

Assoc. Prof. MEHMET BATI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: R-9178-2018

ScopusID: 35197807100

Yoksis Researcher ID: 43961

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2010 - 2016

Postgraduate, Erciyes University, Fen Edebiyat Fakültesi, Fizik, Turkey 2007 - 2009

Undergraduate, Dokuz Eylul University, Fen Edebiyat Fakültesi, Fizik, Turkey 2001 - 2006

Foreign Languages

Arabic, A1 Beginner

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Recent Progress in the Physics of Thermal Transport, ICTP-ECAR (ICTP – Eurasian Centre for Advanced Research), 2017

Education Management and Planning, Uygulamalı Proje Yazma Eğitimi, Doğu Karadeniz Kalkınma Ajansı, 2017

Education Management and Planning, Workshop on Photonics : Fundamentals & Applications, ICTP-ECAR, 2015

Education Management and Planning, Nanoaygıt Fiziği Yaz Okulu, Feza Gürsey Yaz ve Kış Bilim Okulları, 2015

Education Management and Planning, Advanced Workshop on Landau-Zener Interferometry and Quantum Control in Condensed Matter, ICTP – Eurasian Centre for Advanced Research, 2014

Education Management and Planning, TÜBİTAK F. Gürsey Enstitüsü 2008 yoğun programlı FAZ GEÇİŞLERİ ve Renormalizasyon Grub dersi, Feza Gürsey Enstitüsü, 2008

Education Management and Planning, ITAP-IARS-Fundamental Concepts and Methods in Theoretical Condensed Matter Physics, ITAP-IARS, 2007

Foreign Language, Dokuz Eylül Üniversitesi, Yabancı diller Yükseokulu, 2001

Dissertations

Doctorate, Denge-Dışı Green Fonksiyonu Yöntemi Kullanılarak Çift Bariyer Yapısında Elektronik Taşınımın İncelenmesi, Dokuz Eylül University, Fen Bilimleri Enstitüsü, Fizik, 2016

Postgraduate, Karma Spin (1, 5/2) Isıng Sisteminin Dengeli ve Dengesiz Davranışları, Erciyes University, Fen Bilimleri

Enstitüsü, Fizik, 2009

Research Areas

Physics, General Physics, Mathematical Methods in Physics, Statistical physics, thermodynamic and nonlinear dynamic systems, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Equations of State, Phase Equilibria, and Phase Transitions, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Magnetic Properties and Materials, Electronic transport in condensed matter, Natural Sciences

Academic Titles / Tasks

Associate Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2019 - Continues

Assistant Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2018 - 2019

Assistant Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2018 - 2018

Research Assistant PhD, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2016 - 2018

Research Assistant, Dokuz Eylül University, Fen Bilimleri Enstitüsü, Fizik, 2011 - 2016

Research Assistant, Erciyes University, Fen Bilimleri Enstitüsü, Fizik, 2009 - 2011

Research Assistant, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2009 - 2009

Academic and Administrative Experience

Vice Dean, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, 2024 - Continues

Academic Performance D. Board Member, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2019 - Continues

Program Accreditation-Self-Assessment Committee Member, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2019 - Continues

Member of Department FEDEK Commission, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2018 - Continues

Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik, 2018 - Continues

Deputy Head of Department, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik, 2018 - 2023

