

Prof. HÜSEYİN OVALIOĞLU

Personal Information

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International Researcher IDs

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ScopusID: 24460278400

Yoksis Researcher ID: 157808

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Dr), Turkey 1999 - 2008

Postgraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, Turkey 1996 - 1998

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, Turkey 1990 - 1995

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Flüorokarbonlarda EPR Spektrumları, Spin-Örgü Durulma Zamanları ve UV Spektrumlarının İncelenmesi, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2008

Postgraduate, Proton ve Fluor Spini İçeren Bazı Organik Moleküllerde NMR Aşırı İnce Yapısının Bilgisayar Yardımıyla Elde Edilmesi, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1998

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2022 - Continues

Associate Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2014 - 2022

Assistant Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2011 - 2014

Academic and Administrative Experience

Department Academic Incentive Evaluation Commission Member, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik,

2024 - Continues

Vocational School Academic Council Member, Bursa Uludağ University, Büyükorhan Myo, 2024 - Continues
Vocational School Management Board Member, Bursa Uludağ University, Büyükorhan Myo, 2024 - Continues
Director of Vocational School, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2021 - Continues
Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2016 - 2017
Vice Dean, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2015 - 2017
Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2015 - 2016

Courses

İLERİ MATEMATİK, Associate Degree, 2022 - 2023
Temel Matematik I, Associate Degree, 2023 - 2024, 2022 - 2023
ÖZEL ÖĞRETİM YÖNTEMLERİ, Undergraduate, 2023 - 2024
İstatistik Fizik Laboratuvarı, Undergraduate, 2022 - 2023, 2021 - 2022
Temel Matematik, Associate Degree, 2023 - 2024, 2022 - 2023
Temel Matematik, Associate Degree, 2023 - 2024, 2022 - 2023
Temel Fizik I, Undergraduate, 2023 - 2024, 2022 - 2023
ÖĞRETMENLİK UYGULAMASI, Undergraduate, 2023 - 2024
TEMEL FİZİK II, Undergraduate, 2022 - 2023
BASIC PHYSICS I, Undergraduate, 2023 - 2024
TEMEL FİZİK II , Undergraduate, 2022 - 2023
Temel Matematik, Associate Degree, 2023 - 2024, 2022 - 2023
FZK1071 Temel Fizik I (Endüstri Mühendisliği), Undergraduate, 2022 - 2023
TEMEL FİZİK II, Undergraduate, 2021 - 2022
İSTATİSTİK, Associate Degree, 2021 - 2022
İSTATİSTİK FİZİK, Undergraduate, 2021 - 2022
FİZİK, Undergraduate, 2022 - 2023
TEMEL FİZİK II, Undergraduate, 2021 - 2022
TİCARİ MATEMATİK, Associate Degree, 2021 - 2022
TEMEL FİZİK II, Undergraduate, 2021 - 2022
istatistik, Associate Degree, 2021 - 2022

Advising Theses

OVALIOĞLU H., Magnetic particle imaging systems, Postgraduate, E.Uzak(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Application of nuclear magnetic resonance/magnetic resonance imaging techniques to estimate proton relaxation parameters in various solvent at Earth field**
OVALIOĞLU H.
Emerging Materials Research, vol.11, no.3, pp.303-312, 2022 (SCI-Expanded)
- II. **Effect of sample age of fluorocarbons on MC800 asphaltene on dynamic nuclear polarization parameters**
Huseyin H., Ovalioglu O.
INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.29, no.2, pp.195-200, 2022 (SCI-Expanded)
- III. **Sample age effect on parameters of dynamic nuclear polarization in certain difluorobenzen isomers/MC800 asphaltene suspensions**

OVALIOĞLU H.

