

Prof. EROL TAŞAL

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Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Dr), Turkey 1991 - 1997

Postgraduate, Anadolu University, Institute Of Science, Katıhal Fiziği (YI) (Tezli), Turkey 1989 - 1991

Undergraduate, Anadolu University, Faculty Of Arts And Sciences, Fizik Pr., Turkey 1985 - 1989

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yüksek-güçlü sürekli-dalgah infrared karbondioksit laser dizaynı, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Dr), 1997

Postgraduate, Doğal zeolit'in biyofiziksel bir uygulaması: BUN (Kandaki üre azotu)'xxnun temizlenmesi, Anadolu University, Fen Bilimleri Enstitüsü, Katıhal Fiziği (YI) (Tezli), 1991

Research Areas

Atomic and Molecular Physics, Theory of Atoms and Molecules, Atomic Spectra and Photon Interactions, Atomic and Molecular Interactions, Molecular Properties and Interactions with Photon, Chemistry, Analytical Chemistry, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 1991 - Continues

Courses

ATOM VE MOLEKÜL FİZİĞİ, Undergraduate

ATOM VE MOLEKÜL FİZİĞİ II(A), Undergraduate, 2020 - 2021

FİZİK II(A), Undergraduate, 2020 - 2021
FİZİK II LAB.(A), Undergraduate, 2020 - 2021
KUANTUM ELEKTRONİĞE GİRİŞ I , Undergraduate, 2020 - 2021
FİZİK I , Undergraduate, 2020 - 2021
MODERN KUANTUM MEKANIĞI , Postgraduate, 2020 - 2021

