

# Prof. İpek KANAT ÖZTÜRK

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-2770-2020

Yoksis Researcher ID: 56342

## Education Information

Doctorate, İstanbul University, Institute of Graduate Studies In Sciences, Nükleer, Turkey 1996 - 2003

Postgraduate, İstanbul University, Institute of Graduate Studies In Sciences, Nükleer, Turkey 1993 - 1996

Undergraduate, İstanbul University, Faculty Of Science, Fizik, Turkey 1988 - 1993

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Manganez I ve Skandiyum I Elementlerinin İnce Yapı ve Aşırı İnce Yapılarının İncelenmesi, İstanbul University, Institute of Graduate Studies In Sciences, Nükleer, 2003

Postgraduate, Hızlı Nötronların Yumuşak Dokudaki Enerji Dağılımının Saptanması, İstanbul University, Institute of Graduate Studies In Sciences, Nükleer, 1996

## Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Natural Sciences

## Academic Titles / Tasks

Professor, İstanbul University, Faculty of Science, Department of Physics, 2019 - Continues

Associate Professor, İstanbul University, Faculty of Science, Department of Physics, 2013 - 2019

Assistant Professor, İstanbul University, Faculty of Science, Department of Physics, 2003 - 2013

Research Assistant, İstanbul University, Faculty of Science, Department of Physics, 1996 - 2003

## Academic and Administrative Experience

Enstitü Yönetim Kurulu Üyesi, Istanbul University, Institute of Graduate Studies In Sciences, 2018 - Continues  
Fakülte Yönetim Kurulu Üyesi, Istanbul University, Faculty Of Science, 2015 - 2018  
İstanbul Üniversitesi, Faculty of Science, Fizik, 2008 - 2011

## Courses

Modern Fizik, Undergraduate, 2023 - 2024  
Titreşimler ve Akışkanlar Mekaniği, Undergraduate, 2021 - 2022  
Atom ve Molekül Fiziği Laboratuvarı, Undergraduate, 2019 - 2020  
Cultural History of Physics, Undergraduate, 2020 - 2021  
Atom Fiziğinde Hesaplama Yöntemleri I, Postgraduate, 2020 - 2021  
Atomlarda İzotop Kayması, Postgraduate, 2018 - 2019, 2017 - 2018  
Atom ve Molekül Fiziği Laboratuvarı, Undergraduate, 2017 - 2018  
Termodinamik ve İstatistiksel Fizik Laboratuvarı, Undergraduate, 2018 - 2019  
Fizik IV (Astronomi-Örgün), Undergraduate, 2014 - 2015  
Fizik II, Undergraduate, 2012 - 2013, 2010 - 2011  
Bilgisayar II, Undergraduate, 2012 - 2013  
Bilgisayar I, Associate Degree, 2012 - 2013, 2011 - 2012, 2010 - 2011  
İleri Fizik Uygulamaları , Undergraduate, 2010 - 2011, 2009 - 2010  
Fizik I, Associate Degree, 2010 - 2011  
Öğretmenlik Uygulaması, Undergraduate, 2010 - 2011, 2009 - 2010

## Advising Theses

KANAT ÖZTÜRK İ., "Skandiyumun Görünür Dalgaboyu Bölgesindeki Fourier Transform Spekturumunun Analizi",  
Doctorate, T.Yusuf(Student), Continues  
Kanat Öztürk İ., Atomik Vanadyumun Aşırı İnce Yapısının ve Yeni Enerji Seviyelerinin Laser Spektroskopik Olarak  
İncelenmesi, Postgraduate, H.Erdoğan(Student), 2022  
Kanat Öztürk İ., "Tulyum Elementinin Görünür Bölgedeki Spektral Çizgilerinin Sınıflandırılması ve Aşırı İnce Yapısının  
İncelenmesi, Doctorate, Ş.Şeninak(Student), 2020  
KANAT ÖZTÜRK İ., Tulyum Elementinin 3500cm<sup>-1</sup>-10000cm<sup>-1</sup> Aralığındaki Spektral Çizgilerin Sınıflandırılması ve Aşırı  
İnce Yapılarının İncelenmesi, Postgraduate, S.Sert(Student), 2019  
KANAT ÖZTÜRK İ., Classification of Spectral Lines of the Holmium in Between 700-850 nm and Hyperfine Structure  
Investigation, Postgraduate, S.Ashiba(Student), 2018  
KANAT ÖZTÜRK İ., Nötral Niyobyum Atomunun Çift ve Tek Konfigürasyonlarının İnce Yapısının Hesaplanması,  
Postgraduate, T.Yusuf(Student), 2014

