Askerbeyli İ.
NATO ASI , Samed Halilov, Editör, World Scientific Publishing , Heidelberg, ss.245-251, 2003

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **SOLITON IN LONG JOSEPHSON JUNCTION WITH SECOND TERM IN CURRENT-PHASE RELATION**
Askerbeyli İ., Salati M.
International Conference«Modern Problems of Physics, Dushanbe, Tacikistan, 11 - 12 Ekim 2024, ss.1-4
- II. **Superconducting quantum bits**
Askerbeyli İ.
International Conference on Computer Science and Gravitation, Baku, Azerbaijan, 19 - 23 Ağustos 2024, ss.1-4
- III. **/ Seismic Data Analysis with Deep Learning Models: Methods, Applications, and Future Perspectives**
Askerbeyli İ.
6 th International Symposium on Innovations in Scientific Areas, Ankara, Türkiye, 7 - 08 Haziran 2024, ss.1-7
- IV. **Return current of Josephson junction: influence of frustrastion effects**
Askerbeyli İ.
International Conference on Superconductivity and Magnetism, Muğla, Türkiye, 27 Nisan - 03 Mayıs 2024, ss.472
- V. **Travelling of sine-Gordon solitons in network of Josephson junction arrays**
Askerbeyli İ.
Modern Trends in Physics, Baku, Azerbaijan, 30 Kasım - 01 Aralık 2023, ss.1-2
- VI. **Frustrated dynamics of Josephson systems**
Askerbeyli İ.
Dynamic days in Central Asia and Caucasus, Buhoro, Özbekistan, 1 - 04 Ekim 2023, ss.1
- VII. **Attention-based CNN-BiSLTM deep learning approach for network intrusion detection system in software defined networks**
Ben Said R., Askerbeyli İ.
International conferences "Problems of Cybernetics and Informatics", Baku, Azerbaijan, 28 - 30 Ağustos 2023, ss.80-81
- VIII. **Modelling of Granular superconductor using long Josephson junction approach**
Askerbeyli İ.
International Conference on Superconductivity and Naqagnetism, Muğla, Türkiye, 4 - 11 Mayıs 2023, ss.1
- IX. **Infliuence of anharmonic and frustration effects on critical current**
Askerbeyli İ.
International Conference on Superconductivity and Nagnetism, Muğla, Türkiye, 4 - 11 Mayıs 2023, ss.1
- X. **Tunable transport of quasiparticles in low-dimensional superconducting networks quantum graphs based approach**
Matrasulov D., Askerbeyli İ., Akramov M.
International Conference on Superconductivity and Magnetism 2023, Muğla, Türkiye, 4 - 11 Mayıs 2023, ss.372
- XI. **DISCRETE SINE-GORDON EQUATION ON METRIC GRAPHS: A SIMPLE MODEL FOR JOSEPHSON**

JUNCTION NETWORKS

Akramov M., Yusupov J., Askerbeyli İ., Matrasulov D.

International Conference on Superconductivity and Magnetism 2023, Muğla, Türkiye, 4 - 11 Mayıs 2023, ss.322

