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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, -, Turkey Continues

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, -, Turkey Continues

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Fizik, Turkey Continues

Research Areas

Physics, Atomic and Molecular Physics, Atomic and Molecular Interactions, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of external electric field on C-X center dot center dot center dot halogen bonds**
Tokatlı A., Tunc F., Uçun F.
JOURNAL OF MOLECULAR MODELING, vol.25, 2019 (Journal Indexed in SCI)
- II. **Spectral analysis and quantum chemical studies of chair and twist-boat conformers of cycloheximide in gas and solution phases**
TOKATLI A., UCUN F., Sutcu K., Osmanoglu Y. E., Osmanoglu S.
JOURNAL OF MOLECULAR STRUCTURE, vol.1154, pp.428-436, 2018 (Journal Indexed in SCI)
- III. **Conformational, IR, NMR, and EPR analysis of ifosfamide by density functional theory calculation**
Osmanoglu Y. E., TOKATLI A., Sutcu K., Osmanoglu S., UCUN F.
MONATSHFTE FÜR CHEMIE, vol.148, no.2, pp.227-236, 2017 (Journal Indexed in SCI)
- IV. **Aromatization of triafulvene and its exocyclic Si, Ge, and Sn derivations by complexation with halogen atoms**
TOKATLI A., Tunc F., UCUN F., OTURAK H.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.192, no.3, pp.351-358, 2017 (Journal Indexed in SCI)
- V. **Delta g: The new aromaticity index based on g-factor calculation applied for polycyclic benzene rings**
UCUN F., TOKATLI A.
CHEMICAL PHYSICS LETTERS, vol.621, pp.5-11, 2015 (Journal Indexed in SCI)
- VI. **CTED: the new aromaticity index based on corrected total electron density at bond critical points**
TOKATLI A., UCUN F.
JOURNAL OF PHYSICAL ORGANIC CHEMISTRY, vol.27, no.5, pp.380-386, 2014 (Journal Indexed in SCI)
- VII. **Aromatic character of fluorinated pyridines**
TOKATLI A., AKYÜREKLİ S.
STRUCTURAL CHEMISTRY, vol.24, no.2, pp.445-454, 2013 (Journal Indexed in SCI)
- VIII. **Density Functional Theory Study on Conformers of Benzoylcholine Chloride**

KARAKAYA M., UCUN F., TOKATLI A.

JOURNAL OF SPECTROSCOPY, 2013 (Journal Indexed in SCI)