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, March, 2021  
Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, January, 2021  
Associate Professor Exam, Associate Professor Exam, Istanbul University, December, 2020  
Associate Professor Exam, Associate Professor Exam, Istanbul University, August, 2020  
Doctorate, Doctorate, İstanbul Üniversitesi, July, 2020  
Associate Professor Exam, Associate Professor Exam, Istanbul University, March, 2020  
Associate Professor Exam, Associate Professor Exam, Istanbul University, March, 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Line identification of atomic and ionic spectra of Holmium in the near infrared spectral range from 700 nm to 1750 nm**  
Zengin M., Kın Barka S., Kanat Öztürk İ., Klincare I., Kröger S., Başar G.  
SPECTROCHIMICA ACTA - PART B: ATOMIC SPECTROSCOPY, vol.217, pp.1-17, 2024 (SCI-Expanded)
- II. **Hyperfine Structure Investigation of Singly Ionized Thulium in Fourier-transform Spectra**  
Kebapcı T. Y., Parlatan Ş., Sert S., Kanat Öztürk İ., Başar G., Şahin T., Bilir S., Ferber R., Tamanis M., Kröger S.  
ASTROPHYSICAL JOURNAL, vol.970, pp.1-12, 2024 (SCI-Expanded)
- III. **New even parity fine structure energy levels of atomic vanadium**  
Başar G., Erdoğan H., Bingöl D., Kanat Öztürk İ., Güzelçimen F., Kröger S., Windholz L., Pickering J., Başar G.  
SPECTROCHIMICA ACTA - PART B: ATOMIC SPECTROSCOPY, vol.207, pp.1-8, 2023 (SCI-Expanded)
- IV. **Experimental investigation of the hyperfine structure of Tm I with Fourier transform spectroscopy, part A: In the visible wavelength range (400-700 nm)**  
Parlatan Ş., Öztürk İ., BAŞAR G., Başar G., Ferber R., Kröger S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.287, 2022 (SCI-Expanded)
- V. **Experimental investigation of the hyperfine structure of Tm I with Fourier transform spectroscopy part b: In the NIR wavelength range from 700 nm to 2250 nm**  
Kebapcı T. Y., Sert S., Parlatan Ş., Öztürk İ., BAŞAR G., Başar G., Tamanis M., Kröger S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.287, 2022 (SCI-Expanded)
- VI. **New energy levels of atomic lanthanum with small total angular momentum quantum number discovered by laser spectroscopic methods in the near IR**  
Ozturk İ., Başar G., BAŞAR G., Ozdalgi B., Bingol D., GÜZELÇİMEN F., Windholz L., Kroger S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.253, 2020 (SCI-Expanded)
- VII. **Laser spectroscopic investigation of atomic holmium in the wavelength range from 780 nm to 830 nm: Hyperfine structure measurements and a new energy level**  
Başar G., Başar G., Özdalgıç B., Kanat Öztürk İ., Güzelçimen F., Bingöl D., Kröger S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.243, 2020 (SCI-Expanded)
- VIII. **Line Identification of Atomic and Ionic Spectra of Holmium in the Visible Spectral Range. II. Spectrum of Ho II and Ho III**  
Ozdalgic B., Başar G., Güzelçimen F., Ozturk İ., Ak T., Bilir S., Tamanis M., Ferber R., Kroeger S.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.240, 2019 (SCI-Expanded)
- IX. **Line Identification of Atomic and Ionic Spectra of Holmium in the Visible Spectral Range. I. Spectrum of Ho I**  
Ozdalgic B., Guzelcimen F., Ozturk I. K., Kroeger S., Kruzins A., Tamanis M., Ferber R., Basar G.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.240, no.2, 2019 (SCI-Expanded)
- X. **Hyperfine structure measurements of neutral vanadium by inter-modulated laser-induced fluorescence spectroscopy in the wavelength range from 800 nm to 830 nm**  
Basar G., Guzelcimen F., Ozturk İ., Bingol D., Kroger S., Basar G.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.219, pp.1-6, 2018 (SCI-Expanded)
- XI. **Hyperfine structure measurements of neutral vanadium by laser-induced fluorescence spectroscopy in the wavelength range from 750 nm to 860 nm**  
Basar G., Guzelcimen F., Ozturk I. K., Er A., Bingol D., Kroeger S., Basar G.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.202, pp.193-199, 2017 (SCI-Expanded)
- XII. **Line Identification of Atomic and Ionic Spectra of Holmium in the Near-UV. II. Spectra of HoII and HoIII**  
Başar G., Al-Labady N., Ozdalgiç B., Güzelçimen F., Er A., Ozturk İ., Ak T., Bilir S., Tamanis M., Ferber R., et al.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.228, 2017 (SCI-Expanded)
- XIII. **Line Identification of Atomic and Ionic Spectra of Holmium in the Near-UV. Part I. Spectrum of Ho I**  
Al-Labady N., Ozdalgiç B., Er A., Guzelcimen F., Ozturk I. K., Kroeger S., Kruzins A., Tamanis M., Ferber R., Basar G.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.228, no.2, 2017 (SCI-Expanded)