- XII. **Attention-Based CNN-BiLSTM Deep Learning Approach for Network Intrusion Detection System in Software Defined Networks**
Said R. B., Askerbeyli İ.
5th International Conference on Problems of Cybernetics and Informatics, PCI 2023, Baku, Azerbaijan, 28 - 30 Ağustos 2023
- XIII. **Quality estimation of wine data using improved crow search algorithm based fuzzy neural network**
Ali Z., ASKERBEYLİ İ., GÜZEL M. S.
8th World Conference on Soft Computing , SConSC-2022, Baku, Azerbaijan, 3 - 05 Şubat 2022
- XIV. **Escape rate in ac SQUID on Josephson junction based on single-/two-band superconductor in thermal activation regime**
Askerbeyli İ., Salati M.
VIII International Conference Modern Problems of Physics, October 21-22, Dushanbe, Tacikistan , Dushanbe, Tacikistan, 21 - 22 Ekim 2022, ss.1-5
- XV. **Effect of intergradient interaction on soliton state in two-band superconductors**
Askerbeyli İ.
VIII International Conference Modern Problems of Physics, October 21-22, Dushanbe, Tacikistan , Dushanbe, Tacikistan, 21 - 22 Ekim 2022, ss.1-4
- XVI. **Influence of anharmonic and frustration effects on Josephson phase qubit characteristics**
Askerbeyli İ.
International Conference On Quantum Materials And Technologies-ICQMT2022, Muğla, Türkiye, 16 - 22 Ekim 2022, ss.1-8
- XVII. **Dynamical behavior of Josephson junction: anharmonic and frustration effects**
Askerbeyli İ.
Dynamics days in Central Asia and Caucasus, 28 - 30 Eylül 2022, ss.1-5
- XVIII. **Superconducting qubits**
Askerbeyli İ.
Summer school on Modern trends in quantum science and technologies: From quantum materials to quantum information, Baku, Azerbaijan, 22 Eylül - 02 Ekim 2022, ss.1-4
- XIX. **INTRUSION DETECTION OF INTERNET NETWORKS THROUGH DECISION TREE CLASSIFICATION**
Salati M., Askerbeyli İ., Güzel M. S., Bostancı G. E.
8th International Conference on Control and Optimization with industrial application, Baku, Azerbaijan, 24 - 26 Ağustos 2022, cilt.1, ss.384-386
- XX. **RISK ANALYSIS OF AN INVESTMENT PROJECT USING DEEP LEARNING TECHNIQUES**
Özcan D., Askerbeyli İ., Bostancı G. E.
8th International Conference on Control and Optimization with Industrial applications, Baku, Azerbaijan, 24 - 26 Ağustos 2022, cilt.2, ss.375-377
- XXI. **A Novel Visual Attribute Disentanglement Approach using Self-Supervision Yeni Bir Öz-Denetimli Görsel Özellik Ayırıştırma Yöntemi**
Aktas A. A., Yalın Keleş H., Askerbeyli İ.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Türkiye, 15 - 18 Mayıs 2022
- XXII. **Dynamics of ac SQUID on Josephson junctions with unconventional current-phase relation**
ASKERBEYLİ İ.
7th International Conference Modern Trend in Physics, Baku, Azerbaijan, 15 Aralık 2021
- XXIII. **Improving the Olive Oil Quality Assessment Using Feature Reduction Methods**
ASKERBEYLİ İ., Ali Z.
7. Uluslararası Öğrenci Sempozyumu International student symposium Samsun , 1-3 October, Samsun, Türkiye, 01 Ekim 2021

- XXIV. **Influence of anharmonic current-phase relation on the time resolution of Josephson balanced comparator**
ASKERBEYLİ İ.
7th International Conference on Superconductivity and Magnetism, 22-28 October 2021 Bodrum, Bodrum, Türkiye, 22 Ekim 2021
- XXV. **Deep Learning Using MobileNet for Personal Recognizing**
ASKERBEYLİ İ., KAYA Y., KILIÇ Ş.
The International Conference on Advanced Engineering, Technology and Applications (ICAETA-2021) July 09-10, 2021, Istanbul, Turkey, İstanbul, Türkiye, 09 Temmuz 2021, ss.11-17
- XXVI. **Neuro-Evolution of Augmenting Topologies for Food Quality Assessment Using Artificial Neural Network**
ASKERBEYLİ İ., Ali Z.
International Congress of Engineering and Natural Sciences Studies (ICENSS 2021), held during May 07-09 2021, Ankara, Turkey, Ankara, Türkiye, 07 Mayıs 2021, ss.59-71
- XXVII. **Budget and Time Constraint Tourist Routing Problem: A Genetic Algorithm Approach**
ASKERBEYLİ İ., Yılmaz I.
International Congress of Engineering and Natural Sciences Studies (ICENSS 2021), held during May 07-09 2021, Ankara, Turkey, Ankara, Türkiye, 07 Mayıs 2021, ss.33-49
- XXVIII. **Frustration effect on critical current of low inductance DC SQUID on JJ based on two-band superconductors**
Karthi N., Hadsan Bugra Y., ASKERBEYLİ İ.
7th International Conference Modern Problems of Physics, Dushanbe, Tacikistan, 9 - 10 Ekim 2020
- XXIX. **CURRENT-VOLTAGE CHARACTERISTIC OF JOSEPHSON JUNCTION WITH FRACTIONAL TERM IN CURRENT-PHASE RELATION**
ASKERBEYLİ İ.
ICONATR2020-Int Conference on Natural Science and Technology, Basku, 20 - 22 Ağustos 2020, cilt.21, ss.87-90
- XXX. **INFLUENCE OF UNCONVENTIONAL CURRENT-PHASE RELATION ON CHAOTIC DYNAMICS OF JOSEPHSON JUNCTIONS**
ASKERBEYLİ İ.
ICONAT2020 International Conference on Natural Science and Technology, Baku, Azerbaijan, 20 - 22 Ağustos 2020, cilt.21, ss.108-112
- XXXI. **A new tour planning approach using metaheuristic algorithms for Iran's provinces**
ASKERBEYLİ İ., GÜZEL M. S., Salati M.
The 7th International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 26 - 28 Ağustos 2020, ss.356-358
- XXXII. **Crystal structure and thermoelectric properties of Ga_{0.5}In_{1.5}Se₃ solid solution**
Sevinc İ., Gehraman H., ASKERBEYLİ İ., Şerif I.
2nd International Ankara Conference on Scientific Research, Ankara, Türkiye, 6 - 08 Mart 2020
- XXXIII. **Assessment of Iterative Semi-Supervised Feature Selection Learning for Sentiment Analyses: Digital Currency Markets**
Akba F., MEDENİ İ. T., GÜZEL M. S., ASKERBEYLİ İ.
14th IEEE International Conference on Semantic Computing (ICSC), California, Amerika Birleşik Devletleri, 3 - 05 Şubat 2020, ss.459-463
- XXXIV. **Some aspects of using superconducting qubits in quantum computing**
ASKERBEYLİ İ.
IV International Conference on Theoretical and Applied Computer Sciences and Engineering, Istanbul Turkey, 11 Ekim - 12 Kasım 2019, ss.35-38
- XXXV. **Estimates financial return with ANFIS method**
Ozcan D., ASKERBEYLİ İ., BOSTANCI G. E.
IV Int Conference on Theoretical and Applied CS and engineering, 11 - 12 Ekim 2019, ss.70-76
- XXXVI. **A New View on The Processing of Seismic Data With Artificial Neural Networks**

