

Assoc. Prof. Halil OTURAK

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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey Continues

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik (YI), Turkey Continues

Undergraduate, Ondokuz Mayıs University, Faculty Of Education, Fen Bilimleri Eğitimi, Turkey Continues

Research Areas

Physics, Atomic and Molecular Physics, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental and Theoretical Spectral (FT-IR, Raman, NMR, UV-Vis and NLO) Analysis of a Potential Anti-Tumor Drug 1-Methyl-6-Nitro-1H-Benzimidazole**
OTURAK H., Kinayturk N. K. , ÇIRAK Ç.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.38, no.6, pp.1963-1969, 2018 (Journal Indexed in SCI)
- II. **The Optical and Crystallite Characterization of Bilayer TiO₂ Films Coated on Different ITO layers**
Kutlu N., OTURAK H.
OPEN CHEMISTRY, vol.16, no.1, pp.1275-1282, 2018 (Journal Indexed in SCI)
- III. **Experimental and Quantum Chemical Calculations of 2-Amino-4,5,6,7-Tetrahydrobenzo[b]Thiophene-3-Carbonitrile**
OTURAK H., Kinayturk N., TOPUZ M. A. , KUTLU N., KAYNAKER E., Talip P., Sert Y.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.1192-1199, 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. **Identification of Structural and Spectral Features of 2-Amino 4-Chlorobenzoic Acid and 4-Amino 2-Chlorobenzoic Acid: A Comparative Experimental and DFT Study**
Kinayturk N., OTURAK H.
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.276-281, 2016 (Journal Indexed in SCI)
- VI. **Structure and Vibrational Studies of +/- 1-(1H-Benzoimidazol-2-yl) Ethanol, Using DFT Method**
OTURAK H., Kinayturk N., ŞAHİN G.
ACTA PHYSICA POLONICA A, vol.128, 2015 (Journal Indexed in SCI)
- VII. **Structural, vibrational (FT-IR and FT-Raman) and UV-Vis spectral analysis of 1-phenyl-3-(1,2,3-thiadiazol-5-yl)urea by DFT method**
Meganathan C., Sebastian S., Sivanesan I., Lee K. W. , Jeong B. R. , OTURAK H., Sudha S., Sundaraganesan N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.95, pp.331-340, 2012

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- VIII. **Molecular structure, harmonic and anharmonic frequency calculations of 2,4-dichloropyrimidine and 4,6-dichloropyrimidine by HF and density functional methods**
Rani U., OTURAK H., Sudha S., Sundaraganesan N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.78, no.5, pp.1467-1475, 2011 (Journal Indexed in SCI)
- IX. **A quantum wavepacket study of three-dimensional Ne-H-2(+) scattering**
GOGTAS F., OTURAK H., BULUT N., AKPINAR S., Kokce A.
MOLECULAR PHYSICS, vol.101, no.12, pp.1901-1909, 2003 (Journal Indexed in SCI)
- X. **Time-dependent quantum study of three-dimensional inelastic scattering of I-H-2**
GOGTAS F., BULUT N., OTURAK H., Kokce A.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.584, pp.149-157, 2002 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **4-amino-1H-benzo[4,5]imidazo[1,2-a]pyrimidin-2-one molekülünün teoriksel IR spektrumu, titreşim frekansı ve geometrik parametrelerinin İncelenmesi**
Nermin K., OTURAK H.
Yalvaç Akademi Dergisi, vol.2, no.1, pp.19-32, 2017 (Other Refereed National Journals)
- II. **Theoretical Structural and Spectral Analyses of TEMPO Radical Derivatives of Fullerene**
UCUN F., KAYA S., OTURAK H.
Journal of Physical and Theoretical Chemistry, vol.13, no.1, pp.25-34, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental and Quantum Chemical Calculations of 2 Amino 4 5 6 7 Tetrahydrobenzo b Thiophene 3 Carbonitrile**
OTURAK H., KAYA KINAYTÜRK N., TOPUZ M. A. , KUTLU N., KAYNAKER E., Pınar T., SERT Y.
ICCESEN2016, 19 - 24 October 2016
- II. **Saçılma Probleminin Zamana Bağlı Kuantum Mekaniksel İncelenmesi**
OTURAK H., KÖKCE A., GÖKTAŞ F.
TFD-21 Fizik Kongresi, Isparta, Turkey, 11 - 14 September 2002, vol.1, no.1, pp.12
- III. **Non Minimal Etkileşme ve Kane Tipli Yarı İletkenlerde Safsızlıkların Enerji Spektrumları**
BABANLI (BABAYEV) A., Bağirov M., ÇAKMAK S., ARTUNC E., OTURAK H., KÖKCE A.
TFD-21 Fizik Kongresi, Isparta, Turkey, 11 - 14 September 2002, vol.1, no.1, pp.302

Supported Projects

KÖKCE A., OTURAK H., Project Supported by Higher Education Institutions, Atom-Molekül İnelastik Saçılma Probleminin Zamana Bağlı Kuantum Metodu ile İncelenmesi, 2001 - 2002

ALKAN A., UÇUN F., OTURAK H., SAĞLAM A., Project Supported by Higher Education Institutions, Katı Ve Sıvı Hal Reaksiyonu İle Katyonları Değiştirilmiş Zeolitlerin NMR,EPR Ve IR İncelemesi, 1998 - 2000

Citations

Total Citations (WOS):30

h-index (WOS):4