- XIV. **New even and odd parity fine structure levels of La I discovered by means of laser-induced fluorescence spectroscopy**  
Basar G., Gamper B., Guzelcimen F., Ozturk I. K., Binder T., Basar G., Kroger S., Windholz L.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.187, pp.505-510, 2017 (SCI-Expanded)
- XV. **HIGH-RESOLUTION FOURIER TRANSFORM SPECTROSCOPY OF Nb I IN THE NEAR-INFRARED**  
Er A., Guzelcimen F., Basar G., Ozturk İ., Tamanis M., Ferber R., Kroeger S.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.221, no.1, 2015 (SCI-Expanded)
- XVI. **Investigation of the hyperfine structure of weak atomic Vanadium lines by means of Fourier transform spectroscopy**  
Guzelcimen F., Er A., Öztürk İ., Başar G., KROEGER S., TAMANIS M., FERBER R.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.48, no.11, 2015 (SCI-Expanded)
- XVII. **Parametric study of the fine and hyperfine structure for the even parity configurations of atomic niobium**  
Dembczynski J., Elantkowska M., Ruczkowski J., Öztürk İ., Er A., Güzelçimen F., Başar G., Kroger S.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.48, 2015 (SCI-Expanded)
- XVIII. **New energy levels of atomic niobium by laser induced fluorescence spectroscopy in the near infrared**  
Ozturk İ., Basar G., Er A., Guzelcimen F., Basar G., Kroger S.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.48, no.1, 2015 (SCI-Expanded)
- XIX. **Transition probabilities of neutral scandium**  
Öztürk İ., Celik G., Gokce Y., ATALAY B., Guzelcimen F., Er A., Başar G., Kröger S.  
CANADIAN JOURNAL OF PHYSICS, vol.92, no.11, pp.1425-1429, 2014 (SCI-Expanded)
- XX. **HYPERFINE STRUCTURE CONSTANTS OF ENERGETICALLY HIGH-LYING LEVELS OF ODD PARITY OF ATOMIC VANADIUM**  
Güzelçimen F., Yapici B., Demir G., Er A., Ozturk İ., Başar G., Kroeger S., Tamanis M., Ferber R., Docenko D., et al.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.214, 2014 (SCI-Expanded)
- XXI. **Hyperfine structure investigations of atomic niobium with optogalvanic and laser-induced fluorescence spectroscopy in the near-infrared wavelength range**  
Başar G., Başar G., Ozturk İ., Er A., Güzelçimen F., Kroeger S.  
ASTRONOMY & ASTROPHYSICS, 2013 (SCI-Expanded)
- XXII. **Hyperfine structure of the 3d(3)4s4p (6)G multiplet of atomic vanadium**  
Güzelçimen F., Başar G., Ozturk İ., Kroeger S., Ferber R., Jarmola A., Tamanis M., Başar G.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.44, 2011 (SCI-Expanded)
- XXIII. **Hyperfine structure study of atomic niobium with enhanced sensitivity of Fourier transform spectroscopy**  
Er A., Öztürk İ., Başar G., Kroeger S., Jarmola A., Ferber R., Tamanis M.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.44, 2011 (SCI-Expanded)
- XXIV. **Hyperfine structure measurements of neutral niobium with Fourier transform spectroscopy**  
Kroeger S., ER A., Ozturk İ., BAŞAR G., Jarmola A., Ferber R., Tamanis M., Zacs L.  
ASTRONOMY & ASTROPHYSICS, vol.516, 2010 (SCI-Expanded)
- XXV. **Hyperfine structure investigation of ScI, part II: theoretical studies of the odd configurations**  
Oeztuerk İ., Acar F. G., Basar G., Basar G., Kroeger S.  
PHYSICA SCRIPTA, vol.75, no.5, pp.624-629, 2007 (SCI-Expanded)
- XXVI. **Fine and hyperfine structure in the atomic spectrum of niobium**  
Kroeger S., Ozturk İ., Acar F. G., Basar G., Basar G., Wyart J. -.  
EUROPEAN PHYSICAL JOURNAL D, vol.41, no.1, pp.61-70, 2007 (SCI-Expanded)
- XXVII. **Hyperfine structure investigation of Mn I - Part II: Theoretical studies of the odd configurations**  
Acar F., Basar G., Basar G., Ozturk I., Kroger S.  
PHYSICA SCRIPTA, vol.71, no.3, pp.245-250, 2005 (SCI-Expanded)
- XXVIII. **Hyperfine structure of high lying levels of TmI**  
Basar G., Basar G., Ozturk I., Acar F., Kroger S.