Ağaoglu B., Ünal Z., GÜZEL M. S., BOSTANCI G. E., ASKERBEYLİ İ.

International Conference HORA, 5 - 07 Temmuz 2019

XXXVII. Josephson junction based on novel compounds for superconducting qubits

ASKERBEYLİ İ.

New Advances in quantum information Science and quantum technology, 10 - 18 Eylül 2019

XXXVIII. Josephson junctions based on novel compounds for superconducting qubits

ASKERBEYLİ İ.

New Advances in quantum information Science and quantum technology, 10 Eylül 2019 - 18 Eylül 2018

XXXIX. Influence of thermal fluctuations on critical current of JJ with unconventional CPR

ASKERBEYLİ İ.

Modern Trends in Physics, 01-03 May 2019, Baku, 1 - 03 Mayıs 2019, ss.211-214

XL. Thermal Activation in small JJ

ASKERBEYLİ İ., ASKERBEYLİ R.

Modern Trends in Physics, 01-03 May,2019, Baku, 1 - 03 Mayıs 2019, ss.215-218

XLI. A fuzzy Logic Control of Bread Quality

Onur B., ASKERBEYLİ İ.

Recent Advances in Mathematical and Engineering Sciences, 24-26 Julay,2019, Lviv, Ukraine, 24 - 26 Temmuz 2019, ss.90-94

XLII. Using fuzzy logic in HVAC applications

Kansu E., ASKERBEYLİ İ.

Recent Advances in Matematical and Engineering Sciences, Lviv, Ukraine, 24 - 26 Temmuz 2019, ss.84-89

XLIII. Comparison of Region Filling Algorithms Using Texture Synthesis Methodologies

Yilmaz A. A., GÜZEL M. S., Askerzade İ., BOSTANCI G. E.

6th International Conference on Electrical and Electronics Engineering (ICEEE), İstanbul, Türkiye, 16 - 17 Nisan 2019, ss.340-343

XLIV. INFLUENCE OF THERMAL FLUCTUATIONS ON CRITICAL CURRENT OF JOSEPHSON JUNCTION WITH UNCONVENTIONAL CURRENT-PHASE RELATION

Askerzade İ.

International Conference on Modern Trends in Physics, Baku, Azerbaijan, 1 - 03 Mayıs 2019, ss.211-214

XLV. THERMAL ACTIVATION IN SMALL JOSEPHSON JUNCTION

Askerzade İ., Askerbeyli R. T.