OPEN CHEMISTRY, vol.20, no.1, pp.97-104, 2022 (SCI-Expanded)

- IV. **Intermolecular effects of fluorocarbons on MC800 asphaltene and their characterization**
Kirimli H., Ovalioglu H., Akay C.
Acta Physica Polonica A, vol.131, no.3, pp.336-338, 2017 (SCI-Expanded)
- V. **Intermolecular magnetic spin-spin interaction in asphaltene suspensions at 1.53 mT**
Ovalioglu H., Kirimli H., Akay C.
Acta Physica Polonica A, vol.129, no.4, pp.806-809, 2016 (SCI-Expanded)
- VI. **F Dynamic Nuclear Polarization and SEM in Suspensions Consisting of Fluorobenzene Derivatives and Asphaltene Extracted from MC-800 Liquid Asphalt**
Engin Kirimli H., Ovalioğlu H.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.35, no.2, pp.255-264, 2014 (SCI-Expanded)
- VII. **The effect of sample age and neutron radiation to dynamic nuclear polarization parameters in some asphaltene suspensions**
Ovalioglu H.
Journal of Dispersion Science and Technology, vol.32, no.10, pp.1470-1476, 2011 (SCI-Expanded)
- VIII. **The effect of sample age on dynamic nuclear polarization parameters in asphalt suspensions**
Kirimli H., Peksoz A., Ovalioglu H., Yalciner A.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.33, no.7, pp.604-611, 2011 (SCI-Expanded)
- IX. **Analytical information on the asphaltenes from a few standard characterization techniques**
Peksoz A., Akay S. K., Kaya Y., Ovalioglu H., Kaynak G., Yalciner A.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.33, no.15, pp.1474-1481, 2011 (SCI-Expanded)
- X. **Dynamic nuclear polarization in highly fluorinated solutions**
Ovalioglu H., PEKSÖZ A., ENGİN KIRIMLI H., Yalciner A.
Journal of Dispersion Science and Technology, vol.31, no.3, pp.332-337, 2010 (SCI-Expanded)
- XI. **Intermolecular Spin-Spin Coupling in Highly Fluorinated Solutions of Galvinoxyl Free Radical**
OVALIOĞLU H., PEKSÖZ A., ENGİN KIRIMLI H., Yalciner A.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.65, no.3, pp.254-262, 2010 (SCI-Expanded)
- XII. **Computational modeling of magnetic properties and glass forming ability of bulk amorphous materials**
Kabaer M., Ovalioglu H., Kucuk I.
Acta Physica Polonica A, vol.118, no.5, pp.827-828, 2010 (SCI-Expanded)
- XIII. **Magnetic properties of nano-crystalline barium ferrite synthesized by different synthesis route**
Ovalioglu H., Sozeri H., Kabaer M., Kucuk I.
Acta Physica Polonica A, vol.118, no.5, pp.1020-1021, 2010 (SCI-Expanded)
- XIV. **Dynamic nuclear polarization in suspensions consisting of pure and mixed chlorobenzene and pyridine and asphaltene extracted from asphalt cement with penetration grad 60**
Ersozlu N. U., PEKSÖZ A., Ovalioglu H., Kirimli H., Cimenoglu M. A., Yalciner A.
Journal of Dispersion Science and Technology, vol.29, no.6, pp.899-904, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Simulation of NMR Hyperfine Structure Constant for AB₂, A₂B₂ and A₂B₃ Systems**

OVALIOĞLU H.

İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 11(1): 200-211, 2021 Journal of the Institute of Science and Technology, 11(1): 200-211, 2021, vol.11, no.1, pp.200-211, 2020 (Peer-Reviewed Journal)

- II. **Synthesis and Characterization of Barium Ferrite Containing Magnetic Affinity Microbeads and**

Isotherm Analysis of Cr(VI) Ions Adsorption from Aqueous Solutions

KARA A., Demirbel E., SÖZERİ H., KÜÇÜK İ., OVALIOĞLU H.

Hacettepe Journal of Biology and Chemistry, vol.42, no.3, pp.299-312, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **CHAPTER 6 : THE EFFECT OF SAMPLE AGE OF N-METHYL-BİSTRİFLUOROACETAMİDE IN GALVİNOXYL RADICAL ON DYNAMIC NUCLEAR POLARIZATION PARAMETERS**
OVALIOĞLU H.
in: NATURAL SCIENCES: METHODS AND APPLICATIONS, Dr. Seda CETİNDERE, Editor, iksad Publishing House, Ankara, pp.133-148, 2021
- II. **CHAPTER 5 : THE EFFECT OF SAMPLE AGE OF METADİFLUOROBENZENE IN MC-800 ASPHALTENE SUSPENSION ON DYNAMIC NUCLEAR POLARIZATION PARAMETERS**
OVALIOĞLU H.
in: NATURAL SCIENCES: METHODS AND APPLICATIONS, Dr. Seda CETİNDERE, Editor, iksad Publishing House, Ankara, pp.115-132, 2021
- III. **Atom ve Molekül Fiziği laboratuvarı Deney Kılavuzu**
PEKSÖZ A., OVALIOĞLU H., ENGİN KIRIMLI H.
Uludağ Üniversitesi Basımevi Müdürlüğü, Bursa, 2008

Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION THEORETICAL SPECTRA BY COMPUTER SIMULATION FOR AB₂ SYSTEM**
OVALIOĞLU H.
II. ULUSLARARASI 29 EKİM BİLİMSEL ARAŞTIRMALAR SEMPOZYUMU 29-31 Ekim 2020 ANKARA, Ankara, Turkey, 29 October 2020, pp.125-126
- II. **EFFECT OF SAMPLE AGE OF ORTO 1,2 DİFLUOROBENZENE IN MC-800 ASPHALTENE SUSPENSION ON DYNAMIC NUCLEAR POLARIZATION PARAMETERS**
OVALIOĞLU H.
CUKUROVA 5th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE October 9-11,2020 / Adana, TURKEY, Adana, Turkey, 09 October 2020, pp.151-152
- III. **Fluorocarbons Effects on MC800 Asphaltene and Their Characterization**
ENGİN KIRIMLI H., OVALIOĞLU H.
6th International Advances in Applied Physics and Materials Science Congress Exhibition, İstanbul, Turkey, 1 - 03 June 2016
- IV. **Intermolecular Magnetic Spin Spin Interaction in Asphaltene Suspensions at 1 53 mT**
OVALIOĞLU H., ENGİN KIRIMLI H.
5th International Advances in Applied Physics and Materials Science Congress Exhibition, 16 - 19 April 2015
- V. **1H Dynamic Nuclear Polarization and EPR Spectra in Solutions of Tempo FreeRadical at 1 53 mT**
ENGİN KIRIMLI H., OVALIOĞLU H.
4th International Advances in Applied Physics and Materials Science Congress Exhibition, 24 - 27 April 2014
- VI. **1H DNP in solutions 4 amino tempo radical at1.53mT**
OVALIOĞLU H., ENGİN KIRIMLI H.
29th International Physical Congress, 5 - 08 September 2012
- VII. **Dynamic Nuclear Polarization Parameters in Suspensions Consisting of Fluorocarbons and Asphaltene**
OVALIOĞLU H., ENGİN KIRIMLI H.
29th International Physical Congress, 5 - 08 September 2012
- VIII. **Dynamic Nuclear Polarization Parameters in Suspension Consisting of Fluorocarbons and**

Asphaltene

OVALIOĞLU H., ENGİN KIRIMLI H.

29th International Physical Congress, 5 - 08 September 2012

IX. Intermolecular Spin-Spin Coupling in Highly Fluorinated Solutions Of Galvinoxyl Free Radical

OVALIOĞLU H., PEKSÖZ A., Akay K. S., KAYA Y., ENGİN KIRIMLI H., Yalçiner A.

26th International Physical Congress, 24 - 27 September 2009

X. Zayıf Alan Çift Rezonans NMR Spektrometresi için Ortalama Bilgisayarı

AKAY C., Yalçiner A., OVALIOĞLU H.

II. Kızıllırmak Uluslararası Fen Bilimleri Kongresi, Kırıkkale, Turkey, 20 May - 22 October 1998

XI. B_1998 Proton ve Fluor içeren Bazı Organik Moleküllerin NMR Aşırı İnce Yapısının Bilgisayar Yardımıyla İncelenmesi 2

Yalçiner A., OVALIOĞLU H., AKAY C.

II. Kızıllırmak Uluslararası Fen Bilimleri Kongresi, Kırıkkale, Turkey, 20 May - 22 October 1998

XII. Dynamic Nuclear Polarization in Suspensions of Liquid Asphalts in Weak Magnetic Field

Yalçiner A., Çimenoğlu M. A., AKAY C., OVALIOĞLU H.

LAMP-97 International Symposium on Lasers, Atomic and Molecular Physics, İstanbul, Turkey, 16 - 20 September 1997

Metrics

Publication: 32

Citation (WoS): 44

Citation (Scopus): 49

H-Index (WoS): 5

H-Index (Scopus): 5

Non Academic Experience

Uludağ Üniversitesi