

Prof. HÜSEYİN OVALIOĞLU

Personal Information

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International Researcher IDs

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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

Undergraduate

ÖZEL ÖĞRETİM YÖNTEMLERİ, Undergraduate, 2023 - 2024

İstatistik Fizik Laboratuvarı, Undergraduate, 2022 - 2023, 2021 - 2022

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

FZK1071 Temel Fizik I (Endüstri Mühendisliği), Undergraduate, 2022 - 2023

TEMEL FİZİK II, Undergraduate, 2021 - 2022

İSTATİSTİK FİZİK, Undergraduate, 2021 - 2022

FİZİK, Undergraduate, 2022 - 2023

TEMEL FİZİK II, Undergraduate, 2021 - 2022

TEMEL FİZİK II, Undergraduate, 2021 - 2022

Associate Degree

İLERİ MATEMATİK, Associate Degree, 2022 - 2023

Temel Matematik I, Associate Degree, 2023 - 2024, 2022 - 2023

Temel Matematik, Associate Degree, 2023 - 2024, 2022 - 2023

Temel Matematik, Associate Degree, 2023 - 2024, 2022 - 2023

Temel Matematik, Associate Degree, 2023 - 2024, 2022 - 2023

İSTATİSTİK, Associate Degree, 2021 - 2022

TİCARİ MATEMATİK, Associate Degree, 2021 - 2022

istatistik, Associate Degree, 2021 - 2022

Supervised 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

I. CHAPTER 6 : THE EFFECT OF SAMPLE AGE OF N-METHYL-BİSTRİFLUOROACETAMİDE IN GALVINOXYL RADICAL ON DYNAMIC NUCLEAR POLARIZATION PARAMETERS

OVALIOĞLU H.

in: NATURAL SCIENCES: METHODS AND APPLICATIONS, Dr. Seda CETINDERE, 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 CETINDERE, 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

Papers Published in Refereed Scientific Meetings

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., Yalçın A.

26th International Physical Congress, 24 - 27 September 2009

X. Zayıf Alan Çift Rezonans NMR Spektrometresi için Ortalama Bilgisayarı

AKAY C., Yalçın A., OVALIOĞLU H.

II. Kızılırmak 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

Yalçın A., OVALIOĞLU H., AKAY C.

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

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

Yalçın 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): 53

H-Index (WoS): 5

H-Index (Scopus): 5

Non Academic Experience

Uludağ Üniversitesi, Yrd. Doç. Dr.