Res. Asst. İLKNUR BALDAN IŞIK

Personal Information

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International Researcher IDs
ORCID: 0000-0001-6624-5498
Publons / Web Of Science ResearcherID: F-5894-2018
Yoksis Researcher ID: 270725

Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2017 - Continues
Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2014 - 2017
Postgraduate, Cukurova University, Sağlık Bilimleri Enstitüsü, Temel Tıp Bilimleri, Turkey 2014 - 2017
Undergraduate Double Major, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 2011 - 2014
Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, Turkey 2010 - 2013
Undergraduate, Kütahya Dumlupinar University, Faculty Of Arts And Scıences, Turkey 2008 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Torasik Aorta Uygulanan Pulslu Manyetik Alanın Apoptotik Etkilerinin Kasılma Parametreleri Üzerinden İncelenmesi, Cukurova University, 2017
Postgraduate, Hadronik ileri kalorimetre (HF)'de kullanılan QIE10 kartlarının Pedestal, CapID, ICI testleri, Cukurova University, 2017

Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Atomic and Molecular Interactions, Basic Particles and Areas, General Theory of Particles and Fields, Natural Sciences

Academic Titles / Tasks

Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Fizik, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Single-crystal X-ray structural characterization, Hirshfeld surface analysis, electronic properties, NBO, and NLO calculations and vibrational analysis of the monomeric and dimeric forms of 5-nitro-2-oxindole**
GÜNEŞDOĞDU SAĞDINÇ S., Akcay B. K., YILDIZ S. Z., BALDAN IŞIK İ.
NEW JOURNAL OF CHEMISTRY, vol.45, pp.10070-10088, 2021 (SCI-Expanded)

II. **Pulsed magnetic field maintains vascular homeostasis against H2O2-induced oxidative stress.**
Gunay I., Baldan İ., Tokus M., Coskun C., Ocal I., Cicek F. A.
General physiology and biophysics, vol.39, pp.579-586, 2020 (SCI-Expanded)

III. **Thermal behaviors of exotic Z(c) (3900) state in tetraquark approach**
Isik I. B., Sundu H., Veliev E.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Analysis Of Coal By Laser Induced Plasma Spectroscopy Technique**
Baldan Işık İ., Işık H. H., Demir A.
Turkish Physical Society 35th International Physics Congress Bodrum/TURKEY, Muğla, Turkey, 3 - 08 September 2019, vol.35, pp.240

II. **H2O2 differently effects to the contractions of thoracic aorta in vivo magnetic field exposure**
GÜNAY İ., BALDAN İ., ÇİÇEK F., ÖCAL I., COŞKUN Ç.
30th ANNUALBIOPHYSICS CONGRESS(INTERNATIONAL), 10 - 13 October 2018

III. **Effects of Pulsed Magnetic Fields to Vascular Responses**
Çiçek F., Günay İ., Baldan Işık İ., Öcal I.
International Congress on Biological and Medical Sciences 2018, Niğde, Turkey, 31 October - 03 November 2018, pp.84

IV. **PMF Regulate Fibrocartilage Activity in Microfractures**
Çiçek H., Baldan Işık İ., Tuhanioğlu Ü., Oğur H., Günay İ., Çiçek F.
International Congress on Biological and Medical Sciences 2018,, Niğde, Turkey, 31 October - 03 November 2018, pp.105

V. **H2O2 Differently Effects to the Contractions of Thoracic Aorta İn Vivo Magnetic Field Exposure**
Günay İ., Baldan Işık İ., Çiçek F., Öcal I., Coşkun Ç.
30th Annual Biophysics Congress, Muğla, Turkey, 10 - 13 October 2018, pp.21

VI. **Thermal QCD Sum Rules For Zc (3900) Treated As a Tetraquark State**
Baldan Işık İ., Sundu Pamuk H., Veli E.
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.352

VII. **The Effects of 40 Hz Pulsed Magnetic Fields on H2O2 Induced Ca2+ Responses in the Vascular Smooth Muscle Cells**
Baldan Işık İ., Çiçek F., Günay İ., Taştekin B.
6th World Congress of Oxidative Stress , Isparta, Turkey, 24 - 27 May 2016, vol.8, no.1, pp.506

VIII. **Quantitative Analysis of Low Atomic Number Elements by Laser Induced Breakdown Spectroscopy Technique**
Demir A., Kaya E. B., Turan K., Baldan Işık İ., Işık H. H.
10th Euro-Mediterranean Symposium on Laser-Induced Breakdown Spectroscopy, Brno, Czech Republic, 8 - 13 September 2019, pp.169-170

Supported Projects

YILMAZKAYA SÜNGÜ J., BALDAN IŞIK İ., VELİ E., TÜRKAN A., ÇİFTLİ JUMASAHATOV A., SUNDU PAMUK H., Project Supported by Higher Education Institutions, TENSÖR MEZONLARIN HADRONİK PARAMETRELERİNİN TERMAL KRD

TOPLAM KURALLARI YÖNTEMİ İLE İNCELENMESİ, 2018 - 2019
Baldan Işık İ., Yılmazkaya Süngü J., Veli E., Sundu Pamuk H., Project Supported by Other Official Institutions, HAFİF DÖRT KUARKLI YAPILARIN FİZİKSEL ÖZELLİKLERİNİN İNCELENMESİ, 2018 - 2019
Çİçek F., Baldan Işik İ., Günay İ., Project Supported by Higher Education Institutions, Pulslu Manyetik Alanın Vasküler Düz Kas Dokusunda BCL-2 Ekspresyonuna Etkisinin SDS PAGE yöntemi ile İncelenmesi, 2017 - 2018
Baldan Işık İ., Günay İ., Çiçek F., Project Supported by Higher Education Institutions, Pulslu Manyetik Alanın (PMA) Apoptotik Protein Ekspresyonlarına Etkilerinin Rat Vasküler Düz Kaslarda İncelenmesi, 2017 - 2018
Baldan Işık İ., Eşkut E., Project Supported by Other Official Institutions, Hadronik Fıçı (HB) Kalorimetresi için Radyasyon Zararının (Raddam) Tespiti Çalışmaları, 2016 - 2018

Metrics

Publication: 13
Citation (WoS): 1
Citation (Scopus): 1
H-Index (WoS): 1
H-Index (Scopus): 1

Scholarships

Üstün Başarı Ödülü, Other Government Agencies, 2011 - 2013

Awards

Baldan Işık İ., Fakülte Birinciliği, Çukurova Üniversitesi, May 2013
Baldan Işık İ., Başarı ödülü, Çukurova Üniversitesi, May 2013