International Conference on Modern Trends in Physics, Baku, Azerbaijan, 1 - 03 Mayıs 2019, ss.215-218

XLVI. Social Media Analyze with SVM Classifier and PCA

SEVİNÇ Ö., GÜZEL M. S., ASKERBEYLİ İ., BOSTANCI G. E.

TMMOB Elektrik Mühendisleri Odası, Türkiye, 30 Kasım - 01 Aralık 2018

XLVII. A Vehicle Detecti onApproach Using Deep Learning Methodologies

ASKERBEYLİ İ., GÜZEL M. S., BOSTANCI G. E., Yılmaz A. A.

II. International Conference on theoretical and applied computer science and engineering, Ankara, Türkiye, 23 - 24 Kasım 2018, ss.64-70

XLVIII. Comparison of the AlexNet based Face Recognition System with the State of the Art Methods

ASKERBEYLİ İ., GÜZEL M. S., BOSTANCI G. E., unal m., unal f. z., Nattharith P.

II. International Conference on theoretical and Applied Computer Science and Engineering, Ankara, Türkiye, 23 - 24 Kasım 2018, ss.2023

XLIX. Diagnosis of lung diseases using adaptive neuro-fuzzy inference system based on clustering methods

ASKERBEYLİ İ., Kaya H.

II. International Conference on Theoretical and Applied Computer Science and engineering, 29 - 30 Haziran 2018

L. Fuzzy logic based control of HVAC systems for office areas

ASKERBEYLİ İ., Kansu E.

II. International Conference on Theoretical and Applied Computer Science and engineering, 29 - 30 Haziran 2018

LI. BCS approach for Dirac superconductors

ASKERBEYLİ İ., ASKERBEYLİ R.

- 6th International Conference on Superconductivity and Magnetism, Antalya, Türkiye, 29 Nisan - 05 Mayıs 2018
- LII. **Field-angular dependence of the critical current density in LiFeAs in two-band Ginzburg-Landau theory**
ASKERBEYLİ İ., GÜZEL M. S.
6th International Conference on Superconductivity and Magnetism, Antalya, Türkiye, 29 Nisan - 04 Mayıs 2018
- LIII. **Quantum bits based on Josephson Junctions**
ASKERBEYLİ İ.
Emerging trends in applications and multiphysics simulations in superconductivity, 22 - 24 Şubat 2018
- LIV. **TWO-BAND GINZBURG-LANDAU EQUATIONS: NUMERICAL SIMULATIONS**
Askerzade İ., Askerbeyli R. T.
6th International Conference on Control and Optimization with Industrial Applications (COIA), Baku, Azerbaijan, 11 - 13 Temmuz 2018, ss.98-100
- LV. **Anomaly Based Distributed Denial of Service Attack Detection and Prevention with Machine Learning**
Dincalp U., GÜZEL M. S., SEVİNÇ Ö., BOSTANCI G. E., Askerzade İ.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Türkiye, 19 - 21 Ekim 2018, ss.600-603
- LVI. **A NEW DEEP LEARNING BASED SYSTEM FOR FACIAL GESTURE ANALYSIS**
Soylu B. E., GÜZEL M. S., Askerzade İ.
6th International Conference on Control and Optimization with Industrial Applications (COIA), Baku, Azerbaijan, 11 - 13 Temmuz 2018, ss.361-363
- LVII. **Isotope Effect in Bi based high temperature superconductors**
ASKERBEYLİ İ.
International Conference of Advanced Materials and Manufacturing Technologies, 25 - 27 Ekim 2017
- LVIII. **Comparison of Genetic Algorithm and PSO Method for Optimization of Potential Fields Parameters**
AJABSHIR V. B., CAN S., GÜZEL M. S., BOSTANCI G. E., ASKERBEYLİ İ.
International Conference on Theoretical and Applied Computer Science and Engineering (ICTACSE, 2017), Ankara, Türkiye, 10 Kasım - 11 Aralık 2017
- LIX. **The effect of electron density fluctuations on critical temperature in layered superconductors with arbitrary thickness of conducting layer**
ASKERBEYLİ İ., ASKERBEYLİ R.
International Turkish World Engineering and Science Congress, 7 - 10 Aralık 2017
- LX. **Numerical modeling of two-band Ginzburg-Landau equations**
ASKERBEYLİ İ.
Modern problems of Mathematics and Mechanics, 6 - 08 Aralık 2017
- LXI. **DISCOVERING FUTURE TRENDS OVER SOCIAL MEDIA USING SVM CLASSIFIER**
SEVİNÇ Ö., ASKERBEYLİ İ., GÜZEL M. S.
ICTACSE 2017, Ankara, Türkiye, 10 - 11 Kasım 2017
- LXII. **Pedestrian detection studies using picture telescope approach**
Yılmaz A. A., GÜZEL M. S., ASKERBEYLİ İ.
International Conference on Theoretical and Applied Computer Sciences and Engineering, 10 - 11 Kasım 2017
- LXIII. **Comparison of Genetic Algorithm and PSO method for optimization of potential field parameters**
Ajabshir V., Can S., GÜZEL M. S., BOSTANCI G. E., ASKERBEYLİ İ.
International Conference on Theoretical and Applied Computer Science and Engineering, 10 - 11 Kasım 2017
- LXIV. **Discovering the future of the social trends by using social media tools**
SEVİNÇ Ö., GÜZEL M. S., ASKERBEYLİ İ.
Comeng 2017 İstanbul, İstanbul, Türkiye, 28 - 30 Ağustos 2017
- LXV. **Fe based superconductors: multiband and anisotropy effects**
ASKERBEYLİ İ.
International Conference Modern Trends in Physics, 20 - 22 Nisan 2017
- LXVI. **Josephson qubits for quantum computing**