Advising Theses

Taşal E., AKILLI İLAÇ MOLEKÜLLERİNİN İNCELENMESİ, Postgraduate, Z.KIRANER(Student), 2023
Taşal E., 3-(2-(4-butilpiperazin-1-il)-2-okzoetil)-6-(4-florobenzoil)benzo[d]tiyazol-2(3h)-on molekülünün spektroskopik incelenmesi, Postgraduate, D.BALLI(Student), 2023
Taşal E., 3-(2-(4-etilpiperazin-1-il)-2-okzoetil) benzo[d]thiazol-2(3H)-on Molekülünün Spektroskopik İncelenmesi, Postgraduate, A.ÖZTÜRK(Student), 2023
Taşal E., Lazerlerin tiptaki uygulamaları, Postgraduate, M.AZAKI(Student), 2022
Taşal E., LASERLERİN TIPTAKİ FİZİK UYGULAMALARI, Doctorate, R.MOHAMMED(Student), 2022
Taşal E., INFRARED SPEKTROSKOPİSİ İLE BAZI MOLEKÜLLERİN İNCELENMESİ, Postgraduate, S.CAN(Student), 2022
Taşal E., 1-(p-methoxyphenyl)-3-(m-methylphenyl)-5-phenylformazansmolekülünün bazı spektroskopik özelliklerinin incelenmesi, Postgraduate, M.AZAKI(Student), 2021
Taşal E., Atmosferik Basınç Plazma Jet ile Bazı Formazan Moleküllerinin Yapısının Belirlenmesi, Postgraduate, R.BÜLENT(Student), 2021
Taşal E., 1-(p-ethylphenyl)-3-(m-methylphenyl)-5-phenylformazans molekülünün bazı spektroskopik özelliklerinin incelenmesi, Postgraduate, B.BAŞBUĞA(Student), 2021
Taşal E., 1-(p-tolil)-3-(o-hidroksifenil)-5-fenilformazan Molekülünün Yapısının İncelenmesi, Postgraduate, H.ÖZKAN(Student), 2021
Taşal E., PDTP-DFBT ve PC71BM organik güneş hücresi malzemelerinin moleküllerinin titreşimsel spektroskopik özelliklerinin incelenmesi, Postgraduate, O.AYDOĞAN(Student), 2019
TAŞAL E., 1-(o-tolyl)-3-(o-hidroksifenil)-5-fenilformazan molekülünün bazı spektroskopik özellikleri, Postgraduate, S.SAĞLAM(Student), 2019
TAŞAL E., C13H12N2O3 ve C12H10N2O2 moleküllerinin bazı spektroskopik özelliklerinin incelenmesi, Postgraduate, Ç.ARSLAN(Student), 2014
TAŞAL E., Laser spektroskopisi uygulamalarının incelenmesi, Postgraduate, M.KEMAL(Student), 2014
TAŞAL E., Bazı azo boyar maddelerin absorpsiyon spektroskopisinin deneysel ve teorik incelenmesi, Doctorate, Y.GÜLSEVEN(Student), 2010
TAŞAL E., Bazı azo boyar maddelerin ve benzo-tiyazolün türevlerinin spektroskopik özelliklerinin deneysel ve teorik incelenmesi, Doctorate, İ.SIDIR(Student), 2010
TAŞAL E., 7-asetoksi-6-(2,3-dibromopropil)-4,8-dimetilkumarin ve kumarin 481 moleküllerinin infrared titreşim spektroskopisi ve NMR çalışmaları, Doctorate, M.KUMALAR(Student), 2009
TAŞAL E., Matriks izole kumarin ve izomerik türevleri kumarin ve konjuge ketenin yapısı, spektroskopik özellikleri ve fotokimyasal reaktivitesi üzerinde deneysel ve teorik çalışmalar, Doctorate, N.KUŞ(Student), 2007
TAŞAL E., Zaman ayarlı laser spektroskopisinin teorik incelenmesi, Postgraduate, H.TEOMAN(Student), 2005
TAŞAL E., Sanayide kullanılan lazerler ve uygulamaları, Postgraduate, M.KUMALAR(Student), 2004
TAŞAL E., Lazerlerin genel kuantum teorisi, Postgraduate, M.İLKER(Student), 2001
TAŞAL E., Diyod pompalı katı-hal lazerleri dizaynı ve parametreleri, Postgraduate, V.ŞİRİNLER(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- Molecular Interactions on Ethylenediaminetetraacetic Acid After Mixing With Sodium Hypochlorite**
Orhan E. O., Irmak O., Taşal E., Tanisli M.
IEEE TRANSACTIONS ON PLASMA SCIENCE, vol.50, no.6, pp.1859-1866, 2022 (SCI-Expanded)

