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Eğitim Bilgileri

Doktora, University Of Massachusetts Lowell, Science Faculty, Physics/ General Physics, Amerika Birleşik Devletleri 1993 - 1997

Yüksek Lisans, University Of Missouri-Columbia, Science Faculty, Physics/ General Physics, Amerika Birleşik Devletleri 1991 - 1993

Lisans, Erciyes Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, Türkiye 1986 - 1990

Yabancı Diller

İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

Eğitim Yönetimi ve Planlama, Eğitim Formasyonu, Erciyes Üniversitesi, 1990

Yaptığı Tezler

Doktora, Computer Modeling For the Two- and Three-Dimensional Avalanche Photodiode, University Of Massachusetts Lowell, Science Faculty, Physics/ General Physics, 1997

Yüksek Lisans, Absorption and Scattering from the Spherical Particles, University Of Missouri-Columbia, Science Faculty, Physics/ General Physics, 1993

Araştırma Alanları

Fizik, Genel Fizik, Fiziğin Matematiksel Yöntemleri, Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler , Durum yoğunluğu, faz dengesi ve faz geçişleri, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Manyetik özellikler ve malzemeler, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Erciyes Üniversitesi, Fen Fakültesi, Fizik , 2009 - Devam Ediyor

Doç.Dr., Erciyes Üniversitesi, Fen Fakültesi, Fizik , 2003 - 2009

Yrd.Doç.Dr., Erciyes Üniversitesi, Fen Fakültesi, Fizik , 1998 - 2003

Öğretim Görevlisi Dr., Erciyes Üniversitesi, Fen Fakültesi, Fizik , 1997 - 1998

Araştırma Görevlisi, University Of Massachusetts Lowell, Science Faculty, Physics, 1996 - 1997

Araştırma Görevlisi, University Of Missouri-Columbia, Science Faculty, Physics, 1992 - 1993

Akademik İdari Deneyim

Erciyes Üniversitesi, 2009 - 2013

Erciyes Üniversitesi, 2009 - 2012

Erciyes Üniversitesi, 2009 - 2012

Verdiği Dersler

Dalgalar ve Titreşimler, Lisans, 2011 - 2012

Kuantum Mekaniği I, Yüksek Lisans, 2008 - 2009

Yönetilen Tezler

ALBAYRAK E., The Obtaining of the Phase Diagrams for AFM/AFM and FM/AFM Cases of Spin-1 Ising Model on a Two-Layer Bethe Lattice, Doktora, Ş.Akkaya(Öğrenci), 2011

ALBAYRAK E., The Phase Diagrams of spin-1/2 Ising AFM/AFM ve FM/AFM Models on the Two-Layer Bethe Lattice with External Magnetic Field, Yüksek Lisans, T.Cengiz(Öğrenci), 2010

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ALBAYRAK E., The Phase Diagrams of Spin-3/2 Ising Models for the AFM/AFM ve FM/AFM Cases on Two-layer Bethe Lattices, Doktora, A.Yiğit(Öğrenci), 2010

ALBAYRAK E., The Phase Diagrams for the Spin-(S=1/2, ?=1), Spin-(S=1, ?=3/2) and Spin-(S=3/2, ?=1/2) Ising Models on a Two-Layer Bethe Lattice, Yüksek Lisans, T.Bulut(Öğrenci), 2008

ALBAYRAK E., The Exact Phase Diagrams of the Spin-2 Ising model on a Two-Layer Bethe Lattice with and without Crystal Fields, Yüksek Lisans, Ş.Akkaya(Öğrenci), 2007

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ALBAYRAK E., The Critical Behaviors of the mixed spin-1 and spin-2 Blume-Capel Ising Ferromagnetic System, Yüksek Lisans, A.Yiğit(Öğrenci), 2006

ALBAYRAK E., The Analysis of mixed-spin spin-1/2 and spin-3/2 Ising System on the Bethe Lattice with Recursion Relations, Yüksek Lisans, A.Alçı(Öğrenci), 2004