- PHYSICA SCRIPTA, vol.71, no.2, pp.159-162, 2005 (SCI-Expanded)
- XXIX. **Experimental investigation of the hyperfine structure and theoretical studies of the even configurations of Sc I**  
Basar G., Basar G., Acar F., Ozturk I., Kroger S.  
PHYSICA SCRIPTA, vol.69, no.3, pp.189-195, 2004 (SCI-Expanded)
- XXX. **Hyperfine structure investigations of MnI - Part I: Experimental and theoretical studies of the hyperfine structure in the even configurations**  
Basar G., Basar G., ACAR G., Ozturk I., KROGER S.  
PHYSICA SCRIPTA, vol.67, no.6, pp.476-484, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Fine Structure of the Configurations 3d3, 3d4s5s, 3d5s2, 3d4s4d and 3d25s of Neutral Scandium Atom”**  
ÖZTÜRK İ.  
Journal of İstanbul Kültür University, vol.2004/1, pp.19-27, 2004 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **High Pressure Infrared Spectroscopy in Biological and Biomedical Studies**  
Taymaz A., Breiki G., ÖZTÜRK İ., Karaman A., Wong P.  
in: Analytical Use of Fluorescent Probes in Oncology, Kohen, Elli; Hirschberg, Joseph G. , Editor, Springer, New York, pp.383-392, 1997

## Refereed Congress / Symposium Publications in Proceedings

- I. **Classification of New Atomic Lines of Thulium in the Visible Region using FT Spectroscopy**  
Parlatan Ş., Kanat Öztürk İ., Başar G., Başar G., Tamanis M., Ferber R., Kroger .  
17th International Young Scientist conference Developments in Optics and Communications 2021, Riga, Latvia, 15 - 16 April 2021, pp.1
- II. **Classification of Spectral Lines of the Holmium in the Near Infrared**  
KANAT ÖZTÜRK İ., Ashiba S., GÜZELÇİMEN F., Özdalğıç B., Kröger S., BAŞAR G.  
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.1
- III. **Processing Atomic and Ionic Spectra of Holmium with Classification Program**  
Özdalğıç B., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., Kröger S., Başar G.  
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.1
- IV. **Identifying and Classifying New Ionic Lines of Holmium,**  
Başar G., Özdalğıç B., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S.  
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.1
- V. **Line Identification of Atomic Holmium**  
Özdalğıç B., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S., BAŞAR G.  
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.1
- VI. **Laser Spectroscopic Measurements of Atomic Vanadium in the Red Wavelength Range**  
Başar G., BAŞAR G., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., ER A., Bingöl D., Kröger S.  
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.563
- VII. **Line Classification of Atomic Holmium by means of Fourier Transform Spectroscopy from 317 to 400 nm**  
BAŞAR G., Al-Labady N., GÜZELÇİMEN F., OZTURK I. K., ER A., Özdalğıç B., AK T., BİLİR S., Kröger S., Tamanis M., et al.

Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.565

- VIII. **Laser Spectroscopic Measurements of Atomic Vanadium in the Red Wavelength Range**  
Başar G., Başar G., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., ER A., BİNGÖL D., Kröger S.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- IX. **Fine Structure Calculations Of Even-Parity Energy Levels of Doubly Ionized Molybdenum**  
GÜZELÇİMEN F., Başar G., KANAT ÖZTÜRK İ., Al-Labady N.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- X. **Hyperfine Structure of Atomic Holmium by Fourier Transform Spectroscopy in the UV Spectral Range**  
BAŞAR G., Al-Labady N., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Özdalğıç B., Kröger S., Kruzins A., Tamanis M., Ferber R.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- XI. **Doppler-Reduced Spectroscopic Measurements of the Hyperfine Structure of Atomic Vanadium in the Wavelength Range from 760 nm to 850 nm**  
Bingöl D., Başar G., Başar G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- XII. **Investigation of Saturation Effect on the Hyperfine Structure Components Using Laser Spectroscopy**  
Başar G., KANAT ÖZTÜRK İ., Başar G., GÜZELÇİMEN F., BİNGÖL D., Kröger S.  
TFD33, İstanbul, Turkey, 6 - 10 September 2017, pp.1
- XIII. **Line Classification of Ho II and Ho III by means of Fourier Transform Spectroscopy from 317 to 400 nm**  
Başar G., Al-Labady N., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., ER A., Özdalğıç B., AK T., BİLİR S., Kröger S., Tamanis M., et al.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- XIV. **The Hyperfine Structure Investigation of V I Lines with Doppler-Reduced Laser Spectroscopic Method**  
BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Bingöl D., Kröger S., Başar G.  
Conference of the European Group on Atomic Systems (EGAS49), Durham, United Kingdom, 17 - 21 July 2017, pp.1
- XV. **Hyperfine Structure Investigation of Vanadium by Using Saturation Absorption Spectroscopy**  
BİNGÖL D., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S., BAŞAR G.  
Turkish Physical Society 32th International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, pp.276
- XVI. **Inter Modulated Laser-Induced Fluorescence Spectroscopy Measurements of Vanadium-Neon Plasma**  
BİNGÖL D., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S., BAŞAR G.  
Turkish Physical Society 32th International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, pp.277
- XVII. **Investigation of Hyperfine Structure of Atomic Holmium**  
BAŞAR G., Al-Labady N., Yapıcı B., GÜZELÇİMEN F., ER A., KANAT ÖZTÜRK İ., Kröger S., Kruzins A., Tamanis M., Ferber R.  
12th European Conference on Atoms Molecules and Photons (ECAMP12), Frankfurt, Germany, 5 - 09 September 2016, pp.59
- XVIII. **Transition Probabilities of the Neutral Niobium in the Wavelength Region from 300 to 400 nm**  
KANAT ÖZTÜRK İ., Atalay B., Kebapçı T. Y., Kröger S.  
ECAMP 12, Frankfurt, Germany, 5 - 09 September 2016, pp.1
- XIX. **Laser Induced Fluorescence Spectroscopy of Atomic Vanadium in the Wavelength Range of 760 nm to 840 nm**  
BAŞAR G., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., ER A., Kröger S.  
12th European Conference on Atoms Molecules and Photons (ECAMP12), Frankfurt, Germany, 5 - 09 September 2016, pp.321
- XX. **Experimental Hyperfine Structure Analysis of Atomic Niobium Using Laser Induced Fluorescence Spectroscopy**  
ER A., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., Siddiqui İ., Windholz L., Kröger S., BAŞAR G.  
9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.362