- II. **Molecule decomposition via plasma jet at atmospheric pressure**
TANIŞLI M., TAŞAL E., Sahin N., DİKMEN G.
JOURNAL OF MOLECULAR LIQUIDS, vol.277, pp.912-920, 2019 (SCI-Expanded)
- III. **Decomposition of 2-((2-methoxyphenyl) diazenyl) benzene-1,3,5-triol molecule by an argon plasma jet**
Tanisli M., TAŞAL E.
PHYSICS OF PLASMAS, vol.25, no.5, 2018 (SCI-Expanded)
- IV. **An investigation onto the molecular structure of 5-chloro-3-(2-(4-ethylpiperazine-1-yl)-2-oxoethyl)benzo[d]thiazole-2(3H)-on drug molecule before and after atmospheric pressure plasma treatment**
Tanisli M., TAŞAL E., ŞAHİN N., DİKMEN G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1159, pp.135-146, 2018 (SCI-Expanded)
- V. **6-(2-Fluorobenzoyl)-3-(2-(4-(4-fluorophenyl)piperazin-1-yl)-2-oxoethyl)benzo[d]thiazol-2(3H)-one drug molecule structure and its interaction with atmospheric pressure plasma jet**
Tanisli M., TAŞAL E., ŞAHİN N., Arslan C.
JOURNAL OF MOLECULAR LIQUIDS, vol.240, pp.733-751, 2017 (SCI-Expanded)
- VI. **Interactions of 5-chloro-3-(2-(4-methylpiperazine-1-yl)-2-oxoethyl) benzo[d]thiazole-2 (3H) - on drug molecule with Ar/H-2 and Ne/H-2 mixture plasmas at atmospheric-pressure**
Tanisli M., TAŞAL E.
JOURNAL OF MOLECULAR LIQUIDS, vol.238, pp.478-484, 2017 (SCI-Expanded)
- VII. **Effect of Atmospheric-Pressure Plasma Jet of Neon on 7-Acetoxy-6-(2,3-Dibromopropyl)-4,8-Dimethylcoumarin Molecule**
Tanisli M., TAŞAL E.
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, vol.86, no.6, 2017 (SCI-Expanded)
- VIII. **Effects of Neon and Argon Atmospheric-Pressure Plasma Jets on Coumarin Dissolved in Solvents**
Tanisli M., TAŞAL E.
IEEE TRANSACTIONS ON PLASMA SCIENCE, vol.45, no.4, pp.761-767, 2017 (SCI-Expanded)
- IX. **Atmospheric pressure plasma treatment study for 2-((4-Hydroxyphenyl)Diazenil)Benzene-1,3,5-Triol molecule**
Tanisli M., TAŞAL E., PAT S.
JOURNAL OF MOLECULAR LIQUIDS, vol.222, pp.1128-1138, 2016 (SCI-Expanded)
- X. **A comparison for application time of electrical discharge onto 3-acetamidocoumarin molecule**
TAŞAL E., Tanisli M.
JOURNAL OF MOLECULAR LIQUIDS, vol.221, pp.763-767, 2016 (SCI-Expanded)
- XI. **Study in the Solvent Polarity Effects on Solvatochromic Behaviour of Pomiferin**
TAŞAL E., GÜNGÖR T., GÜNGÖR E.
Journal Of Physical Chemistry C, vol.6, no.2, pp.33-38, 2016 (SCI-Expanded)
- XII. **FT-IR, HF and DFT structural, vibrational analysis of 5-chloro-3-(2-(4-ethylpiperazin-1-yl)-2-oxoethyl)benzo[d]thiazol-2(3H)-one molecule**
TAŞAL E., Kumalar M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.124, pp.687-696, 2014 (SCI-Expanded)
- XIII. **A study on solvatochromism of some monoazo dye derivatives**
SIDIR İ., SIDIR Y. G., BERBER H., TAŞAL E.
JOURNAL OF MOLECULAR LIQUIDS, vol.178, pp.127-136, 2013 (SCI-Expanded)
- XIV. **Ab initio HF, DFT and experimental (FT-IR) investigation of vibrational spectroscopy of 3-(2-(4-isopropylpiperazin-1-yl)-2-oxoethyl)-6-(4-methoxybenzoyl)benzo[d]thiazol-2(3H)-one**
TAŞAL E., Kumalar M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.101, pp.204-217, 2013 (SCI-Expanded)
- XV. **Structure and vibrational spectra of 6-(4-fluorobenzoyl)-3-(2-(4-methylpiperazin-1-yl)-2-**

oxoethyl)benzo[d]thiazol-2(3H)-one molecule

TAŞAL E., Kumalar M.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.96, pp.548-562, 2012 (SCI-Expanded)