ALBAYRAK E., The Analysis of Spin-1 Blume-Emery-Griffiths Model by Using the Recursion Relations on the Bethe Lattice, Yüksek Lisans, Ö.Özkan(Öğrenci), 2002

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Effects of the random single-ion anisotropy on the spin-1 Blume-Emery-Griffiths model**
Kple J, Hontinfinde F, ALBAYRAK E.
Journal of Magnetism and Magnetic Materials, cilt.537, 2021 (SCI İndekslerine Giren Dergi)
- II. **Random transverse crystal-field effects on the magnetic properties of the spin-3/2 Blume-Capel model**
Kple J, Hontinfinde F, ALBAYRAK E.
PHYSICA B-CONDENSED MATTER, cilt.619, 2021 (SCI İndekslerine Giren Dergi)
- III. **$\pm J$ Blume-Capel Model with external magnetic field in the cluster variation method**

- ALBAYRAK E.
Physica A: Statistical Mechanics and its Applications, cilt.575, 2021 (SCI İndekslerine Giren Dergi)
- IV. **Random crystal field effects on antiferromagnetic spin-1 Blume-Capel model**
Albayrak E.
Modern Physics Letters B, cilt.35, sa.2150286, ss.2150286, 2021 (SCI Expanded İndekslerine Giren Dergi)
- V. **Trimodal-random field Blume-Capel model**
ALBAYRAK E.
MODERN PHYSICS LETTERS B, cilt.35, sa.16, 2021 (SCI İndekslerine Giren Dergi)
- VI. **Random crystal field effects on antiferromagnetic spin-1 Blume-Capel model**
ALBAYRAK E.
Modern Physics Letters B, cilt.35, 2021 (SCI İndekslerine Giren Dergi)
- VII. **The thermal properties of the mixed spin-1/2, 1, 3/2 Ising model on the Bethe lattice**
Kple J., Albayrak E., Hontinfinde F.
MODERN PHYSICS LETTERS B, cilt.35, sa.4, 2021 (SCI İndekslerine Giren Dergi)
- VIII. **Anisotropic Heisenberg model for the mixed spin-3/2 and spin-1/2 under random crystal field**
Takou D. S., Karimou M., Hontinfinde F., Albayrak E.
CONDENSED MATTER PHYSICS, cilt.24, sa.1, 2021 (SCI İndekslerine Giren Dergi)
- IX. **The random field Blume-Capel model on the Bethe lattice**
Albayrak E.
Chinese Journal of Physics, cilt.68, ss.100-105, 2020 (SCI İndekslerine Giren Dergi)
- X. **The study of mixed spin-1 and spin-1/2: Entropy and isothermal entropy change**
ALBAYRAK E.
Physica A: Statistical Mechanics and its Applications, cilt.559, 2020 (SCI İndekslerine Giren Dergi)
- XI. **Staggered Quadrupolar Phase in the Bond-Diluted Spin-1 Blume-Emery-Griffiths Model**
Kple J., Hontinfinde F., Albayrak E.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, cilt.59, sa.12, ss.3915-3935, 2020 (SCI İndekslerine Giren Dergi)
- XII. **The critical behaviors of the mixed spin-1/2 and spin-2 model in a random crystal field**
Barut O., Yigit A., Albayrak E.
Journal of Magnetism and Magnetic Materials, cilt.513, 2020 (SCI İndekslerine Giren Dergi)
- XIII. **Spin-1 Ising model with nearest and next-nearest bilinear and biquadratic interactions on the Bethe lattice**
ALBAYRAK E.
Physica B: Condensed Matter, cilt.594, 2020 (SCI İndekslerine Giren Dergi)
- XIV. **Mixed Spin-1/2 and 5/2 Blume-Capel Model on the Bethe Lattice in the $\pm J$ Distribution with an Adjusting Parameter**
ALBAYRAK E., Ozcan F. S.
Journal of Superconductivity and Novel Magnetism, cilt.33, sa.7, ss.2179-2188, 2020 (SCI Expanded İndekslerine Giren Dergi)
- XV. **Antiferromagnetic Spin-3/2 Ising Model Under the Influence of Random Crystal Field**
Kaman R., Yigit A., ALBAYRAK E.
BRAZILIAN JOURNAL OF PHYSICS, cilt.50, sa.3, ss.245-253, 2020 (SCI İndekslerine Giren Dergi)
- XVI. **Triple mixed-spin Ising model**
ALBAYRAK E.
International Journal of Modern Physics B, cilt.34, sa.13, 2020 (SCI İndekslerine Giren Dergi)
- XVII. **The Ising model with nearest- and next-nearest-neighbor interactions on the Bethe lattice: The exact recursion relations**
ALBAYRAK E.
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- XVIII. **Isothermal Entropy Change for the Spin-1 Blume-Capel Model on the Bethe Lattice**
Albayrak E.

- INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2019 (SCI İndekslerine Giren Dergi)
- XIX. **The mixed spin-1/2 and spin-1 model with alternating coordination number**
ALBAYRAK E.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.33, sa.11, 2019 (SCI İndekslerine Giren Dergi)
- XX. **Phase diagrams and critical behaviours of the mixed spin-5/2 and spin-7/2 Ising system**
Karimou M., Yessoufou R. A. , Ngantso G. D. , Hontinfinde F., ALBAYRAK E.
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- XXI. **The ferri-ferro-ferrimagnetic quaternary alloy**
Albayrak E.
PHYSICA B-CONDENSED MATTER, cilt.552, ss.71-77, 2019 (SCI İndekslerine Giren Dergi)
- XXII. **The Amorphous Spin-1 Ising Model on the Bethe Lattice**
ALBAYRAK E.
ACTA PHYSICA POLONICA A, cilt.134, sa.6, ss.1176-1179, 2018 (SCI İndekslerine Giren Dergi)
- XXIII. **The Random Change of Coordination Number in the Blume-Capel Model**
ALBAYRAK E.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.31, sa.11, ss.3595-3599, 2018 (SCI İndekslerine Giren Dergi)
- XXIV. **The random distribution of the coordination numbers in the mixed spin-1/2 and spin-2 Blume-Capel model**
ALBAYRAK E.
CHINESE JOURNAL OF PHYSICS, cilt.56, sa.5, ss.2291-2296, 2018 (SCI İndekslerine Giren Dergi)
- XXV. **Phase diagrams of the random nearest-neighbor mixed spin-1/2 and spin-3/2 Blume-Capel model**
ALBAYRAK E.
MODERN PHYSICS LETTERS B, cilt.32, sa.27, 2018 (SCI İndekslerine Giren Dergi)
- XXVI. **The quaternary alloy on the Bethe lattice**
ALBAYRAK E.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.32, sa.21, 2018 (SCI İndekslerine Giren Dergi)
- XXVII. **The magnetic phase diagrams of the ternary alloy AB(p)C(1-p) on the Bethe lattice**
ALBAYRAK E.
MODERN PHYSICS LETTERS B, cilt.32, sa.16, 2018 (SCI İndekslerine Giren Dergi)
- XXVIII. **Spin-1/2 Ising model on a AFM/FM two-layer Bethe lattice in a staggered magnetic field**
KPLE J., MASSOU S., HONTINFINDE F., ALBAYRAK E.
CHINESE JOURNAL OF PHYSICS, cilt.56, sa.3, ss.1252-1261, 2018 (SCI İndekslerine Giren Dergi)
- XXIX. **The crystal-field dependency of sound attenuation in the spin-3/2 ising model**
Cengiz T., ALBAYRAK E.
CHINESE JOURNAL OF PHYSICS, cilt.56, sa.3, ss.844-852, 2018 (SCI İndekslerine Giren Dergi)
- XXX. **Random crystal field effects on the integer and half-integer mixed-spin system**
Yigit A., ALBAYRAK E.
Superlattices and Microstructures, cilt.117, ss.65-71, 2018 (SCI İndekslerine Giren Dergi)
- XXXI. **The single-ion anisotropy effects in the mixed-spin ternary-alloy**
ALBAYRAK E.
Physics Letters, Section A: General, Atomic and Solid State Physics, cilt.382, sa.13, ss.880-886, 2018 (SCI İndekslerine Giren Dergi)
- XXXII. **The spin-1 Blume-Capel model on the Bethe lattice in $\pm J$ distribution with an adjustable parameter between FM and AFM phases**
ALBAYRAK E.
Chinese Journal of Physics, cilt.56, sa.2, ss.622-629, 2018 (SCI İndekslerine Giren Dergi)
- XXXIII. **The Mixed Spin-1/2 and Spin-1 Ising-Heisenberg Model in the Mean-Field Approximation: a New Approach**
ALBAYRAK E.
CHINESE PHYSICS LETTERS, cilt.35, sa.3, 2018 (SCI İndekslerine Giren Dergi)