- IX. **Quantum chemical computational studies on 5-(4-bromophenylamino)-2-methylsulfanylmethyl-2H-1,2,3-triazol-4-carboxylic acid ethyl ester**
TOKATLI A., ÖZEN E., UCUN F., BAHÇELİ S.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.78, no.3, pp.1201-1211, 2011 (Journal Indexed in SCI)
- X. **Product operator descriptions of the 2D DEPT J-resolved NMR experiment for weakly coupled ISn (I=1/2, S=3/2; n=1, 2, 3) spin systems**
TOKATLI A., BAHÇELİ S.
PHYSICA SCRIPTA, vol.81, no.2, 2010 (Journal Indexed in SCI)
- XI. **The product operator description of INEPT experiments for IS (I=1/2; S=5/2) spin systems and its applications to microcline and TMP-AlCl₃ complex in NaX zeolite**
Bahçeli S., Tokatli A.
APPLIED MAGNETIC RESONANCE, vol.29, no.4, pp.617-626, 2005 (Journal Indexed in SCI)
- XII. **Product operator descriptions of INEPT and RINEPT NMR spectroscopies for ISn (I=1/2, S=3/2) spin systems**
Tokatli A., GENÇTEN A., ŞAHİN M., TEZEL Ö., BAHÇELİ S.
JOURNAL OF MAGNETIC RESONANCE, vol.169, no.1, pp.68-72, 2004 (Journal Indexed in SCI)
- XIII. **A theoretical investigation of distortionless enhancement by polarization transfer and subspectral editing with a multiple quantum trap NMR spectroscopy for CXn groups**
Tezel O., Gençten A., Tokatli A., Sahin M., Bahçeli S.
ACTA PHYSICA POLONICA A, vol.104, no.5, pp.503-511, 2003 (Journal Indexed in SCI)
- XIV. **Subspherical editing with a multiple quantum trap of ISn spin systems by using product operator theory**
SAHİN M., Tokatli A., BAHÇELİ S., GENÇTEN A.
ACTA PHYSICA POLONICA A, vol.104, no.1, pp.73-80, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Chemical Reactivity Behavior of Polyethylene and Polyacetylene Depending on Number of Unit via Global Reactivity Parameters and Some Spectral Results**
UCUN F., AKIN T., TOKATLI A.
International Journal of Scientific Research in Science, Engineering and Technology, vol.4, no.10, 2018 (Refereed Journals of Other Institutions)
- II. **Global Reaktiflik Parametreleri ve Bazı Spektral Sonuçlarla Polipropilenin Zincir Uzunluğuna Bağlı Kimyasal Reaktifliği**
Akin T., UCUN F., TOKATLI A.
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, 2018 (Refereed Journals of Other Institutions)
- III. **Chemical Reactivity Behavior of Polyethylene and Polyacetylene Depending on Number of Unit via Global Reactivity Parameters and Some Spectral Results**
UCUN F., AKIN T., TOKATLI A.
International Journal of Scientific Research in Science, Engineering and Technology, vol.4, no.10, pp.22-29, 2018 (Refereed Journals of Other Institutions)
- IV. **Theoretical Study of Vibrational Frequencies and Chemical Shifts of Choline Halides (F,Cl,Br)**
KARAKAYA M., UCUN F., TOKATLI A., Bahçeli S.
Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, 2010 (Refereed Journals of Other Institutions)
- V. **2B-SEMUT ÇMR Spektroskopisi**
ŞAHİN M., TOKATLI A.
S.D.U Fen Bilimleri Enstitüsü Dergisi, 2007 (Refereed Journals of Other Institutions)

- VI. **ISn (I=1/2, S=7/2 n=1, 2, 3) Spin Sistemleri İçin Çarpım Operatör Kuramı ve 2B-J Çözünürlü ÇMR Deneyine Uygulanması**
TOKATLI A., BAHÇELİ S.
S.D.U Fen Bilimleri Enstitüsü Dergisi, 2004 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of external electric field on interaction of non-aromatic pi-systems**
TUNÇ F., TOKATLI A., UCUN F.
TFD 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.552
- II. **Response of halogen-pi interaction in CH₃Br ---Benzene complex toward external electric field: A theoretical study**
TUNÇ F., TOKATLI A., UCUN F.
TFD 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.260
- III. **Effect of External Electric Field on Intermolecular Halogen Bond of the N-Substituted Imidazoles ••• X₂/XY Complexes**
TUNÇ F., TOKATLI A., UCUN F.
III. International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), 26 - 29 August 2017
- IV. **Determination of Aromatic Characters of The Fluorinated Diazines**
ARSLAN B., TOKATLI A., UCUN F.
TFD-32, 6 - 09 September 2016
- V. **Yoğunluk Fonksiyon Teori DFT Metoduyla Kolin Halojenlerin F Cl Br Titreşimsel Analizi ve Kimyasal Kaymaları**
UCUN F., TOKATLI A., Karakaya M.
Adım Fizik Günleri 21-22 Mayıs Afyon Kocatepe Üniversitesi, Turkey, 1 - 03 July 2010
- VI. **Molecular structure and vibrational and chemical shift assignments of 5 4 Bromophenylamino 2 methylsulfanylmethyl 2H 1 2 3 triazol 4 carboxylic acid ethyl ester by DFT and ab initio HF calculations**
UCUN F., TOKATLI A., BAHÇELİ S., ÖZEN E.
Adım Fizik Günleri 21-22 Mayıs Afyon Kocatepe Üniversitesi, Turkey, 1 - 03 July 2010

Citations

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