- XVI. **Ab initio Hartree-Fock and density functional theory investigations on the conformational stability, molecular structure and vibrational spectra of 5-chloro-3-(2-(4-methylpiperazin-1-yl)-2-oxoethyl)benzo[d]thiazol-2(3H)-one drug molecule**
TAŞAL E., Kumalar M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.95, pp.282-299, 2012 (SCI-Expanded)
- XVII. **A Theoretical Study on Electronic Structure and Structure-Activity Properties of Novel Drug Precursor 6-Acylbenzothiazolon Derivatives**
SIDIR Y. G., SIDIR İ., TAŞAL E., Ogretir C.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.111, no.14, pp.3616-3629, 2011 (SCI-Expanded)
- XVIII. **UV-spectral changes for some azo compounds in the presence of different solvents**
SIDIR Y. G., SIDIR İ., BERBER H., TAŞAL E.
JOURNAL OF MOLECULAR LIQUIDS, vol.162, no.3, pp.148-154, 2011 (SCI-Expanded)
- XIX. **Studies on the electronic absorption spectra of some monoazo derivatives**
SIDIR Y. G., SIDIR İ., TAŞAL E., Ermis E.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.78, no.2, pp.640-647, 2011 (SCI-Expanded)
- XX. **Spectroscopic Determination of Acid Dissociation Constants of Some Novel Drug Precursor 6-Acylbenzothiazolon Derivatives**
Sidir Y. G., Sidir I., BERBER H., TAŞAL E., Ogretir C.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.55, no.11, pp.4752-4756, 2010 (SCI-Expanded)
- XXI. **Ab initio Hartree-Fock and density functional theory investigations on the conformational stability, molecular structure and vibrational spectra of 3-(2-(4-methylpiperazin-1-yl)-2-oxoethyl)benzo[d]thiazol-2(3H)-one**
Sidir I., Sidir Y. G., TAŞAL E., Ogretir C.
JOURNAL OF MOLECULAR STRUCTURE, vol.980, pp.230-244, 2010 (SCI-Expanded)
- XXII. **Ab initio Hartree-Fock and density functional theory investigations on the conformational stability, molecular structure and vibrational spectra of 7-acetoxy-6-(2,3-dibromopropyl)-4,8-dimethylcoumarin molecule**
Sidir I., Sidir Y. G., Kumalar M., TAŞAL E.
JOURNAL OF MOLECULAR STRUCTURE, vol.964, pp.134-151, 2010 (SCI-Expanded)
- XXIII. **Quantum chemical studies on tautomerism and basicity behavior of some 1,2,4-triazole derivatives**
Ogretir C., Sidir Y. G., SIDIR İ., TAŞAL E.
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.6, pp.977-988, 2010 (SCI-Expanded)
- XXIV. **Studies on solvatochromic behavior of some monoazo derivatives using electronic absorption spectra**
Sidir I., TAŞAL E., Gulseven Y., Gungor T., BERBER H., Ogretir C.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.12, pp.5267-5273, 2009 (SCI-Expanded)
- XXV. **Solvatochromic effect studies on the absorption spectra of 4-((2-ethylphenyl)diazenyl)benzene-1,3,5-triol and 2-((2-ethylphenyl)diazenyl)benzene-1,3,5-triol molecules**
Gulseven Y., TAŞAL E., Sidir I., Gungor T., BERBER H., Ogretir C.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.12, pp.5255-5259, 2009 (SCI-Expanded)
- XXVI. **Experimental and density functional theory and ab initio Hartree-Fock study on the vibrational spectra of 5-chloro-6-(4-chlorobenzoyl)-2-benzothiazolinone molecule**
TAŞAL E., Sidir I., Gulseven Y., Ogretir C., ÖNKOL T.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.72, no.4, pp.801-810, 2009 (SCI-Expanded)