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2018 - 2023

Courses

Malzeme Bilgisi, Undergraduate, 2023 - 2024

Fizik II, Undergraduate, 2023 - 2024

İleri Kuantum Mekaniği-II, Doctorate, 2023 - 2024

İstatistik Mekaniği, Postgraduate, 2023 - 2024

Kuantum Mekaniği 1, Undergraduate, 2023 - 2024

Fiziksel Risk Etmenleri, Postgraduate, 2022 - 2023

Fizik 2, Undergraduate, 2022 - 2023

Fizik I, Undergraduate, 2023 - 2024

İleri Kuantum Mekaniği, Postgraduate, 2023 - 2024

Kuantum Mekaniği II, Undergraduate, 2022 - 2023

Temel Bilgi Teknolojileri, Undergraduate, 2023 - 2024

Malzeme Bilgisi, Undergraduate, 2022 - 2023

Fizik I, Undergraduate, 2022 - 2023

Temel Bilgi Teknolojileri, Undergraduate, 2022 - 2023
Biyofizik, Undergraduate, 2022 - 2023
Fizik II, Undergraduate, 2021 - 2022
Fiziksel Risk Etmenleri, Postgraduate, 2022 - 2023
İleri Kuantum Mekaniği II, Doctorate, 2022 - 2023
Kuantum Mekaniği I, Undergraduate, 2022 - 2023
Fizik 1, Undergraduate, 2021 - 2022
Statistical MEchanic, Postgraduate, 2020 - 2021
Applied Engineering Physics, Undergraduate, 2019 - 2020
Optoelectronic, Postgraduate, 2019 - 2020
Engineering Physics, Undergraduate, 2020 - 2021
Basic Information Technologies, Undergraduate, 2019 - 2020
Software Programs in Physics, Undergraduate, 2019 - 2020
MATLAB programı ve uygulamaları, Undergraduate, 2020 - 2021
Mühendislik Fiziği, Undergraduate, 2019 - 2020, 2018 - 2019
Temel Bilgi Teknolojileri, Undergraduate, 2019 - 2020
İstatistik Mekanik, Postgraduate, 2019 - 2020
Temel Bilgi Teknolojileri II, Undergraduate, 2017 - 2018
Modern Fiziğin Kavramları, Undergraduate, 2018 - 2019
Temel Bilgi Teknolojileri I, Undergraduate, 2017 - 2018
Fizik 1 Uygulama, Undergraduate, 2013 - 2014
Kuantum mekaniği 1 Uygulama, Undergraduate, 2012 - 2013
Kuantum mekaniği 2 Uygulama, Undergraduate, 2012 - 2013
Fizik Laboratuvarı 4, Undergraduate, 2009 - 2010
Fizik Laboratuvarı 2, Undergraduate, 2009 - 2010
İstatistik Mekanik Uy., Undergraduate, 2009 - 2010
Elektronik Lab., Undergraduate, 2009 - 2010
Fizik Laboratuvarı 3, Undergraduate, 2008 - 2009

Advising Theses

Batı M., Testere dişi üçlü üçgen bariyer yapısında rezonans tünelleme olayının incelenmesi, Postgraduate, G.CORUH(Student), 2023
Batı M., Hiperbolik Pöschl-Teller potansiyel üçlü kuantum bariyerlerinin rezonant tünelleme özelliklerinin incelenmesi, Postgraduate, A.UKAN(Student), 2022

Jury Memberships

Competition, Liseler Arası Proje yarışması, Recep Tayyip Erdogan University, March, 2023
Post Graduate, Tez Savunma Dilek ZENGİN, Recep Tayyip Erdoğan Üniversitesi, April, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Resonant tunneling properties of laser dressed hyperbolic Pöschl-Teller double barrier potential**
Bati M.
PHYSICA E: LOW-DIMENSIONAL SYSTEMS AND NANOSTRUCTURES, vol.165, no. 116126, pp.1-10, 2025 (SCI-Expanded)
- II. **Bilayer graphene like-structure in the presence of a time-dependent magnetic field**