- ASKERBEYLİ İ.
Asia-Pacific Conference and Workshop on Quantum Information Science 2016, Baku, Azerbaijan, 4 - 09 Aralık 2016
- LXVII. **Superconducting quantum bits**
ASKERBEYLİ İ.
INTERNATIONAL SYMPOSIUM "NEW TRENDS OF DEVELOPMENT FUNDAMENTAL AND APPLIED PHYSICS:
Taşkent, Uzbekistan, 10 - 11 Kasım 2016
- LXVIII. **Süperiletkenlik teknolojileri**
ASKERBEYLİ İ.
International Conference on Science and Technology, Ankara, Turkey, 3 - 06 Ekim 2016
- LXIX. **Chaotic behavior of fractal Josephson junctions and the influence of anharmonic current phase relation**
ASKERBEYLİ İ.
The third dynamics days in Central Asia, Astana, Kazakistan, 2 - 05 Eylül 2016
- LXX. **Anisotropy of Critical Current Density in LiFeAs Using Two Band Ginzburg Landau Theory**
ASKERBEYLİ İ.
International Conference on Superconductivity and Magnetism, 2, 24 - 30 Nisan 2016
- LXXI. **Dynamics of balanced comparators based on small Josephson junctions with Coulomb blockade**
ASKERBEYLİ İ., ASKERBEYLİ R.
9th International Conference of Modern Problems of Physics, Baku, Azerbaijan, 22 - 26 Aralık 2015, ss.428-431
- LXXII. **Multiband and anisotropy effects in Fe based superconductors**
ASKERBEYLİ İ.
ICTP Summer School, Modern Trends in Theoretical Condensed Matter Physics, Khiva, Özbekistan, 18 - 29 Mayıs 2015
- LXXIII. **Numerical Study of Vortex Nucleation in Two-Band Superconductors**
ASKERBEYLİ İ., Hashimoglu I.
4th International Conference on Problems of Cybernetics and Informatics (PCI), Baku, Azerbaijan, 12 - 14 Eylül 2012
- LXXIV. **Design and Implementation of Intelligent Traffic Control by Using Fuzzy Logic**
ASKERBEYLİ İ.
1st International Fuzzy Systems Symposium, 2 - 04 Ocak 2016, ss.52-59
- LXXV. **The influence of the carrier density on the critical temperature in layered superconductors**
Askerzade İ.
1st Regional Conference on Magnetic and Superconducting Materials (MSM-99), Tehran, İran, 27 - 30 Eylül 1999, ss.107-110

