Lect. PhD HINCAL GÖKHAN BAKIR

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAA-3185-2021
Yoksis Researcher ID: 122755

Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2010 - 2014
Postgraduate, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2004 - 2006
Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1998 - 2003

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Çok merkezli Fe+2 iyonu içeren komplekslerde manyetik etkileşmelerin teorik incelenmesi, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2012

Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Magnetic Properties and Materials, Natural Sciences

Academic Titles / Tasks

Lecturer, Inonu University, Fen-Edebiyat Fakültesi, Astronomi Ve Uzay Bilimleri Bölümü, 2011 - Continues
Research Assistant, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2004 - 2011

Courses

Introduction to Bioinformatics, Undergraduate, 2022-2023
Biomolecular Modeling, Undergraduate, 2022-2023
Computational Biology, Undergraduate, 2022-2023

Biostatistics, Undergraduate, 2022-2023
Biophysics, Undergraduate, 2022-2023
Bioinformatics Programming, Undergraduate, 2022-2023
Physics, Undergraduate, 2022-2023
Information Technologies, Undergraduate, 2022-2023
Computational Biology, Undergraduate, 2021-2022
Biophysics, Undergraduate, 2021-2022
WEB Programlama, Undergraduate, 2021-2022
Introduction to Bioinformatics, Undergraduate, 2021-2022
Programlama Dilleri 1, Undergraduate, 2017 - 2018, 2016 - 2017
Advanced Programming for Bioinformatics, Undergraduate, 2017 - 2018, 2016 - 2017
Information Tehnologies, Undergraduate, 2017 - 2018
Temel Bilgi Teknolojileri 2, Undergraduate, 2017 - 2018, 2016 - 2017
Temel Bilgi Teknolojileri -1, Undergraduate, 2017 - 2018, 2016 - 2017
Biophysics, Undergraduate, 2017 - 2018, 2016 - 2017
Information Tehnologies, Undergraduate, 2017-2018
Bioinformatics Programming, Undergraduate, 2016 - 2017
Advanced Programming for Bioinformatics, Undergraduate, 2017-2018
Biophysics, Undergraduate, 2017-2018
Temel Bilgi Teknolojileri 2, Undergraduate, 2017-2018
Temel Bilgi Teknolojileri -1, Undergraduate, 2017-2018
Research Techniques, Undergraduate, 2016 - 2017
Programlama Dilleri 1, Undergraduate, 2017-2018
Bioinformatics Programming, Undergraduate, 2016-2017
Programlama Dilleri 1, Undergraduate, 2016-2017
Temel Bilgi Teknolojileri 2, Undergraduate, 2016-2017
Biophysics, Undergraduate, 2016-2017
Advanced Programming for Bioinformatics, Undergraduate, 2016-2017
Research Techniques, Undergraduate, 2016-2017
Temel Bilgi Teknolojileri -1, Undergraduate, 2016-2017
Temel Bilgi Teknolojileri -1, Undergraduate, 2015-2016
Temel Bilgi Teknolojileri 2, Undergraduate, 2015-2016
Advanced Programming for Biophysics, Undergraduate, 2015-2016
Bioinformatics Programming, Undergraduate, 2015-2016
Information Technologies, Undergraduate, 2014-2015
Bioinformatics Programming, Undergraduate, 2014-2015
Temel Bilgi Teknolojileri -1, Undergraduate, 2014-2015
Temel Bilgi Teknolojileri 2, Undergraduate, 2014-2015
Temel Bilgi Teknolojileri 2, Undergraduate, 2013-2014
Temel Bilgi Teknolojileri -1, Undergraduate, 2013-2014
Temel Bilgi Teknolojileri 2, Undergraduate, 2012-2013
Temel Bilgi Teknolojileri -1, Undergraduate, 2012-2013

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Modeling of particle-capture mechanism of axial magnetic filter in bounded flow field with variable viscosity**
KARADAĞ T., BAKIR H. G.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.38, no.1, pp.45-53, 2020 (SCI-Expanded)
II. **Surface modification of YIG by magnet array**

ATALAY S., KOLAT V. S., BAKIR H. G., İZGİ T., KAYA A., KAYA O. A., GENÇER H.
APPLIED SURFACE SCIENCE, vol.354, pp.337-341, 2015 (SCI-Expanded)

III. **An attempt to understand the observed plateau of the magnetization in tetranuclear iron(II) complexes of thiacalixarene macrocycles**
Bayri A., BAKIR H. G., SÜLÜ M., KARAKAPLAN M.
PRAMANA-JOURNAL OF PHYSICS, vol.74, no.3, pp.391-397, 2010 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **A Novel Python Script for Genetic Association Analysis at Diplotype Level**
SÖZEN M. M., BAKIR H. G.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022) November 23-25, 202, Ankara, Turkey, 23 November 2022, pp.233