- XXXIV. **Random Crystal Field Effects on the Mixed-Spin 1/2 and 5/2 Blume-Capel Model**
ALBAYRAK E., KARIMOU M.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, cilt.57, sa.3, ss.715-725, 2018 (SCI İndekslerine Giren Dergi)
- XXXV. **The phase diagrams of the mixed-spin ternary-alloy consisting of half-integer spins: Standard-random approach**
ALBAYRAK E.
Physica B: Condensed Matter, cilt.531, ss.70-74, 2018 (SCI İndekslerine Giren Dergi)
- XXXVI. **The bimodal random crystal field and biquadratic exchange interaction effects for the spin-3/2 Ising model on the Bethe lattice**
KARIMOU M., ALBAYRAK E., TESSILIMY A., HONTINFINDE F., YESSOUFOU R.
CHINESE JOURNAL OF PHYSICS, cilt.55, sa.6, ss.2371-2383, 2017 (SCI İndekslerine Giren Dergi)
- XXXVII. **Anisotropic Heisenberg model for the mixed spin-2 and spin-1/2 in the Oguchi approximation on the simple cubic lattice**
ALBAYRAK E.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.486, ss.161-167, 2017 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Equal Random Crystal Field of Mixed Spin-1 and Spin-3/2 System**
Yigit A., ALBAYRAK E.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.30, sa.11, ss.3103-3108, 2017 (SCI İndekslerine Giren Dergi)
- XXXIX. **Bond Dilution Effects on Bethe Lattice the Spin-1 Blume-Capel Model**
Albayrak E.
COMMUNICATIONS IN THEORETICAL PHYSICS, cilt.68, sa.3, ss.361-365, 2017 (SCI İndekslerine Giren Dergi)
- XL. **Mixed Spin-2 and Spin-1/2 Anisotropic Heisenberg Model in the Oguchi Approximation**
ALBAYRAK E.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.30, sa.9, ss.2555-2561, 2017 (SCI İndekslerine Giren Dergi)
- XLI. **The +/- J model for the mixed-spin 1/2 and 5/2 system**
ALBAYRAK E., KARIMOU M.
CHINESE JOURNAL OF PHYSICS, cilt.55, sa.4, ss.1361-1368, 2017 (SCI İndekslerine Giren Dergi)
- XLII. **Square Ising Nanowire on the Bethe Lattice**
ALBAYRAK E.
ACTA PHYSICA POLONICA A, cilt.131, sa.6, ss.1470-1473, 2017 (SCI İndekslerine Giren Dergi)
- XLIII. **Magnetic phase diagrams of Fe-Mn-Al alloy on the Bethe lattice**
ALBAYRAK E.
CHINESE PHYSICS B, cilt.26, sa.2, 2017 (SCI İndekslerine Giren Dergi)
- XLIV. **+/- J Blume-Capel model in the cluster variation method**
ALBAYRAK E.
CHINESE JOURNAL OF PHYSICS, cilt.54, sa.6, ss.978-982, 2016 (SCI İndekslerine Giren Dergi)
- XLV. **The Random J-Model with Biquadratic Interaction**
Yigit A., ALBAYRAK E.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.29, sa.10, ss.2535-2541, 2016 (SCI İndekslerine Giren Dergi)
- XLVI. **The +/- J model for the mixed-spin 1/2 and 3/2 Blume-Capel model**
ALBAYRAK E.
PHYSICA B-CONDENSED MATTER, cilt.494, ss.91-95, 2016 (SCI İndekslerine Giren Dergi)
- XLVII. **Core-shell structured square mixed-spin 1 and 1/2 Ising nanowire on the Bethe lattice**
ALBAYRAK E.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.401, ss.532-538, 2016 (SCI İndekslerine Giren Dergi)
- XLVIII. **Core-shell structured triangular Ising nanowire on the Bethe lattice**

