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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 1995 - 2000

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 1993 - 1995

Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1989 - 1993

Dissertations

Postgraduate, Baryon Özelliklerinin Relativistik ve Bağımsız Kuark Modeli Çerçevesinde İncelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2020

Doctorate, Bağımsız kuark modelinde nezon bozunumları, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2000

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Fizik Bölümü, 2012 - Continues

Advising Theses

ÇİFTCİ H., TIX (X= Br, I, N, Sb, Se) bileşiklerinin yapısal, elastik, elektronik, termodinamik ve optik özelliklerinin ab mitro yöntemle incelenmesi, Postgraduate, N.KAHVECİ(Student), 2011

ÇİFTCİ H., Special type second degree of differential equation polynomial solutions, Postgraduate, E.DOĞU(Student), 2011

ÇİFTCİ H., Special type second degree of differential equation polynomial solutions, Postgraduate, E.Doğu(Student), 2011

ÇİFTCİ H., The investigation the structural, elastic, electronic, thermodynamic and optic properties of TIX (X= Br, I, N, Sb, Se) compounds by ab mitro method, Postgraduate, N.Kahveci(Student), 2011

ÇİFTCİ H., Kuantum mekaniğinde cebirsel yöntemler, Postgraduate, S.AYDIN(Student), 2009

ÇİFTCİ H., ALGEBRAIC METHODS IN QUANTUM MECHANICS, Postgraduate, S.AYDIN(Student), 2009

ÇİFTCİ H., Asimptotik iterasyon metodu ile pertürbasyon hesaplamaları, Postgraduate, Z.BUHUR(Student), 2008

ÇİFTÇİ H., SOLUTION TO SCHRÖDINGER EQUATION FOR PARTICULAR POTENTIAL CLASS BY THE ASYMPTOTIC ITERATION METHOD, Postgraduate, H.USLU(Student), 2008

ÇİFTÇİ H., PERTURBATION CALCULATIONS BY THE ASYMPTOTIC ITERATION METHOD, Postgraduate, Z.BUHUR(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A new family of two-variable polynomials based on hermite polynomials**
Erkus-Duman E., ÇİFTÇİ H.
MATHEMATICA SLOVACA, vol.72, no.4, pp.885-898, 2022 (SCI-Expanded)
- II. **The confined random walks in two-dimensional bounded domain**
Ciftci H., ÇAKMAK M.
EPL, vol.87, no.6, 2009 (SCI-Expanded)
- III. **Anharmonic oscillator energies by the asymptotic iteration method**
Ciftci H.
MODERN PHYSICS LETTERS A, vol.23, no.4, pp.261-267, 2008 (SCI-Expanded)
- IV. **Study of a bounded oscillator problem in one dimension**
Ciftci H., Ateser E.
PHYSICA SCRIPTA, vol.76, no.5, pp.517-520, 2007 (SCI-Expanded)
- V. **Solutions for certain classes of the Riccati differential equation**
Saad N., Hall R. L., Ciftci H.
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, vol.40, no.35, pp.10903-10914, 2007 (SCI-Expanded)
- VI. **A study of the Schrodinger equation with the linear potential by the asymptotic iteration method in 3D**
Ateser E., Ciftci H., Ugurlu M.
CHINESE JOURNAL OF PHYSICS, vol.45, no.3, pp.346-351, 2007 (SCI-Expanded)
- VII. **Exact analytical solutions to the Kratzer potential by the asymptotic iteration method**
Bayrak O., Boztosun I., Ciftci H.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.107, no.3, pp.540-544, 2007 (SCI-Expanded)
- VIII. **Alternative perturbation expansions for partially solvable quantum-mechanical models**
Fernandez F. M., Ciftci H.
PHYSICS LETTERS A, vol.359, no.4, pp.272-274, 2006 (SCI-Expanded)
- IX. **Criterion for polynomial solutions to a class of linear differential equations of second order**
Saad N., Hall R. L., Ciftci H.
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, vol.39, no.43, pp.13445-13454, 2006 (SCI-Expanded)
- X. **Sextic anharmonic oscillators and orthogonal polynomials**
Saad N., Hall R. L., Ciftci H.
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, vol.39, no.26, pp.8477-8486, 2006 (SCI-Expanded)
- XI. **Study of a class of non-polynomial oscillator potentials**
Saad N., Hall R., Ciftci H.
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, vol.39, no.24, pp.7745-7756, 2006 (SCI-Expanded)
- XII. **Iterative solutions to the Dirac equation**
Ciftci H., Hall R., Saad N.
PHYSICAL REVIEW A, vol.72, no.2, 2005 (SCI-Expanded)
- XIII. **Perturbation theory in a framework of iteration methods**
Ciftci H., Hall R., Saad N.
PHYSICS LETTERS A, vol.340, pp.388-396, 2005 (SCI-Expanded)
- XIV. **Construction of exact solutions to eigenvalue problems by the asymptotic iteration method**
Ciftci H., Hall R., Saad N.

- JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, vol.38, no.5, pp.1147-1155, 2005 (SCI-Expanded)
- XV. **Asymptotic iteration method for eigenvalue problems**
Ciftci H., Hall R., Saad N.
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, vol.36, no.47, pp.11807-11816, 2003 (SCI-Expanded)
- XVI. **Coulomb plus power-law potentials in quantum mechanics**
Ciftci H., Hall R., Katatbeh Q.
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, vol.36, no.25, pp.7001-7007, 2003 (SCI-Expanded)
- XVII. **The power law and the logarithmic potentials**
Ciftci H., Ateser E., Koru H.
JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, vol.36, no.13, pp.3821-3828, 2003 (SCI-Expanded)
- XVIII. **New hadrons formed by the fourth SM family and iso-singlet quarks**
Ciftci H., Sultansoy S.
MODERN PHYSICS LETTERS A, vol.18, no.12, pp.859-865, 2003 (SCI-Expanded)
- XIX. **Radiative decay of light and heavy mesons in an independent quark model**
Ciftci H., Koru H.
MODERN PHYSICS LETTERS A, vol.16, no.27, pp.1785-1794, 2001 (SCI-Expanded)
- XX. **Meson decay in an independent quark model**
Ciftci H., Koru H.
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS, vol.9, no.5, pp.407-415, 2000 (SCI-Expanded)
- XXI. **Large-N expansion approach to a relativistic potential model of quarkonia**
Akçay H., Ciftci H.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, vol.22, no.4, pp.455-460, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Fibonacci and Lucas Differential Equations**
Erkuş-Duman E., Çiftci H.
Application and applied mathematics, vol.13, no.2, pp.756-763, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **TORSIONAL ANALYSIS OF BIPYRIMIDINE MOLECULES**
ÇİFTÇİ H., BAHAT M., ÖZBAY A.
INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGIES, 7 - 09 August 2017
- II. **Simple analytical formula for schrodinger equation with linear potential in 3D**
Uğurlu M., Ateser E., ÇİFTÇİ H.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.707

Supported Projects

ÇİFTÇİ H., Project Supported by Higher Education Institutions, Kuarkonium İçin Uygun Bir Potansiyelin Belirlenmesi ve Parçacık Fiziğine Uygulanması, 2008 - 2010

ÇİFTÇİ H., Project Supported by Higher Education Institutions, Schrödinger Denkleminin Bazı Potansiyel Sınıfları İçin Asimptotik İterasyon Metodu ile Çözümü, 2007 - 2010

Metrics

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