II. **Predicting and classifying functional sites of proteins using support vector machines**
KOCABAY S., BAKIR H. G., ATALAN E.
3rd International Eurasian Conference onBiological and Chemical Sciences(EurasianBioChem 2020), Ankara, Turkey, 19 - 20 March 2020, pp.532

III. **A word-dictionary based algorithm to predict functional sites using perl**
ATALAN E., KOCABAY S., BAKIR H. G.
2nd International Eurasian Conference onBiological and Chemical Sciences(EurasianBioChem 2019), 28 - 29 July 2019, no.1

IV. **Development and application of sensor network for autonomous vehicles**
KAYADUMAN A., ARIKAN A., DİKMEN İ. C., BAKIR H. G., KARADAĞ T., ABBASOV T.
2018 INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND DATA PROCESSING (IDAP), Malatya, Turkey, 28 - 30 September 2018

V. **Control method simulation and application for autonomous vehicles**
Arıkan A., Kayaduman A., Polat S., Şimşek Y., Dikmen İ. C., Bakır H. G., Karadağ T., Abbasov T.
2018 INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND DATA PROCESSING (IDAP), Malatya, Turkey, 28 - 30 September 2018

VI. **Design and implementation of ultrasonic sonar system for autonomous vehicles**
SEVEN S., DİKMEN İ. C., KARADAĞ T., BAKIR H. G., ABBASOV T.
2018 International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018

VII. **Modelling of Particle Capture Dynamics from non-Newtonian Liquids by Using Superconductor Solenoid Magnets**
BAKIR H. G., KARADAĞ T., DİKMEN İ. C.
6th International Conference on Superconductivity and Magnetism (ICSM2018), Antalya, Turkey, 29 April - 04 May 2018, pp.722

VIII. **Electromagnetic field pollution measurements and mappings in a university settlement**
Keskinkilinc U., Arikan A., Kizilaslan B., Tekin S., Komurkara T., ALTUNEL KILINÇ E., KARADAĞ T., Dikmen I. C., BAKIR H. G., Kartaca K., et al.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018

IX. **Development and application of sensor network for autonomous vehicles**
Kayaduman A., Arikan A., Dikmen I. C., BAKIR H. G., KARADAĞ T., ABBASOV T.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018

X. **Control method simulation and application for autonomous vehicles**
Arikan A., Kayaduman A., Polat S., Simsek Y., Dikmen I. C., BAKIR H. G., KARADAĞ T., ABBASOV T.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September

2018

XI. **Design and implementation of ultrasonic sonar system for autonomous vehicles**
Seven S., Dikmen I. C., KARADAĞ T., BAKIR H. G., ABBASOV T.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018

XII. **Temel Kodlama Becerisi Geliştirmek Amacıyla Hazırlanan Ders İçeriğinin ve Robomind Uygulamasının Öğrencilerin Akademik Başarısına Etkisi**
KALECİ D., URUN S., ÖZPOLAT İ., BAKIR H. G.
11. International Computer and Instructional Technologies Symposium, Malatya, Turkey, 24 - 26 May 2017, pp.831

XIII. **Computational Investigation Of Magnetic Interactions In Polynuclear Fe 2 Complexes**
BAKIR H. G., BAYRİ A.
Sözlü Sunum, International Conference On Superconductivity And Magnetism 2016, fethiye, Turkey, 24 - 30 April 2016

XIV. **Surface Modification Of Yıg By Magnet Array,**
BAKIR H. G., KOLAT V. S., İZGİ T., KAYA A. O., KAYA O. A., GENÇER H., ATALAY S.
European Conference On Surface Science, 31 August - 04 September 2014

Supported Projects

OKUŞLUK F., SADIK O., BAKIR H. G., Project Supported by Higher Education Institutions, Öğrenci merkezli yenilikçi öğrenme ortamları uygulama ve araştırmaları, 2021 - 2023

ATALAN E., KOCABAY S., BAKIR H. G., Project Supported by Higher Education Institutions, Homo Sapiens Türünde Karakterize Edilmiş Proteinlerden Yararlanarak 20 Kelimelik Prototip Genetik Sözlüğü PERL Programlama Dili Kullanılarak Oluşturulması, 2018 - 2020

Metrics

Publication: 17
Citation (WoS): 5
Citation (Scopus): 14
H-Index (WoS): 1
H-Index (Scopus): 2