- XXVII. **Vibrational spectra and molecular structure of 3-(piperidine-1-yl-methyl)-1,3-benzoxazol-2(3H)-one molecule by density functional theory and Hartree-Fock calculations**
TAŞAL E., Sidir I., Gulseven Y., Oğretir C., ÖNKOL T.
JOURNAL OF MOLECULAR STRUCTURE, vol.923, pp.141-152, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Vibrational spectroscopy analysis of the precipitate form after mixing sodium hypochlorite and chlorhexidine: A potential clinical problem**
TAŞAL E., IRMAK Ö., ORHAN E. O.
Journal of Ege University School of Dentistry, vol.41, no.2, pp.71-76, 2020 (Peer-Reviewed Journal)
- II. **Sodyum hipoklorit ve klorheksidin karışımından sonra oluşan çökeltinin titreşim spektroskopisi ile analizi: Potansiyel bir klinik problem**
ORHAN E. O., IRMAK Ö., TAŞAL E.
Ege Üniversitesi Dış Hekimliği Fakültesi, vol.41, no.2, pp.71-76, 2020 (Peer-Reviewed Journal)
- III. **2-[(4-Hidroksifenil) diazenil]benzen-1,3,5-triol Molekülünün Titreşim Spektroskopisi ve Moleküler Yapısının Konformasyonel Kararlılığının ab initio Hartree-Fock ve Yoğunluk Fonksiyoneli Teorisi ile İncelenmesi**
TAŞAL E.
Sinop Üniversitesi Fen Bilimleri Dergisi, vol.3, no.1, pp.1-19, 2018 (Peer-Reviewed Journal)
- IV. **4-((2-methoxyphenyl) diazenyl)benzene-1,3-diol Molekülünün Bazı Spektroskopik Özelliklerinin İncelenmesi**
TAŞAL E.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.998-1006, 2018 (Peer-Reviewed Journal)
- V. **Doğal Zeolit Klinoptilolit le Ürenin İyon**
TAŞAL E.
Anadolu Üniversitesi Fen Edebiyat Fakültesi Dergisi, vol.4, no.1, pp.22-30, 1992 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **ATOM VE MOLEKÜL FİZİĞİ**
TAŞAL E.
ESOGU, Eskişehir, 2008

Refereed Congress / Symposium Publications in Proceedings

- I. **The Interaction of piperazine derived molecule with discharge at atmospheric conditions**
ŞAHİN N., TANIŞLI M., TAŞAL E., DİKMEN G.
ChemBioCon'xxxx18, 11 - 14 July 2018
- II. **The Interactions of piperazine-derived molecule with discharge at atmospheric conditions**
ŞAHİN N., TANIŞLI M., TAŞAL E., DİKMEN G.
International Chemistry Biology Conference'18, Sharm El Sheikh, Egypt, 11 - 14 July 2018
- III. **The Interaction of a molecule with atmospheric pressure plasma**
ŞAHİN N., TANIŞLI M., TAŞAL E.
International Chemistry Biology Conference'18, Sharm El Sheikh, Egypt, 11 - 14 July 2018
- IV. **Interaction of 2-((2-Methoxyphenyl) diazenyl)benzene-1,3,5-Triol Molecule and Atmospheric Pressure Argon Plasma Jet**

TANIŞLI M., TAŞAL E.

Turkish Physical Society 33rd International Physics Congress, Muğla-Bodrum, Turkey, 6 - 10 September 2017, pp.394