- Bati M., Ertas M.
PHYSICA A: STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.658, pp.130268-130278, 2025 (SCI-Expanded)
- III. **Kinetic phase phenomena of model with the chemical formula $AB(p)C(1-p)$ on honeycomb lattice**
Bati M., Ertas M.
Micro and Nanostructures, vol.189, pp.207800, 2024 (SCI-Expanded)
- IV. **Dynamic hysteresis curves in a mixed spin ternary alloy system under the time-dependent magnetic field**
Ertas M., Bati M.
PHYSICA SCRIPTA, no.98, pp.95944, 2023 (SCI-Expanded)
- V. **Dynamic magnetic properties of spin-7/2 multilayer Ising system in an oscillating magnetic field**
Ertas M., Bati M.
PHASE TRANSITIONS, vol.96, no.3-4, pp.246-257, 2023 (SCI-Expanded)
- VI. **Dynamic magnetic properties of a mixed ferro-ferrimagnetic ternary alloy in the form of $AB(p)C(1-p)$ with single-ion anisotropy**
BATI M., ERTAS M.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.573, 2021 (SCI-Expanded)
- VII. **Magnetic properties of spin-7/2 Blume-Capel chain under a magnetic field**
Karimou M., Bati M.
SOLID STATE COMMUNICATIONS, vol.324, 2021 (SCI-Expanded)
- VIII. **Dynamic magnetic features of a mixed ferro-ferrimagnetic ternary alloy in the form of $AB(p)C(1-p)$**
BATI M., ERTAS M.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.136, no.1, 2021 (SCI-Expanded)
- IX. **The effects of the intense laser field on the resonant tunneling properties of the symmetric triple inverse parabolic barrier double well structure**
BATI M.
PHYSICA B-CONDENSED MATTER, vol.594, 2020 (SCI-Expanded)
- X. **Dynamic critical phenomena in a multilayer Ising system**
ERTAS M., BATI M.
CHINESE JOURNAL OF PHYSICS, vol.66, pp.724-732, 2020 (SCI-Expanded)
- XI. **Dynamic hysteresis and compensation behaviors of the bilayer Blume-Capel model under an oscillating magnetic field**
Bati M.
MODERN PHYSICS LETTERS B, vol.33, no.30, 2019 (SCI-Expanded)
- XII. **Magnetic properties of the spin-5/2 Blume-Capel chain in a magnetic field**
Sensoy M. G., Bati M.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.113, pp.21-24, 2019 (SCI-Expanded)
- XIII. **Electronic Transport and Resonant Tunneling Properties of Hyperbolic Poschl-Teller Double-Barrier Structures**
Bati M.
JOURNAL OF COMPUTATIONAL AND THEORETICAL TRANSPORT, vol.48, no.2, pp.66-76, 2019 (SCI-Expanded)
- XIV. **Dynamic hysteresis loops of the spin-2 bilayer Ising model**
ERTAS M., Bati M., Temizer U.
CHINESE JOURNAL OF PHYSICS, vol.56, no.3, pp.807-818, 2018 (SCI-Expanded)
- XV. **Resonant tunneling properties of inverted Morse double quantum barrier**
Bati M.
CHINESE JOURNAL OF PHYSICS, vol.56, no.2, pp.593-597, 2018 (SCI-Expanded)
- XVI. **Mixed Spin (1,5/2) Ising Ferromagnetic Blume-Capel Model Under Time-Dependent Sinusoidal Magnetic Field: an Effective-Field Theory Analysis**
Bati M.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.31, no.3, pp.821-831, 2018 (SCI-Expanded)
- XVII. **Effect of the Hamiltonian parameters on the hysteresis properties of the kinetic mixed spin (1/2,1)**

Ising ferrimagnetic model on a hexagonal lattice

Bati M., ERTAŞ M.

PHYSICA B-CONDENSED MATTER, vol.513, pp.40-47, 2017 (SCI-Expanded)

XVIII. Dynamic magnetic hysteresis properties of two-dimensional ferrimagnetic structures containing high-spin ($S=5/2$) and low-spin ($S=1/2$)

Bati M., ERTAŞ M.

PHASE TRANSITIONS, vol.90, no.9, pp.863-872, 2017 (SCI-Expanded)

XIX. Dynamic Magnetic Hysteresis Properties in a Two-Dimensional Mixed Ising System Designed with Integer and Half-Integer Spins

Bati M., ERTAŞ M.

JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.29, no.11, pp.2835-2841, 2016 (SCI-Expanded)

XX. Effect of the Hamiltonian parameters on Blume-Capel Ising ferromagnet system with single-ion anisotropy

Bati M., ERTAŞ M.

SUPERLATTICES AND MICROSTRUCTURES, vol.98, pp.259-266, 2016 (SCI-Expanded)

XXI. Electron transport in electrically biased inverse parabolic double-barrier structure

Bati M., Sakiroglu S., Sokmen I.

CHINESE PHYSICS B, vol.25, no.5, 2016 (SCI-Expanded)

XXII. Dynamic Phase Diagrams of a Mixed Spin-1 and Spin-5/2 Ising System in an Oscillating Magnetic Field

KESKİN M., Canko O., Bati M.

JOURNAL OF THE KOREAN PHYSICAL SOCIETY, vol.55, no.4, pp.1344-1356, 2009 (SCI-Expanded)

XXIII. The effective-field study of a mixed spin-1 and spin-5/2 Ising ferrimagnetic system

Deviren B., Bati M., KESKİN M.