Desteklenen Projeler

- Askerbeyli İ., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Dalı Süperiletken Malzemelerde Kuasiparçacıklar Ve Solitonların Dinamiği, 2022 - 2024
- Askerbeyli İ., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Süperiletkenlik Araştırma Merkezi, 2015 - 2024
- Askerbeyli İ., TÜBİTAK Projesi, Alışılmadık cereyan-faz bağıntısına sahip Josephson sistemlerinin dinamiği, 2018 - 2021
- Askerbeyli İ., TÜBİTAK Projesi, RSFQ tabanlı entegre devre tasarım aracı ve aritmetik mantık birimi geliştirilmesi, 2013 - 2017
- Askerbeyli İ., TÜBİTAK Projesi, Ferromanyetik tabanlı süperiletkenlerin teorik modellenmesi ve simülasyonu, 2011 - 2013
- Askerbeyli İ., Samet R., NATO Destekli Araştırma Projesi, Fiber optical internet system for Azerbaijan Universities, 2010 - 2011
- ASKERBEYLİ İ., Diğer Uluslararası Fon Programları, Fluctuation effects in two-band superconductors, 2009 - 2011
- Askerbeyli İ., Emrah Ş., Diğer Resmi Kurumlarca Desteklenen Proje, Dağıtımli bir sıra tabanlı oyun yapay zekasının

geliştirilmesi, 2008 - 2011

Askerbeyli İ., TÜBİTAK Projesi, Magnezyum diboride MgB₂ nin fiziksel özelliklerinin Eliashberg ve anizotropik Ginzburg-Landau teorisi kullanılarak analizi, 2005 - 2007

ASKERBEYLİ İ., Diğer Uluslararası Fon Programları, Physical properties of two-band superconductor MgB₂ Ginzburg-Landau theory and AC losses calculation in framework critical model (NATO reintegration grant No 980766, 2004 - 2007

Askerbeyli İ., TÜBİTAK Projesi, Ginzburg-Landau teorisinin borokarbidlere uygulanması, 2001 - 2001

ASKERBEYLİ İ., Diğer Uluslararası Fon Programları, Süperiletkenlik Ginzburg-Landau (GL) teorisi, 2000 - 2000

Bilimsel Dergilerdeki Faaliyetler

Karshi Multidisciplinary International Scientific Journal, Editör, 2023 - Devam Ediyor

SUPERCONDUCTIVITY: FUNDAMENTAL AND APPLIED RESEARCH, Editör, 2023 - Devam Ediyor

Physics and Space Research, Editör, 2023 - Devam Ediyor

Advanced Physical Research, Editör, 2022 - Devam Ediyor

Proceedings of the Institute of Applied Mathematics, Editör, 2022 - Devam Ediyor

METALS, Özel Sayı Editörü, 2022 - 2022

Bilimsel Kuruluşlardaki Üyelikler / Görevler

Ankara Üniversitesi Süperiletkenlik Teknolojileri Araştırma Merkezi, Yürütme Kurulu Üyesi, 2015 - Devam Ediyor , Türkiye

Bilimsel Hakemlikler

TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, Ankara Üniversitesi, Türkiye, Temmuz 2024

Problems of Information Technology, Diğer İndekslerce Taranan Dergi, Nisan 2024

SENSORS, SCI-E Kapsamındaki Dergi, Mart 2024

SYMMETRY, SCI-E Kapsamındaki Dergi, Mart 2024

INDIAN JOURNAL OF PHYSICS, SCI Kapsamındaki Dergi, Mart 2024

CRYSTALS, SCI-E Kapsamındaki Dergi, Şubat 2024

Linear discriminant analysis (LDA) to clarifying vacant land allocations of Baiturraman district in Banda Aceh city, Tanınmış Yayınevleri tarafından basılan bilimsel/mesleki kitapta bölüm, Ocak 2024

CRYSTALS, SCI Kapsamındaki Dergi, Aralık 2023

IEEE ACCESS, SCI Kapsamındaki Dergi, Aralık 2023

APPLIED SCIENCES, SCI Kapsamındaki Dergi, Aralık 2023

EXPERT SYSTEMS WITH APPLICATIONS, SCI Kapsamındaki Dergi, Aralık 2023

Qeios, SCI Kapsamındaki Dergi, Kasım 2023

THE EUROPEAN RESEARCH JOURNAL, SCI Kapsamındaki Dergi, Ekim 2023

PHYSICA C: SUPERCONDUCTIVITY AND ITS APPLICATIONS, SCI Kapsamındaki Dergi, Ekim 2023

INDIAN JOURNAL OF PHYSICS, SCI Kapsamındaki Dergi, Eylül 2023

JOURNAL OF ELECTRONIC SCIENCE AND TECHNOLOGY, SCI Kapsamındaki Dergi, Ağustos 2023

