

Lect. PhD FATİH ÖZKALAYCI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAR-4361-2020

Yoksis Researcher ID: 28209

Education Information

Doctorate, Firat University, Institute Of Science, Physics, Turkey 2012 - 2018

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Physics, Turkey 2008 - 2011

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Fizik, Turkey 2003 - 2008

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, ELECTRONIC AND DYNAMIC PROPERTIES OF ATOM-DIATOM AND DIATOM-DIATOM INTERACTIONS, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Physics, 2018

Postgraduate, Comparison of puls shape discrimination capabilities of Hidex 300SL and Hidex triathler, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Physics, 2011

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Karadeniz Technical University, Rektörlük, Rektörlük, 2018 - Continues

Lecturer, Karadeniz Technical University, Rektörlük, Rektörlük, 2015 - 2018

Research Assistant, Bingol University, Faculty Of Arts And Sciences, Department Of Physics, 2009 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Ulexite/HDPE-Bi₂O₃/HDPE layered composites for neutron and gamma radiation shielding

- ALVER Ü., UZUN DURAN S., DEMİRÖZ M. B., Mucogllava B., ASLAN M., ÇAVA K., ÖZKALAYCI F., Dindar O. APPLIED RADIATION AND ISOTOPES, vol.200, 2023 (SCI-Expanded)
- II. Lead(II) chloride effects on nuclear shielding capabilities of polymer composites
ÖZKALAYCİ F., Kacal M. R., Agar O., Polat H., Sharma A., Akman F.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.145, 2020 (SCI-Expanded)
- III. Elemental analysis for iron, cobalt, copper and zinc decorated hydroxyapatite synthetic bone dusts by EDXRF and SEM
Koksal O. K., Wrobel P., APAYDIN G., Cengiz E., LANKOSZ M., Tozar A., Karahan I. H., ÖZKALAYCİ F.
MICROCHEMICAL JOURNAL, vol.144, pp.83-87, 2019 (SCI-Expanded)
- IV. Investigation of heavy metal distributions along 15m soil profiles using EDXRF, XRD, SEM-EDX, and ICP-MS techniques
Ozen S. A., ÖZKALAYCİ F., ÇEVİK U., VAN GRIEKEN R.
X-RAY SPECTROMETRY, vol.47, no.3, pp.231-241, 2018 (SCI-Expanded)
- V. Assessment of Radiological Levels at Schools in Trabzon, Turkey
ÇEVİK U., Celik A., Celik N., Ozkalayci F., Akbulut S.
INDOOR AND BUILT ENVIRONMENT, vol.22, no.2, pp.376-383, 2013 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. Calculation of the X-Ray Absorption Coefficients for nMnHAp
KÖKSAL O. K., APAYDIN G., TOZAR A., ÖZKALAYCİ F., KARAHAN İ. H., Cengiz E.
European Conference on X-Ray Spectrometry, Ljubljana, Slovenia, 24 - 29 June 2018, pp.58
- II. Investigation of Rg-NO Interactions
ÖZKALAYCİ F., ÖREK C., Klos J., Lique F., BULUT N.
International Conference on Physical Chemistry and Functional Materials, 19 - 21 June 2018
- III. DYNAMIC CALCULATIONS OF RG-NO (X1Σ) VAN DER WAALSCOMPLEXES
ÖZKALAYCİ F., ÖREK C., Klos J., Lique F., BULUT N.
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 2 - 06 May 2018
- IV. WEAKLY INTERACTING MOLECULAR CLUSTER OF H2 WITH NO
ÖZKALAYCİ F., ÖREK C., BULUT N.
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, 2 - 06 May 2018
- V. Natural Bond Orbital Analysis of NOH2 Molecule
ÖZKALAYCİ F., ÖREK C., BULUT N.
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- VI. Hydrogen Migration Study in NOH2 Reaction
ÖZKALAYCİ F., ÖREK C., BULUT N.
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- VII. Ab Initio Calculations of the Rg-NO Structure and Vibrational Frequencies
ÖREK C., ÖZKALAYCİ F., BULUT N.
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- VIII. Ab initio intermolecular potential energy surfaces of H2-NO Complex.
ÖREK C., ÖZKALAYCİ F., BULUT N.
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- IX. Vibrational Spectra Analysis: NO-CH Interactions
ÖZKALAYCİ F., BULUT N.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017, pp.278
- X. Electronic Properties of Atom Diatom Interactions
ÖZKALAYCİ F., BULUT N.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- XI. Calculation of Electronic Structure of Diatomic Molecules and Atom Molecule Interactions with

Different Methods

ÖZKALAYCİ F., ÖREK C., BULUT N.

1st International Conference on Organic Electronic Material Technologies (OEMT2015), 25 - 28 March 2015

XII. **Evaluation of ED XRF analysis results using data reduction**

AKBULUT ÖZEN S., ÇEVİK U., Novakovic V., de Wael K., ÖZKALAYCİ F.

1st International Conference on New Trends in Chemometrics and Applications, 8 - 11 November 2011

XIII. **Comparison of pulse shape discrimination capabilities of Hidex 300SL and Hidex Triathler**

ÖZKALAYCİ F., DeVol T. A., AKBULUT ÖZEN S., ÇEVİK U., ÇELİK A.

28th International Physics Congress, 6 - 09 September 2011

XIV. **Assessment of heavy metal distribution in Nilufer Bursa with several nondestructive X ray techniques**

AKBULUT ÖZEN S., ÖZKALAYCİ F., Rene V. G., ÇEVİK U.

28th International Physics Congress, 6 - 09 September 2011

XV. **Thermoelectric Converter**

ÖZKALAYCİ F., Kocaslan M. A., Zengin Z.

4th International Student Conference of the Balkan Physical Union (ISCBPU-4), 29 August - 01 September 2006

Metrics

Publication: 20

Citation (WoS): 29

Citation (Scopus): 33

H-Index (WoS): 3

H-Index (Scopus): 3

Non Academic Experience

Clemson Universities