PHYSICA SCRIPTA, vol.79, no.6, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. Cumhuriyet Dönemi'nde Türkiye'de Fizik: Fiziğin Hayatımızdaki Yeri

Bati M.

Takvim-i Vekayi, vol.12, no.2, pp.109-117, 2024 (Peer-Reviewed Journal)

II. Resonant Tunneling Properties in The Sawtooth Triple Barrier Structures

Bati M., Coruh G.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.41, no.4, pp.2025-2034, 2024 (ESCI)

III. Analysis of the Relationship Between the Climate Characteristics of the Tea Producing Regions of the Leading Countries in Tea Production

Bati M., Şahin M.

Takvim-i Vekai, vol.10, no.1, pp.89-102, 2022 (Peer-Reviewed Journal)

IV. Hierarchical clustering of selected countries according to the variables of population, national income and exports of goods and services

Ertuş S. A., Bati M.

Ömer Halisdemir Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.14, no.4, pp.1328-1339, 2021 (Peer-Reviewed Journal)

V. Investigation of Relation of Electron Transmission and Energy State to Structure Parameters and The Intense Laser Field in The Triple Inverse Parabolic Quantum Barrier Double Well Potential

Bati M.

International journal of advances in engineering and pure sciences (Online), vol.33, no.2, pp.243-249, 2021 (Peer-Reviewed Journal)

VI. TÜRKİYE VE AVRUPA ÜLKERİNİN SOSYAL HİZMET POLİTİKALARININ ÇEŞİTLİ GÖSTERGELER AÇISINDAN KARŞILAŞTIRILMASI

- ERTAŞ S. A., BATI M.
Euroasia Journal of Social Sciences Humanities, pp.21-28, 2020 (Peer-Reviewed Journal)
- VII. **Dynamic Hysteresis Properties of Mixed Spin (1, 5/2) Ising Ferrimagnetic Blume- Capel Model: An Effective-Field Theory Analysis**
BATI M., ERTAŞ M.
Advanced Science, Engineering and Medicine, vol.11, pp.583-586, 2019 (Peer-Reviewed Journal)
- VIII. **Resonant Tunneling Properties of Gaussian Double Barrier Potential and Effect of the Electric Field Bias**
BATI M.
Cumhuriyet Science Journal, vol.40, no.1, pp.158-161, 2019 (Peer-Reviewed Journal)
- IX. **Investigation of Magnetic Properties of Spin 5/2 Ising Chain by Using Transfer Matrix Method**
ŞENSOY M. G., BATI M.
Sakarya University Journal of Science, vol.22, no.6, pp.1901-1906, 2018 (Peer-Reviewed Journal)
- X. **Testere Dişı Çift Bariyer Yapısında Rezonans Tünelleme Olayının İncelenmesi**
Bati M.
Academic Platform-Journal of Engineering and Science, vol.5, no.3, pp.95-100, 2017 (Peer-Reviewed Journal)
- XI. **Investigation of the Wars of the War of National Struggle with the Least Spanning Tree Method**
Yıldız M., Batı M., Şahin M.
Celal Bayar Üniversitesi Sosyal Bilimler Dergisi, vol.15, no.3, pp.19-36, 2017 (Peer-Reviewed Journal)
- XII. **Statistical Analysis of the Relationship between the Votes Received by Political Parties in the General Elections between 2002-2016**
Bati M., Yıldız M.
Memleket Siyaset Yönetim, vol.12, no.26, pp.135-150, 2017 (Peer-Reviewed Journal)
- XIII. **Electronic energy state and transmission properties study of parabolic double quantum well using Non-equilibrium Green function method**
Bati M.
Turkish Journal of Materials, vol.1, pp.15-18, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Terslenmiş Morse Çift Kuantum Potansiyel Bariyerinde Elektron İletimi ve Rezonans Tünelleme**
Bati M.
INTERNATIONAL ONLINE CONFERENCES ON ENGINEERING AND NATURAL SCIENCES, Gümüşhane, Turkey, 5 - 07 July 2021, pp.1
- II. **DENGE DIŞI GREEN FONKSİYONU YÖNTEMİ İLE KUANTUM SİSTEMLERİN ENERJİ SEVİYELERİNİN TESPİTİ**
BATI M.
2. Uluslararası Uygulamalı Bilimler Kongresi, 23 - 25 August 2019
- III. **DÜNYADAKİ ÇAY ÜRETİMİ YAPAN ÜLKELER ARASINDAKİ ÇAY ÜRETİM MİKTARLARININ DEĞİŞİM İLİŞKİLERİNİN İSTATİSTİKSEL ANALİZİ**
Şahin M., Batı M.
UMTEB - 4. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Erzurum, Turkey, 7 - 09 December 2018, pp.1
- IV. **Magnetic properties and plateaus behavior of the spin-5/2 chain compounds: A Blume-Capel model**
BATI M., ŞENSOY M. G.
34th International Physics Conference of Turkish Physical Society, Muğla, Turkey, 5 - 09 September 2018, pp.541
- V. **Electronic transport properties of hyperbolic Pöschl-Teller multi-barrier structures**
BATI M.
34th International Physics Conference of Turkish Physical Society, Muğla, Turkey, 5 - 09 September 2018, pp.278
- VI. **Karma spin (1-5/2) Ising sisteminin kare örgüde dinamik manyetik faz diyagramları ve histeresis**