PROCEEDINGS (MDPI), SCI Kapsamındaki Dergi, Temmuz 2023

Communications, Hakemli Bilimsel Dergi, Temmuz 2023

PHYSICA C: SUPERCONDUCTIVITY AND ITS APPLICATIONS, SCI Kapsamındaki Dergi, Temmuz 2023

MATERIALS SCIENCE & ENGINEERING B: SOLID-STATE MATERIALS FOR ADVANCED TECHNOLOGY, SCI Kapsamındaki Dergi, Temmuz 2023

MODERN PHYSICS LETTERS B, SCI Kapsamındaki Dergi, Mayıs 2023

SOLID STATE COMMUNICATIONS, SCI Kapsamındaki Dergi, Mayıs 2023
PHYSICA C: SUPERCONDUCTIVITY AND ITS APPLICATIONS, SCI Kapsamındaki Dergi, Mart 2023
MODERN PHYSICS LETTERS B, SCI Kapsamındaki Dergi, Şubat 2023
SENSORS, SCI Kapsamındaki Dergi, Ocak 2023
MODERN PHYSICS LETTERS B, SCI Kapsamındaki Dergi, Ocak 2023
CMES - COMPUTER MODELING IN ENGINEERING AND SCIENCES, SCI Kapsamındaki Dergi, Aralık 2022
International Journal of Thermodynamics , Hakemli Bilimsel Dergi, Aralık 2022
The European Physical Journal B, SCI Kapsamındaki Dergi, Aralık 2022
Teknopark, Ankara Üniversitesi, Türkiye, Aralık 2022
Teknopark, Ankara Üniversitesi, Türkiye, Aralık 2022
Teknopark, Ankara Üniversitesi, Türkiye, Aralık 2022
Teknopark, Ankara Üniversitesi, Türkiye, Aralık 2022
Teknopark, Ankara Üniversitesi, Türkiye, Aralık 2022
APPLIED SCIENCES, SCI Kapsamındaki Dergi, Kasım 2022
Teknopark, Ankara Üniversitesi, Türkiye, Kasım 2022
Teknopark, Ankara Üniversitesi, Türkiye, Kasım 2022
Teknopark, Ankara Üniversitesi, Türkiye, Ekim 2022
Teknopark, Ankara Üniversitesi, Türkiye, Ekim 2022
Teknopark, Ankara Üniversitesi, Türkiye, Ekim 2022
Teknopark, Ankara Üniversitesi, Türkiye, Ekim 2022
MODERN PHYSICS LETTERS B, SCI Kapsamındaki Dergi, Eylül 2022
INDIAN JOURNAL OF PHYSICS, SCI Kapsamındaki Dergi, Eylül 2022
Teknopark, Ankara Üniversitesi, Türkiye, Eylül 2022
PHYSICA C: SUPERCONDUCTIVITY AND ITS APPLICATIONS, SCI Kapsamındaki Dergi, Ağustos 2022
CRYSTALS, SCI Kapsamındaki Dergi, Temmuz 2022
Teknopark, Ankara Üniversitesi, Türkiye, Temmuz 2022
TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, Ankara Üniversitesi, Türkiye, Temmuz 2022
PHYSICA A: STATISTICAL MECHANICS AND ITS APPLICATIONS, SCI Kapsamındaki Dergi, Mayıs 2022
TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, Ankara Üniversitesi, Türkiye, Nisan 2022
SENSORS, SCI-E Kapsamındaki Dergi, Mart 2022
CRYSTALS, SCI Kapsamındaki Dergi, Şubat 2022
SENSORS, SCI-E Kapsamındaki Dergi, Ocak 2022
Journal of AI and Data Mining, SCI Kapsamındaki Dergi, Ocak 2022

Bilimsel Danışmanlıklar

TÜBİTAK, Bilimsel Projeler İçin Yapılan Danışmanlık, Ankara Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Türkiye, 2023 - Devam Ediyor
TUBİTAK, Bilimsel Projeler İçin Yapılan Danışmanlık, Ankara Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Türkiye, 2021 - 2024
TÜBİTAK, Bilimsel Projeler İçin Yapılan Danışmanlık, Ankara Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Türkiye, 2021 - 2023

