Prof. ADNAN TEĞMEN

Personal Information

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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 1992 - 1998
Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 1989 - 1992
Undergraduate, Ankara University, Fen Fakültesi, Fizik Bölümü, Turkey 1985 - 1989

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2011 - Continues
Associate Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2008 - 2011
Assistant Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2005 - 2008
Lecturer, Ankara University, Fen Fakültesi, Fizik Bölümü, 1998 - 2005
Research Assistant, Ankara University, Fen Fakültesi, Fizik Bölümü, 1989 - 1998

Academic and Administrative Experience

Ankara University, 2012 - 2015

Courses

ÖZEL GÖRELİLİK TEORİSİ, Undergraduate, 2016 - 2017, 2015 - 2016
KUANTUM MEKANİĞİ I, Postgraduate, 2016 - 2017, 2015 - 2016
UZMANLIK ALAN DERSİ, Doctorate, 2016 - 2017, 2015 - 2016
KUANTUM MEKANİĞİ II, Postgraduate, 2015 - 2016
FİZİKTE MATEMATİKSEL YAPILAR, Undergraduate, 2015 - 2016
Mekanik I, Undergraduate, 2013 - 2014, 2009 - 2010
Fizikte diferensiyel geometrik ve topolojik yöntemler, Postgraduate, 2012 - 2013
Teorik Mekanik , Undergraduate, 2012 - 2013, 2008 - 2009
Fizik I, Undergraduate, 2012 - 2013, 2011 - 2012
Fizik II, Undergraduate, 2011 - 2012
Mekanik II, Undergraduate, 2009 - 2010
Klasik Mekanik I, Postgraduate, 2009 - 2010, 2008 - 2009
Klasik Mekanik II, Postgraduate, 2008 - 2009

Advising Theses

TEĞMEN A., Developing a wide spectrum fiber laser oscillator cavity, Postgraduate, A.MURAT(Student), 2020

TEĞMEN A., Lense - thırrıng etkisi, Postgraduate, A.ERSOY(Student), 2013

TEĞMEN A., Moyal formalizminde kanonoid dönüşümler, Doctorate, M.ALİ(Student), 2013

TEĞMEN A., Klasik mekanikte bazı terslenebilir dönüşümler, Postgraduate, E.GÜRKANLI(Student), 2011

TEĞMEN A., Kuantum kanonik dönüşümler, Postgraduate, Ş.ERAZ(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Semileptonic Bc decays to P-wave charmonia in the light-cone QCDSR**
AKAN T., Cincioglu E., ÖZPİNECİ A., TEĞMEN A.
Nuclear Physics A, vol.1034, 2023 (SCI-Expanded)

II. **Albedo and constant source problems for extremely anisotropic scattering**
Kocmen M. A., TEĞMEN A., Tureci D., Gulecyuz M. Ç., Tureci R. G.
KERNTECHNIK, vol.78, no.3, pp.245-249, 2013 (SCI-Expanded)

III. **Solving the constant source problem for the quadratic anisotropic scattering kernel using the modified FN method**
Türeci D., Türeci R., TEĞMEN A., GÜLEÇYÜZ M. Ç.
Kerntechnik, vol.77, no.1, pp.60-63, 2012 (SCI-Expanded)

IV. **Solving the constant source problem for the quadratic anisotropic scattering kernel using the modified F-N method**
Tuereci D., Tuereci R. G., TEĞMEN A., Guelecyuez M. C.
KERNTECHNIK, vol.77, no.1, pp.60-63, 2012 (SCI-Expanded)

V. **CANONICAL TRANSFORMATIONS IN THREE-DIMENSIONAL PHASE-SPACE**
Dereli T., TEĞMEN A., Hakioglu T.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.24, no.25-26, pp.4769-4788, 2009 (SCI-Expanded)

VI. **QUANTUM CANONICAL TRANSFORMATIONS IN WEYL-WIGNER-GROENEWOLD-MOYAL FORMALISM**
Dereli T., Hakioglu T., TEĞMEN A.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.24, no.24, pp.4573-4587, 2009 (SCI-Expanded)

VII. **Two-particle Wigner functions in a one-dimensional Calogero-Sutherland potential**
TEĞMEN A., Altanhan T., KANDEMİR B. S.
EUROPEAN PHYSICAL JOURNAL D, vol.41, no.2, pp.397-402, 2007 (SCI-Expanded)

VIII. **h-independent universality of the quantum and classical canonical transformations**
Hakioglu T., TEĞMEN A., Demircioglu B.
PHYSICS LETTERS A, vol.360, no.4-5, pp.501-506, 2007 (SCI-Expanded)

IX. **Integral-free Wigner functions**
TEĞMEN A.
NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL PHYSICS RELATIVITY ASTRONOMY AND MATHEMATICAL PHYSICS AND METHODS, vol.121, no.9, pp.937-942, 2006 (SCI-Expanded)

X. **Nambu brackets with constraint functionals**
TEĞMEN A.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.21, no.3, pp.575-588, 2006 (SCI-Expanded)

XI. **Momentum map and action-angle variables for Nambu dynamics**
TEĞMEN A.
CZECHOSLOVAK JOURNAL OF PHYSICS, vol.54, no.7, pp.749-757, 2004 (SCI-Expanded)

XII. **Superintegrable systems, multi-Hamiltonian structures and Nambu mechanics in an arbitrary dimension**
TEĞMEN A., Vercin A.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.19, no.3, pp.393-409, 2004 (SCI-Expanded)

XIII. **Intertwined isospectral potentials in an arbitrary dimension**
KURU Ş., TEĞMEN A., Vercin A.
JOURNAL OF MATHEMATICAL PHYSICS, vol.42, no.8, pp.3344-3360, 2001 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Quantum canonical transformations in star-product formalism**
Dereli T., Hakioglu T., TEĞMEN A.
6th International Symposium on Quantum Theory and Symmetries (QTS), Kentucky, United States Of America, 20 -
25 July 2009, vol.462

Metrics

Publication: 14
Citation (WoS): 108
Citation (Scopus): 99
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