özellikleri

BATI M.

25. İstatistiksel Fizik Günleri, Turkey, 28 - 30 June 2018

- VII. **Effect of time dependent sinusoidal magnetic field on mixed spin (1, 5/2) Ising ferromagnetic Blume-Capel model: An Effective-Field Theory analysis.**
BATI M., ERTAŞ M.
2nd International Science Symposium (ISS2017) Tiflis-Gürcistan, Tiflis, Georgia, 5 - 09 September 2017
- VIII. **Dynamic hysteresis properties of mixed spin (1, 5/2) Ising ferrimagnetic Blume-Capel model: An Effective-Field Theory analysis**
BATI M., ERTAŞ M.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 - 09 October 2017
- IX. **Investigation of the Wars of the National Struggle Period with the Minimum Spanning Tree Method**
Yıldız M., Batı M., Şahin M.
2nd International Science Symposium (ISS2017) Tiflis-Gürcistan, Tbilisi, Georgia, 5 - 09 September 2017, pp.20-34
- X. **Ters parabolik çoklu kuantum bariyer yapısında rezonant tünelleme olayı**
BATI M., ŞAKİROĞLU S., SÖKMEN İ.
2017 Yoğun Madde Fiziği İzmir Toplantısı, İzmir, Turkey, 21 April 2017
- XI. **Electronic energy state and transmission properties study of triple barrier parabolic double quantum well using Non-Equilibrium Green function method**
BATI M.
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 4 October - 09 January 2017
- XII. **Dynamic hysteresis properties in a two dimensional mixed Ising system designed with integer and half integer spins**
BATI M.
Turkish Physical Society 32nd International Physics congress, 6 - 09 September 2016
- XIII. **Denge dışı Green fonksiyonu yöntemi kullanılarak kuantum çift bariyer yapılarında elektronik taşınımın incelenmesi**
BATI M., ŞAKİROĞLU S., SÖKMEN İ.
IV İzmir Genç Fizikçiler Kongresi, Turkey, 12 - 14 October 2016
- XIV. **Electron transport in electrically biased inverse parabolic double barrier structure**
BATI M., ŞAKİROĞLU S., SÖKMEN İ.
Turkish Physical Society 32nd International Physics congress, 6 - 09 September 2016
- XV. **Bir boyutlu nano cihazlarda taşınımın denge dışı Green fonksiyonu ile incelenmesi**
BATI M., ŞAKİROĞLU S., AKGÜNGÖR K., SÖKMEN İ.
2015 Yoğun Madde Fiziği İzmir Toplantısı, Turkey, 17 - 19 April 2015
- XVI. **Denge dışı Green fonksiyonu rezonans tünelleme cihazı**
BATI M., AKGÜNGÖR K., ŞAKİROĞLU S., SÖKMEN İ.
2014 Yoğun Madde Fiziği İzmir Toplantısı, Turkey, 11 April 2014
- XVII. **A novel symmetry behaviors in the magnetic properties of the mixed core shell Ising nanowire**
NUMAN Ş., BATI M., KESKİN M.
NANOTR8, 25 - 29 June 2012
- XVIII. **Denge dışı Green fonksiyonları ile nano cihaz modelleme**
BATI M., AKGÜNGÖR K., SÖKMEN İ.
2012 Yoğun Madde Fiziği İzmir Toplantısı, Turkey, 6 - 08 April 2012
- XIX. **The effective field study of a mixed spin 1 and spin 5/2 Ising ferrimagnetic system**
DEVİREN B., BATI M., KESKİN M.
16. İstatistiksel Fizik Günleri, Turkey, 25 - 27 June 2009
- XX. **Yenilenebilir enerji kaynakları rüzgar enerjisi**
BATI M.

