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Education Information

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

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

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

Dissertations

Post Graduate, 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

ÇİFTÇİ H., TIX (X= Br, I, N, Sb, Se) bileşiklerinin yapısal, elastik, elektronik, termodinamik ve optik özelliklerinin ab initio yöntemle incelenmesi, Post Graduate, N.KAHVECİ(Student), 2011

ÇİFTÇİ H., Special type second degree of differential equation polynomial solutions, Post Graduate, E.DOĞU(Student), 2011

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

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

ÇİFTÇİ H., Kuantum mekaniğinde cebirsel yöntemler, Post Graduate, S.AYDIN(Student), 2009

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

ÇİFTÇİ H., Asimptotik iterasyon metodu ile pertürbasyon hesaplamaları, Post Graduate, Z.BUHUR(Student), 2008

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

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

ARTICLES PUBLISHED IN JOURNALS THAT ENTERED SCI, SSCI AND AHCI INDEXES

- I. **The confined random walks in two-dimensional bounded domain**
Ciftci H., ÇAKMAK M.
EPL, vol.87, no.6, 2009 (Journal Indexed in SCI)
- II. **Anharmonic oscillator energies by the asymptotic iteration method**
Ciftci H.
MODERN PHYSICS LETTERS A, vol.23, no.4, pp.261-267, 2008 (Journal Indexed in SCI)
- III. **Study of a bounded oscillator problem in one dimension**
Ciftci H., Ateser E.
PHYSICA SCRIPTA, vol.76, no.5, pp.517-520, 2007 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **Iterative solutions to the Dirac equation**
Ciftci H., Hall R., Saad N.
PHYSICAL REVIEW A, vol.72, no.2, 2005 (Journal Indexed in SCI)
- XII. **Perturbation theory in a framework of iteration methods**
Ciftci H., Hall R., Saad N.
PHYSICS LETTERS A, vol.340, pp.388-396, 2005 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)

XVI. **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 (Journal Indexed in SCI)

XVII. **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 (Journal Indexed in SCI)

XVIII. **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 (Journal Indexed in SCI)

XIX. **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 (Journal Indexed in SCI)

XX. **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 (Journal Indexed in SCI)

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 (Journal Indexed in 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

Citations

Total Citations (WOS):1156

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