Etkinlik Organizasyonlarındaki Görevler

Askerbeyli İ., IX International Scientific Conference "MODERN PROBLEMS OF PHYSICS", Bilimsel Kongre / Sempozyum Organizasyonu, Dushanbe, Tacikistan, Ekim 2024

Askerbeyli İ., International Conference of Computer Science and Gravitation, Bilimsel Kongre / Sempozyum Organizasyonu, Baku, Azerbaycan, Ağustos 2024
Askerbeyli İ., 9th International Conference on Superconductivity and Magnetism 2024, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Mayıs 2024
Askerbeyli İ., International Conference Computer Science and Gravitation 2024, Bilimsel Kongre / Sempozyum Organizasyonu, Baku, Azerbaycan, Nisan 2024
Askerbeyli İ., VIII International Conference "MODERN PROBLEMS OF PHYSICS", Dushanbe, S.U.Umarov Physical-Technical Institute, October 21-22, 2022, Bilimsel Kongre / Sempozyum Organizasyonu, Dushanbe, Tacikistan, Ekim 2022
Askerbeyli İ., International Conference On Quantum Materials And Technologies-ICQMT2022, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Ekim 2022
Askerbeyli İ., 5. International Conference on Theoretical and Applied Computer Science and Engineering 2022, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Ekim 2022
Askerbeyli İ., International Conference on Superconductivity and Magnetism, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Ekim 2021

Bilimsel Araştırma / Çalışma Grubu Üyelikleri

Center Of Theoretical Physics Of Khazar University, Hazar Üniversitesi, Azerbaijan, khazar.org, 2023 - Devam Ediyor
Süperiletkenlik Araştırma , Ankara Üniversitesi, Türkiye, <http://cesur.ankara.edu.tr/yonetim/mudur-yardimcileri/>, 2010 - Devam Ediyor

Metrikler

Yayın: 245
Atıf (WoS): 894
Atıf (Scopus): 995
H-İndeks (WoS): 17
H-İndeks (Scopus): 17

Kongre ve Sempozyum Katılımı Faaliyetleri

International Conference Computer Science and Gravitation 2024, Davetli Konuşmacı, Baku, Azerbaycan, 2024
The 9th International Conference on Superconductivity and Magnetism 2024, Moderatör, Muğla, Türkiye, 2024
International Conference on Superconductivity and Magnetism, Oturum Başkanı, Muğla, Türkiye, 2023
International c. on Superconductivity and Magnetism, Davetli Konuşmacı, Muğla, Türkiye, 2023
International Conference On Quantum Materials And Technologies-ICQMT2022, Davetli Konuşmacı, Manisa, Türkiye, 2022

Burslar

Physical properties of superconducting nonmagnetic borocarbides, NATO, 2004 - 2007
2221-Konuk veya Akademik İzinli (Sabbatical) Bilim İnsanı Destekleme Programı, NATO, 2006 - 2006
KONUK BİLİM ADAMI DESTEKLEME PROGRAMI - NATO D, NATO, 2002 - 2002
NATO postdoc, NATO, 2000 - 2001
Former Soviet Union, NATO, 2000 - 2000
visiting grant, Diğer Uluslararası Organizasyonlar, 2000 - 2000
postdoc, Diğer Uluslararası Organizasyonlar, 2000 - 2000

Ödüller

Askerbeyli İ., Fen bilimleri alanı Üniversite üçüncülüğü, Ankara Üniversitesi, Ocak 2024

Askerbeyli İ., Bilim ödülü, Ankara Üniversitesi, Ocak 2023

Askerbeyli İ., İman Novruz oğlu Askerzade, Physics Uspekhi, Mart 2022

Askerbeyli İ., akademik başarı ödülü, Ankara Üniversitesi Mühendislik Bölümü, Ocak 2020

Askerbeyli İ., Fakülte akademik başarı ödülü, Ankara Üniversitesi, Ocak 2020

Askerbeyli İ., associate membership, Ictp-Abdus Salam International Center For Theoretical Physics Unesco, Temmuz 2004

Yayıncılık Etkinlikleri

Askerbeyli İ., Elme hesr olunmuş ömür, Dergi Yayıncılığı, 2023 - 2023

Askerbeyli İ., Bakinskiy rabochiy, Gazete Yayıncılığı , 2023 - 2023

Askerbeyli İ., Akademik Firudin Hashimzade, Dergi Yayıncılığı, 2020 - 2020