Other Publications

I. KUANTUM İSTATİSTİK MEKANİK

Bati M.

Lecture Note, pp.108-218, 2007

Supported Projects

BATI M., TUBITAK Project, Kinetik Karma-Spin (Yarım Tamsayılı-Tamsayılı, Yarım Tamsayılı-Yarım Tamsayılı ve Tamsayılı-Tamsayılı) Sistemlerinde Dinamik Faz Geçişleri: Sıcaklık-Manyetik Alan Genliği ve Sıcaklık-Etkileşim Parametreleri Düzlemlerinde Dinamik Faz Diyagramları, 2007 - 2009

Activities in Scientific Journals

International Letters of Chemistry, Physics and Astronomy, Editor, 2018 - Continues

Turkish Journal of Materials, Publication Committee Member, 2016 - Continues

Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği, Member, 2016 - Continues

Scientific Refereeing

EUROPEAN PHYSICAL JOURNAL B, SCI Journal, November 2024

Physica A: Statistical Mechanics and its Applications, SCI Journal, October 2024

CUMHURİYET SCIENCE JOURNAL, National Scientific Refreed Journal, October 2024

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, SCI Journal, August 2024

JOURNAL OF APPLIED PHYSICS, SCI Journal, June 2024

JOURNAL OF MATERIALS SCIENCE, SCI Journal, March 2024

JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, SCI Journal, February 2024

JOURNAL OF MATERIALS SCIENCE, SCI Journal, January 2024

JOURNAL OF APPLIED PHYSICS, National Scientific Refreed Journal, January 2024

APPLIED PHYSICS LETTERS, SCI Journal, December 2023

APPLIED PHYSICS LETTERS, SCI Journal, May 2023

ADVANCES IN NATURAL SCIENCES : NANOSCIENCE AND NANOTECHNOLOGY, Journal Indexed in ESCI, March 2023

PHILOSOPHICAL MAGAZINE, SCI Journal, January 2023

PHILOSOPHICAL MAGAZINE, SCI Journal, August 2022

INDIAN JOURNAL OF PHYSICS, SCI Journal, April 2022

EUROPEAN PHYSICAL JOURNAL B, SCI Journal, July 2021

International Journal Of Modern Physics B, SCI Journal, May 2021

MODERN PHYSICS LETTERS B, SCI Journal, October 2020

Journal of Magnetism and Magnetic Materials, SCI Journal, January 2020

Chinese Journal of Physics, SCI Journal, January 2020

Journal of Physics: Condensed Matter, SCI Journal, January 2020

Project Supported by Higher Education Institutions, January 2020

Chinese Journal of Physics, SCI Journal, December 2019
Journal of Magnetism and Magnetic Materials, SCI Journal, November 2019
Journal of Physics Condensed Matter , SCI Journal, September 2019
SMART MATERIALS AND STRUCTURES, SCI Journal, July 2019
Smart materials and structure, SCI Journal, July 2019
Project Supported by Higher Education Institutions, July 2019
Chinese Journal of Physics, SCI Journal, January 2019
Journal of magnetism and magnetic metarials, SCI Journal, October 2018
Journal of magnetism and magnetic metarials, SCI Journal, October 2018
Journal of Physics: Condensed Matter, SCI Journal, September 2018
International Journal of Thermophysics, SCI Journal, September 2018
Journal of Magnetism and Magnetic Materials, SCI Journal, September 2018
Journal of Magnetism and Magnetic Materials, SCI Journal, August 2018
Journal of Physics: Condensed Matter, National Scientific Refreed Journal, August 2018
IJMP, SCI Journal, May 2018
Journal of Physics: Condensed Matter, SCI Journal, April 2018
International Journal of Modern Physics B, SCI Journal, March 2018
Journal of Physics: Condensed Matter, SCI Journal, March 2018
Project Supported by Higher Education Institutions, February 2018
Akademik Platform Mühendislik ve Fen Bilimleri Dergisi, National Scientific Refreed Journal, January 2018
JMMM, SCI Journal, September 2017
Journal of magnetism and magnetic materials, SCI Journal, August 2017
Chinese Journal of Physics, SCI Journal, July 2017
Modern Physics Letters B, SCI Journal, May 2017
Helion, SCI Journal, April 2017
Physica A, SCI Journal, March 2017
JOURNAL OF APPLIED PHYSICS, SCI Journal, May 2015
JOURNAL OF APPLIED PHYSICS, SCI Journal, October 2014

