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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
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Yönetilen Tezler

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Jüri Üyelikleri

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

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

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

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

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

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **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.
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- II. **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.
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- III. **Frustration Effect on Penetration Depth in Long Josephson Junctions Between Single- and Multi-band Superconductors**
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- IV. **Influence of anharmonic current-phase relation on the time resolution of Josephson balanced comparator**
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- V. **Effect of unconventional current-phase relation of Josephson junction on escape rate in ac SQUID**
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- VI. **An Effective Medical Image Classification: Transfer Learning Enhanced by Auto Encoder and Classified with SVM**
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- VII. **Return current of dc SQUID based on tunnel Josephson junctions with unconventional current-phase relation**
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- VIII. **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.
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- IX. **A New Approach for Human Recognition Through Wearable Sensor Signals**
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- X. **Estimation Model for Bread Quality Proficiency Using Fuzzy Weighted Relevance Vector Machine Classifier**
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- XI. **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**
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- XIII. **Manipulator Detection in Cryptocurrency Markets Based on Forecasting Anomalies**
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- XIV. **White Blood Cell Classification Using Genetic Algorithm\2013Enhanced Deep Convolutional Neural Networks**
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- XV. **Influence of Unconventional Current-Phase Relation on Return Current of Tunnel Josephson Junctions**

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- XVI. **Critical current of dc SQUID on Josephson junctions with unconventional current-phase relation**
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- XVIII. **A Novel Action Recognition Framework Based on Deep-Learning and Genetic Algorithms**
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- XIX. **Using ResNet Transfer Deep Learning Methods in Person Identification According to Physical Actions**
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- XXIII. **Effect of thermal fluctuations on dynamics of small Josephson junctions**
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- XXIV. **BCS Superconductivity of Dirac Electrons in Graphene Monolayer**
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- XXV. **Angular Dependence of the Critical Current Density in Two-Band Ginzburg-Landau Theory**
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- XXVI. **Plasmon spectrum of graphene monolayer on substrate**
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- XXVII. **Oxygen Isotope Exponent as a Function of the Numbers of CuO₂ Layers in Optimally Doped Superconductors Bi₂Sr₂Ca_{n-1}(n)O_{2n+4+delta} (n=1, 2, 3)**
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- XXVIII. **The effect of electron density fluctuations on critical temperature in layered superconductors with arbitrary thickness of conducting layer**
Askerzade İ.
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- XXIX. **The influence of thermal fluctuations on Coulomb blockade edge in small Josephson junctions with linear growing of voltage**
Askerzade İ.
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- XXX. **Anisotropy of Critical Current Density in LiFeAs Using Two-Band Ginzburg-Landau Theory**

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- XXXI. **Superconducting Quantum Bits**
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- XXXII. **Digital Superconductivity Electronics**
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- XXXVII. **Dynamic properties of a Josephson junction balanced comparator with Coulomb blockade**
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- XXXVIII. **Fluctuation conductivity in two-band superconductor $\text{SmFeAsO}_{0.8}\text{F}_{0.2}$**
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- XL. **Thermodynamics of noninteracting bosonic gases in cubic optical lattices versus ideal homogeneous Bose gases**
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- XLI. **Effects of anharmonicity of current-phase relation in Josephson junctions**
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- XLII. **Fluctuation of Diamagnetic Susceptibility in Two-band Superconductors**
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- XLIII. **Chaotic Dynamics of a Fractal Josephson Junction**
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- XLIV. **Vortex Lattice in LiFeAs Superconductor in the Two-Band Ginzburg-Landau Model**
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- XLV. **Specific heat jump of two-band superconductor KFe_2As_2 using Ginzburg-Landau theory**

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- XLVII. **Time resolution of Josephson balanced comparators with shunt resistance**
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- XLVIII. **Temperature dependence of the anisotropy parameter of the LiFeAs upper critical field in the two-band Ginzburg-Landau theory**
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