- XXI. **Transition Probabilities Of Neutral Antimony**  
Atalay B., Çelik G., KANAT ÖZTÜRK İ.  
International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.1
- XXII. **New Even-Parity Energy Levels of Atomic Lanthanum**  
GÜZELÇİMEN F., ER A., KANAT ÖZTÜRK İ., BAŞAR G., Kröger S., Siddiqui İ., Windholz L.  
9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.368
- XXIII. **New Energy Levels of Atomic Niobium**  
BAŞAR G., Kröger S., KANAT ÖZTÜRK İ., ER A., GÜZELÇİMEN F., Başar G.  
International Conference on Atomic and Molecular Data and Their Applications ICAMDATA, Jena, Germany, 21 - 25 September 2014, pp.1
- XXIV. **Theoretical Investigation of Fine Structure of Neutral Lanthanum**  
KANAT ÖZTÜRK İ., ER A., GÜZELÇİMEN F., BAŞAR G.  
Turkish Physical Society 31th International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.1
- XXV. **Theoretical Oscillator Strengths for Neutral Niobium**  
Atalay B., KANAT ÖZTÜRK İ., Kebapçı T. Y.  
TFD31, Muğla, Turkey, 21 - 24 July 2014, pp.1
- XXVI. **Extension Of The Data For Magnetic Dipole Hyperfine Structure Constants Of Vanadium I Levels**  
GÜZELÇİMEN F., BAŞAR G., KANAT ÖZTÜRK İ., ER A., Kröger S., Tamanis M., Ferber R.  
Turkish Physical Society 31th International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.1
- XXVII. **Determination of New Transitions of Atomic Niobium in the Near-Infrared**  
ER A., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Tamanis M., Ferber R., Kröger S.  
Turkish Physical Society 31th International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.1
- XXVIII. **Theoretical oscillator strengths for the Sc I**  
KANAT ÖZTÜRK İ., Atalay B., Çelik G., GÜZELÇİMEN F., ER A., BAŞAR G., Kröger S.  
46th Conference Of The European Group On Atomic Systems (EGAS 46), Lille, France, 1 - 04 July 2014, pp.83
- XXIX. **Confirmation of New Even-parity Energy Levels of La I by Laser-Induced Fluorescence Spectroscopy**  
BAŞAR G., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., ER A., Kröger S., Windholz L.  
46th Conference Of The European Group On Atomic Systems (EGAS 46), Lille, France, 1 - 04 July 2014, pp.74
- XXX. **Investigation of Fourier Transform Spectrum of Niobium in Argon Discharge in the near-infrared**  
ER A., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Tamanis M., Ferber R., Kröger S.  
46th Conference Of The European Group On Atomic Systems (EGAS 46), Lille, France, 1 - 04 July 2014, pp.81
- XXXI. **Investigation of the Hyperfine Structure of Atomic Vanadium for Energetically High-lying levels up to 45000 cm<sup>-1</sup>**  
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- XLI. **Hyperfine Structure Measurements of Atomic Vanadium for the High-Lying Multiplets of Odd Parity**  
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- L. **Experimental Hyperfine Structure Investigations with High Resolution Spectroscopy and Classifications of Atomic Niobium Spectral Lines**  
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- LII. **Laser Induced Fluorescence Spectroscopy of Atomic Niobium in the Wavelength Range of 560 nm to**

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Kanat Öztürk İ., Başar G., Başar G., Güzelçimen F., TUBITAK Project, Vanadyum Atomunun Laser Spektroskopik Yöntemler Kullanılarak Aşırı İnce Yapısının İncelenmesi Ve Yeni İnce Yapı Enerji Seviyelerinin Bulunması, 2021 - 2022

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## **Memberships / Tasks in Scientific Organizations**

COST Action Proposal, Member, 2018 - Continues

Türk Fizik Derneği, Member, 2012 - Continues

## **Scientific Refereeing**

Balkan Physics Letters , Other journals, April 2014

## **Metrics**

Publication: 113

Citation (WoS): 283

Citation (Scopus): 298

H-Index (WoS): 12

H-Index (Scopus): 12

## **Congress and Symposium Activities**

ECAMP 12, Attendee, Frankfurt, Germany, 2016

EGAS 46, Attendee, Lille, France, 2014

TFD-30, Attendee, İstanbul, Turkey, 2013

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44th EGAS Conference, Attendee, Göteborg, Sweden, 2012

TFD 28, Attendee, Bodrum, Muğla, Turkey, 2011

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