Scientific Consultations

TÜBİTAK, Other, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, Turkey, 2022 - Continues

Metrics

Publication: 59
Citation (WoS): 141
Citation (Scopus): 213
H-Index (WoS): 10
H-Index (Scopus): 10

Congress and Symposium Activities

INTERNATIONAL ONLINE CONFERENCES ON ENGINEERING AND NATURAL SCIENCES, Attendee, Gümüşhane, Turkey, 2021
2. Uluslararası Uygulamalı Bilimler Kongresi, Attendee, Rize, Turkey, 2019
UMTEB - 4. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Attendee, Erzurum, Turkey, 2018
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Attendee, Muğla, Turkey, 2018

24. İstatistiksel Fizik Günleri, Attendee, İzmir, Turkey, 2018
YMF İzmir Toplantısı, Attendee, İzmir, Turkey, 2018
4th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Attendee, Antalya, Turkey, 2017
ISS2017 International Science Symposium, Attendee, Tbilisi, Georgia, 2017
Recent Progress in Physics of thermal transport, Attendee, İzmir, Turkey, 2017
Yoğun Madde Fiziği İzmir Toplantısı, Attendee, İzmir, Turkey, 2017
GEFİK 2016 Genç Fizikçiler Toplantısı, Attendee, İzmir, Turkey, 2016
TFD 32. Uluslar arası Fizik Kongresi, Attendee, Muğla, Turkey, 2016
Workshop on Photonics : Fundamentals & Applications (ICTP-ECAR), Attendee, İzmir, Turkey, 2015
Nanoaygıt Fiziği Yaz Okulu, Attendee, İstanbul, Turkey, 2015
YMF İzmir Toplantısı, Attendee, Turkey, 2015
Advanced Workshop on Landau-Zener Interferometry and Quantum Control in Condensed Matter, Attendee, Turkey, 2014
YMF İzmir Toplantısı, Attendee, Turkey, 2014
GEFİK 2013 "İzmir Genç Fizikçiler Kongresi", Attendee, İzmir, Turkey, 2013
Coherence and Condensation in Low Dimensional Systems, Attendee, Turkey, 2012
Eurasia-Pacific Summer School & Workshop on Strongly Correlated Electrons, Attendee, Muğla, Turkey, 2012
GEFİK 2012 İzmir Genç Fizikçiler Kongresi, Attendee, Turkey, 2012
NANOTR8, Attendee, Ankara, Turkey, 2012
YMF İzmir Toplantısı, Attendee, Turkey, 2012
Cost Action MP0805 İzmir Meeting and Training School, Attendee, İzmir, Turkey, 2011
16. İstatistiksel Fizik Günleri, Attendee, Turkey, 2009
Etkin Alan Teorisi" TÜBİTAK F. Gürsey Enstitüsü 2008 yoğun programlı FAZ GEÇİŞLERİ ve Renormalizasyon Grub dersi, Attendee, İstanbul, Turkey, 2008
ITAP IARS Fundamental Concepts and Methods in Theoretical Condensed Matter Physics, Attendee, Turkey, 2007
Fourth international student conference of the balkan physical union, Attendee, Muğla, Turkey, 2006

Awards

BATI M., Certificate of outstanding contribution in reviewing, Journal of Magnetism and Magnetic Materials - Elsevier, April 2018
BATI M., Certificate of Reviewing, Journal of Magnetism and Magnetic Materials - Elsevier, August 2017
BATI M., Fen Edebiyat Fakülte Birinciliği, Dokuz Eylül Üniversitesi, June 2006