Prof. ALİ BAYRİ

Personal Information

Education Information

Doctorate, Bath Spa University College, School Of Physics, Physics, United Kingdom 1989 - 1993
Under Graduate, Inonu University, Fen-Edebiyat Fakültesi, Fizik, Turkey 1981 - 1985

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Physics, Atomic and Molecular Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Natural Sciences

Academic Titles / Tasks

Professor, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2012 - Continues
Professor, Adiyaman University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2007 - 2012

Professional Experience

Head of Department, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2014 - Continues
Head of Department, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2013 - Continues
Head of Department, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2012 - Continues
Dean, Adiyaman University, Fen-Edebiyat Fakültesi, 2007 - 2012
Director of Vocational School, Inonu University, Akçadağ Meslek Yüksekokulu, 2002 - 2007

Advising Theses

BAYRİ A., Sıvı kristaller, genel özellikleri, sıvı kristallerin sentezi ve uygulama alanları, Post Graduate, Z.EKİCİ(Student), 2014
BAYRİ A., FMF hastalığının (Ailesel Akdeniz Ateşi) pürin-pirimidin dalgalanmaları ve DNA, Post Graduate, Ö.FİLAZİ(Student), 2010

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

I. **LiNi0.8Co0.15Ti0.05O2: synthesis by solid state reaction and investigation of structural and electrochemical properties with enhanced battery performance**

Bayri A., Gocer E., Altin E., Altundag S., Oz E., Harfouche M., Altin S., Avci S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 2020 (Journal Indexed in SCI)

II. **An investigation of the improvement in energy storage performance of Na(2/3)Mn(1/2)Fe(1/2)O(2)by systematic Al-substitution**
Altin S., Altundag S., Altin E., Harfouche M., Bayri A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, pp.14784-14794, 2020 (Journal Indexed in SCI)

III. **An attempt to understand the observed plateau of the magnetization in tetranuclear iron(II) complexes of thiacalixarene macrocycles**
Bayri A., BAKIR H. G. , SÜLÜ M., KARAKAPLAN M.
PRAMANA-JOURNAL OF PHYSICS, vol.74, pp.391-397, 2010 (Journal Indexed in SCI)

IV. **HIGH PROBABILITY OF LARGE ORBITAL ANGULAR MOMENTUM CONTRIBUTION TO THE MAGNETIC MOMENT OF COBALT(II) ION IN NEWLY REPORTED MACROCYCLIC COMPLEX CONTAINING AMIDE, IMINE AND SECONDARY AMINE FUNCTIONS**
BAYRİ A., Aytekin O.
REVIEWS IN INORGANIC CHEMISTRY, vol.28, pp.203-216, 2008 (Journal Indexed in SCI)

V. **Magnetochemistry of some trinuclear Co(II) thiocarboxylates**
Bayri A., Aytekin O., SÜLÜ M., KARAKAPLAN M.
MODERN PHYSICS LETTERS B, vol.22, pp.677-684, 2008 (Journal Indexed in SCI)

VI. **Sizeable amount of antiferromagnetic exchange interactions in newly reported dimeric cobalt (II) complex of the antiprine Schiff base of 3-formylsalicylic acid**
AVCU F. M. , AYTEKIN O., KARAKAPLAN M., BAYRI A.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.10, pp.589-591, 2008 (Journal Indexed in SCI)

VII. **Theoretical approach to the magnetic properties of Mn(II), Cr(III), and Cu(II) complexes in the newly reported 12-and 15-membered macrocyclic ligands**
Bayri A., Karakaplan M.
PRAMANA-JOURNAL OF PHYSICS, vol.69, pp.301-306, 2007 (Journal Indexed in SCI)

VIII. **Huge antiferromagnetic exchange interactions in newly reported copper(II) complex of the antiprine Schiff base of 3-formylsalicylic acid**
Bayri A.
MODERN PHYSICS LETTERS B, vol.20, pp.1803-1807, 2006 (Journal Indexed in SCI)

IX. **Theoretical approach to the magnetic properties of Co(II) ion in CoL2 center dot 5H(2)O compound (L is 5-chloro-2-methoxybenzoate)**
BAYRI A., Sulu M., ISIK F.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.47, pp.869-874, 2006 (Journal Indexed in SCI)

X. **Insignificant next nearest neighbor effect in Ni(II)-[2 x 2] grid**
Bayri A.
MODERN PHYSICS LETTERS B, vol.20, pp.971-979, 2006 (Journal Indexed in SCI)

XI. **Magnetic behavior of trinuclear vanadium(II)-diamine complexes. Part 2. Large intramolecular antiferromagnetic exchange interactions in a triangular unit**
Bayri A., Sulu M.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.16, pp.185-188, 2006 (Journal Indexed in SCI)

XII. **Antiferromagnetic exchange interactions. Part 1. Newly reported nickel(II) complex of the antiprine schiff base of 3-formylsalicylic acid**
Bayri A.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.16, pp.97-99, 2006 (Journal Indexed in SCI)

XIII. **Magnetic properties of crystalline gamma-MnS thin films**
GUMUS C., BAYRI A., ULUTAS C., Karakaplan M., UFUKTEPE Y.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.8, pp.261-265, 2006 (Journal Indexed in SCI)

XIV. **Surprising magnetic behavior of cobalt(II) ion in recently prepared macrocycle complexes. Distortion versus intermolecular antiferromagnetic exchange interactions**
Bayri A., Bahadir A. R. , Avcu F. M. , AYTEKIN O.
TRANSITION METAL CHEMISTRY, vol.30, pp.987-991, 2005 (Journal Indexed in SCI)

XV. **UV-light absorption properties of Cr-doped polyethyleneglycol (PEG)/gamma-glycidoxypropyltrimethoxysilane (GPTMS)/chelated-titanium coating materials prepared by the sol-gel process**
Sayilkan F., ASILTURK M., ICDUYGU G., BAYRI A., SAYILKAN H.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.15, pp.281-285, 2005 (Journal Indexed in SCI)

XVI. **SPIN IMPURITIES IN NONCOLLINEAR ANTIFERROMAGNETS WITH MN3PT AS AN EXAMPLE**
LONG M., BAYRI A.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.5, pp.7719-7736, 1993 (Journal Indexed in SCI)

XVII. **LONG-RANGE MAGNETIC-IMPURITIES IN GAMMA-MNCU ALLOYS**
LONG M., BAYRI A.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.5, 1993 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Computational Investigation Of Magnetic Interactions In Polynuclear Fe 2 Complexes**
BAKIR H. G. , BAYRİ A.
Sözlü Sunum, International Conference On Superconductivity And Magnetism 2016, fethiye, Turkey, 24 - 30 April 2016

Supported Projects

ALTIN S., ÖNAL Y., DEMİREL S., BAYRİ A., YAŞAR S., ALTIN E., BULUT F., Project Supported by Higher Education Institutions, Şarjedilebilir mini/mikro-pil üretimi ve elektrokimyasal performanslarının belirlenmesi, 2017 - 2019
BAYRİ A., Other Supported Projects, Mikrobiyal Yakıt Hücresi İçin Yeni Geliştirilen Elektrot Yüzeyinde Oluşan Ekzoelektrojen Bakterilerin Biyofilm Karakteristiklerinin İncelenmesi, 2015 - 2017

Citations

Total Citations (WOS):176
h-index (WOS):8