ALBAYRAK E.

PHYSICS LETTERS A, cilt.380, sa.3, ss.458-464, 2016 (SCI İndekslerine Giren Dergi)

XLIX. Random Blume-Emery-Griffiths model on the Bethe lattice

Albayrak E.

PHYSICA B-CONDENSED MATTER, cilt.479, ss.107-111, 2015 (SCI İndekslerine Giren Dergi)

L. The phase diagrams of the +/- K model on the Bethe lattice

Albayrak E.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.386, ss.20-24, 2015 (SCI İndekslerine Giren Dergi)

LI. The Effects of the Random Transverse Crystal Field on the Spin-1 Model

Albayrak E.

ACTA PHYSICA POLONICA A, cilt.127, sa.3, ss.818-822, 2015 (SCI İndekslerine Giren Dergi)

LII. +/- J model on the Bethe lattice with crystal field interaction

Albayrak E.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.355, ss.18-21, 2014 (SCI İndekslerine Giren Dergi)

LIII. Phase diagrams of the spin-3/2 random transverse crystal field model

Albayrak E.

PHYSICA SCRIPTA, cilt.89, sa.1, 2014 (SCI İndekslerine Giren Dergi)

LIV. Phase diagrams of spin-3/2 Ising model in the presence of random crystal field within the effective field theory based on two approximations

Yigit A., ALBAYRAK E.

CHINESE PHYSICS B, cilt.22, sa.10, 2013 (SCI İndekslerine Giren Dergi)

LV. Mixed spin-1/2 and spin-3/2 Ising model with random crystal field distribution

Yigit A., ALBAYRAK E.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.392, sa.19, ss.4216-4221, 2013 (SCI İndekslerine Giren Dergi)

LVI. Spin-1 Blume-Capel model with longitudinal random crystal and transverse magnetic fields: A mean-field approach

Albayrak E.

CHINESE PHYSICS B, cilt.22, sa.7, 2013 (SCI İndekslerine Giren Dergi)

LVII. THE QUANTUM REFRIGERATOR IN A TWO-QUBIT XXZ HEISENBERG MODEL

Albayrak E.

INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.27, sa.13, 2013 (SCI İndekslerine Giren Dergi)

LVIII. The mixed spin-1/2 and spin-1 Blume-Capel model with random crystal field on the Bethe lattice: Two approaches

Albayrak E.

SOLID STATE COMMUNICATIONS, cilt.159, ss.76-78, 2013 (SCI İndekslerine Giren Dergi)

LIX. THE ENTANGLED QUANTUM HEAT ENGINE IN THE VARIOUS HEISENBERG MODELS FOR A TWO-QUBIT SYSTEM

Albayrak E.

INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, cilt.11, sa.2, 2013 (SCI İndekslerine Giren Dergi)

LX. Bimodal random crystal field distribution effects on the ferrimagnetic mixed spin-1/2 and spin-3/2 Blume-Capel model

Yigit A., ALBAYRAK E.

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.329, ss.125-128, 2013 (SCI İndekslerine Giren Dergi)

LXI. Spin-1 Blume-Capel model with random crystal field effects

Albayrak E.

PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.392, sa.4, ss.552-557, 2013 (SCI İndekslerine Giren Dergi)

LXII. Phase diagrams of the spin-2 Ising model in the presence of a quenched diluted crystal field distribution

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- CHINESE PHYSICS B, cilt.21, sa.11, 2012 (SCI İndekslerine Giren Dergi)
- LXIII. **Trilayer Bethe lattices in the form of spin-(1/2,3/2,1/2)**
ALBAYRAK E., Ak F.
PHYSICA B-CONDENSED MATTER, cilt.407, sa.13, ss.2642-2649, 2012 (SCI İndekslerine Giren Dergi)
- LXIV. **The crystal field effects on sound attenuation for a spin-1 Ising model on the Bethe lattice**
Cengiz T., ALBAYRAK E.
JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, 2012 (SCI İndekslerine Giren Dergi)
- LXV. **The mixed-spins 1/2 and 3/2 Blume-Capel model with a random crystal field**
Albayrak E.
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- LXVI. **The Bethe lattice treatment of sound attenuation for a spin-3/2 Ising model**
Cengiz T., ALBAYRAK E.
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- LXVII. **The mixed-spin ternary-alloy consisting of half-integer spins**
Albayrak E.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.324, sa.10, ss.1809-1813, 2012 (SCI İndekslerine Giren Dergi)
- LXVIII. **THE COUPLED SPIN-1 BLUME-CAPEL SUBLATTICES WITH DIFFERENT BILINEAR INTERACTIONS**
ALBAYRAK E., Erdinc A.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.26, sa.8, 2012 (SCI İndekslerine Giren Dergi)
- LXIX. **THE SPIN-1 BLUME-CAPEL MODEL WITH ALTERNATINGLY CHANGING BILINEAR EXCHANGE INTERACTIONS BETWEEN SUBLATTICES**
Albayrak E.
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- LXX. **Critical properties of mixed spin-1 and spin-5/2 with equal and unequal crystal fields**
Yigit A., ALBAYRAK E.
CHINESE PHYSICS B, cilt.21, sa.2, 2012 (SCI İndekslerine Giren Dergi)
- LXXI. **The mixed-spin ferro-ferrimagnetic ternary alloy**
Albayrak E.
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, cilt.248, sa.12, ss.2945-2949, 2011 (SCI İndekslerine Giren Dergi)
- LXXII. **Random crystal field effects for spin-3/2 Blume-Capel model**
Albayrak E.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.323, sa.22, ss.2846-2850, 2011 (SCI İndekslerine Giren Dergi)
- LXXIII. **Dynamic phase transitions in the kinetic spin-1 Blume-Capel model on the Bethe lattice**
Deviren S. A. , ALBAYRAK E.
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.390, sa.20, ss.3283-3289, 2011 (SCI İndekslerine Giren Dergi)
- LXXIV. **The spin-1 Blume-Capel model with random crystal field on the Bethe lattice**
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- LXXV. **The Sound Attenuation for the Spin-1 Ising Model on the Bethe Lattice**
ALBAYRAK E., Cengiz T.
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- LXXVI. **The mixed-spin ternary-alloy in the form of AB(p)C(1-p) on the Bethe lattice**
Albayrak E.
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- LXXVII. **Thermal entanglement in the XYZ model for a two-qutrit system**
Albayrak E.
OPTICS COMMUNICATIONS, cilt.284, sa.6, ss.1631-1636, 2011 (SCI İndekslerine Giren Dergi)
- LXXVIII. **Thermal Entanglement in a Two-Qutrit Spin-1 Anisotropic Heisenberg Model**
Albayrak E.
CHINESE PHYSICS LETTERS, cilt.28, sa.2, 2011 (SCI İndekslerine Giren Dergi)
- LXXIX. **The spin-(1,1/2,1) sandwiched trilayer Bethe lattices**
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PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.389, sa.24, ss.5677-5688, 2010 (SCI İndekslerine Giren Dergi)
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