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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: U-2932-2018

ScopusID: 23004875700

Yoksis Araştırmacı ID: 325453

Eğitim Bilgileri

Doktora, University of Washington, College of Arts & Sciences, Department of Physics, Amerika Birleşik Devletleri 2009 - 2014

Yüksek Lisans, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye 2007 - 2009

Lisans, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye 2002 - 2007

Yaptığı Tezler

Doktora, Transport properties of chiral p-wave superconductor-normal metal nanostructures, University of Washington, College of Arts & Sciences, Department of Physics, 2014

Yüksek Lisans, Rotating two leg Bose Hubbard ladder, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2009

Araştırma Alanları

Kuantum akışkanları ve katları, Bulk malzemenin elektronik yapısı, Manyetik özellikler ve malzemeler, Süperiletkenlik

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2020 - Devam Ediyor

Araştırmacı, The University of Pittsburgh, 2014 - 2019

Araştırmacı, George Mason University, 2014 - 2019

Araştırma Görevlisi, University of Washington, Collage of Arts and Science, Department of Physics, 2009 - 2014

Araştırma Görevlisi, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2007 - 2009

Verdiği Dersler

General Physics, Lisans, 2020 - 2021

Yönetilen Tezler

- Keleş A., Neural-network quantum states for a two-leg Bose-Hubbard ladder under a synthetic magnetic field, Yüksek Lisans, K.ÇEVEN(Öğrenci), 2023
Keleş A., Quench topology of chern insulators, Yüksek Lisans, Ö.KUM(Öğrenci), 2023
Keleş A., Spin-1 droplets stabilized by spin fluctuations, Doktora, T.ALPER(Öğrenci), 2023

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Pairing from repulsion in a two-dimensional Fermi gas with soft-core interactions**
KELEŞ A., Li X., Zhao E.
Physical Review B, cilt.109, sa.5, 2024 (SCI-Expanded)
- II. **Vortex lattices in strongly confined quantum droplets**
YOĞURT T. A., TANYERİ U., KELEŞ A., Oktel M.
Physical Review A, cilt.108, sa.3, 2023 (SCI-Expanded)
- III. **Polarized Rabi-coupled and spinor boson droplets**
YOĞURT T. A., KELEŞ A., Oktel M.
Physical Review A, cilt.107, sa.2, 2023 (SCI-Expanded)
- IV. **Neural-network quantum states for a two-leg Bose-Hubbard ladder under magnetic flux**
Çeven K., Oktel M. Ö., Keleş A.
PHYSICAL REVIEW A, cilt.106, sa.6, 2022 (SCI-Expanded)
- V. **Dimers, trimers, tetramers, and other multimers in a multiband Bose-Hubbard model**
Iskin M., KELEŞ A.
Physical Review A, cilt.106, sa.4, 2022 (SCI-Expanded)
- VI. **Stability of (N+1) -body fermion clusters in a multiband Hubbard model**
Iskin M., KELEŞ A.
Physical Review A, cilt.106, sa.3, 2022 (SCI-Expanded)
- VII. **Spinor boson droplets stabilized by spin fluctuations**
YOĞURT T. A., KELEŞ A., Oktel M. Ö.
Physical Review A, cilt.105, sa.4, 2022 (SCI-Expanded)
- VIII. **Rise and fall of plaquette order in the Shastry-Sutherland magnet revealed by pseudofermion functional renormalization group**
KELEŞ A., Zhao E.
PHYSICAL REVIEW B, cilt.105, sa.4, 2022 (SCI-Expanded)
- IX. **f-wave superfluidity from repulsive interaction in Rydberg-dressed Fermi gas**
Keles A., Zhao E., Li X.
PHYSICAL REVIEW A, cilt.101, sa.2, 2020 (SCI-Expanded)
- X. **Scrambling dynamics and many-body chaos in a random dipolar spin model**
Keles A., Zhao E., Liu W. V.
PHYSICAL REVIEW A, cilt.99, sa.5, 2019 (SCI-Expanded)
- XI. **Weyl nodes in periodic structures of superconductors and spin-active materials**
Keles A., Zhao E.
PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES, cilt.376, sa.2125, 2018 (SCI-Expanded)
- XII. **Renormalization group analysis of dipolar Heisenberg model on square lattice**
Keles A., Zhao E.
PHYSICAL REVIEW B, cilt.97, sa.24, 2018 (SCI-Expanded)
- XIII. **Absence of Long-Range Order in a Triangular Spin System with Dipolar Interactions**
Keles A., Zhao E.
PHYSICAL REVIEW LETTERS, cilt.120, sa.18, 2018 (SCI-Expanded)

- XIV. **Effective theory of interacting fermions in shaken square optical lattices**
Keles A., Zhao E., Liu W. V.
PHYSICAL REVIEW A, cilt.95, sa.6, 2017 (SCI-Expanded)
- XV. **Competing many-body instabilities in two-dimensional dipolar Fermi gases**
Keles A., Zhao E.
PHYSICAL REVIEW A, cilt.94, sa.3, 2016 (SCI-Expanded)
- XVI. **Mott transition in a two-leg Bose-Hubbard ladder under an artificial magnetic field**
Keles A., Oktel M. O.
PHYSICAL REVIEW A, cilt.91, sa.1, 2015 (SCI-Expanded)
- XVII. **Theory of disordered unconventional superconductors**
Keles A., Andreev A. V., Spivak B. Z., Kivelson S. A.
JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, cilt.119, sa.6, ss.1109-1114, 2014 (SCI-Expanded)
- XVIII. **Vortex lattices in dipolar two-component Bose-Einstein condensates**
Ghazanfari N., Keles A., Oktel M. O.
PHYSICAL REVIEW A, cilt.89, sa.2, 2014 (SCI-Expanded)
- XIX. **Electron transport in p-wave superconductor-normal metal junctions**
Keles A., Andreev A. V., Spivak B. Z.
PHYSICAL REVIEW B, cilt.89, sa.1, 2014 (SCI-Expanded)
- XX. **Ground-state properties, vortices, and collective excitations in a two-dimensional Bose-Einstein condensate with gravitylike interatomic attraction**
Keles A., Sevincli S., Tanatar B.
PHYSICAL REVIEW A, cilt.77, sa.5, 2008 (SCI-Expanded)
- XXI. **Ground-state properties and collective excitations in a 2D Bose-Einstein condensate with gravity-like interatomic attraction**
Keles A., Sevincli S., Tanatar B.
JOURNAL OF LOW TEMPERATURE PHYSICS, cilt.150, ss.630-635, 2008 (SCI-Expanded)

Bilimsel Hakemlikler

PHYSICAL REVIEW LETTERS, SCI Kapsamındaki Dergi, Ekim 2018

PHYSICAL REVIEW LETTERS, SCI Kapsamındaki Dergi, Eylül 2018

Metrikler

Yayın: 21

Atf (WoS): 183

Atf (Scopus): 193

H-İndeks (WoS): 8

H-İndeks (Scopus): 8