- V. **An Investigation For Effects of Neon and Argon Plasma Jets on Coumarin Molecule at Atmospheric Pressure**
TANIŞLI M., TAŞAL E.
TPS 33rd International Physics Congress, Muğla / Bodrum, Turkey, 6 - 10 September 2017, pp.384
- VI. **A Comparison for Atmospheric Pressure Plasma Treatment Effects onto Molecule Dissolved in Solvents**
TANIŞLI M., TAŞAL E.
ASTECH'xx2017, Malaga, Spain, 17 - 20 April 2017, pp.7
- VII. **Decomposition of Chemical Chain Molecules with Atmospheric Pressure Plasma**
TANIŞLI M., TAŞAL E.
Bulletin of the American Physical Society 58th Annual Meeting of the APS Division of Plasma Physics, San Jose, California, United States Of America, 31 - 04 October 2016
- VIII. **UV Spectra of Interaction of Electrical Discharge and Liquid-Molecule**
TAŞAL E., TANIŞLI M.
TFD 32, BODRUM, Turkey, 6 - 09 September 2016, vol.1, pp.70
- IX. **Characterization of Interaction between Atmospheric Pressure Plasma Jet and Liquid-Molecule**
TAŞAL E., TANIŞLI M.
tfd 32, muğla-bodrum, Turkey, 6 - 09 September 2016, vol.1, pp.69
- X. **An Investigation of Interaction for Electrical Discharge and Liquid Molecule**
TANIŞLI M., TAŞAL E.
Plasma in technology, biology and medicine, prag, Czech Republic, 20 May - 23 June 2016
- XI. **Raman Spectra of 7 acetoxy 6 2 3 dibromopropyl 4 8 dimethylcoumarin Molecule Under the Effect of Atmospheric Pressure Plasma Jet of Neon Ne**
TAŞAL E., TANIŞLI M.
COST TD1208 3th Annual meeting "Electrical discharges with liquids for future applications," Kocaeli, 13th-17th March 2016WG2 - Gas discharges interaction with liquids, Kocaeli, Turkey, 13 - 17 March 2016
- XII. **1 3 5 triphenylformazan Molekülünün Absorpsiyon Spektrumu Üzerine Çözücü Etkisinin Belirlenmesi**
TAŞAL E.
13. Ulusal Spektroskopi Kongresi, Turkey, 13 - 16 May 2013
- XIII. **1 o tolyl 3 o hydroxyphenyl 5 phenylformazans Molekülünün Absorpsiyon Spektrumu Üzerine Çözücü Etkisinin Belirlenmesi**
TAŞAL E.
13. Ulusal Spektroskopi Kongresi, Turkey, 13 - 16 May 2013
- XIV. **3 2 4 izopropilpiperazin 1 il 2 okzoetil 6 4 metoksibenzoil benzo d tiyazol 2 3H on molekülünün optik soğurma spektrumu üzerine çözücü etkisi**
TAŞAL E.
18. Yoğun Madde Fiziği -, Turkey, 25 November 2011
- XV. **Bazı azo boyar maddelerin elektronik absorpsiyon spektroskopisi üzerine substituent etkisi**
TAŞAL E.
12. Ulusal Spektroskopi Kongresi, Turkey, 18 - 28 May 2011
- XVI. **Bazı azo boyar moleküllerin yapı etki ilişkileri ve çözücü polaritesiyle indüklenmiş solvatokromik**
TAŞAL E.
12. Ulusal Spektroskopi Kongresi, Turkey, 18 - 22 May 2011
- XVII. **Quantum Chemical Studies on Tautomerisation and protonation behaviours of Some Novel Drug Precursor 6 Acylbenzothiazolon Derivatives**
TAŞAL E.
7th General Conference of the Balkan Physical Union, p 90, Greece, 9 - 13 September 2009
- XVIII. **E 4 PHENYLDİAZENİL BENZEN 1 3 DİOL MOLEKÜLÜNÜN TERMODİNAMİK VERİLERİ**

KONFORMASYONEL KARARLILIĞI VE BAZI MOLEKÜLER ÖZELLİKLERİ

TAŞAL E.

TFD-29 International Physics Conference, Turkey, 5 - 08 September 2012

- XIX. **7 DİETİLAMİNO 4 TRİFLUOROMETİL 2H 1 BENZOPİRAN 2 ON MOLEKÜLÜNÜN FT IR AB INITIO HF VE DFT MOLEKÜLER YAPI VE TİTREŞİM FREKANS ANALİZLERİ**

TAŞAL E.

TFD-29 International Physics Conference, Turkey, 5 - 08 September 2012

- XX. **7 dietilamino 4 trifluorometil 2H 1 benzopiran 2 on molekülünün Deneysel ve Teorik NMR Çalışmaları TFD**

TAŞAL E.

TFD-29 International Physics Conference, Turkey, 5 - 08 September 2012

- XXI. **4 4 HİDROKSİFENİL DİAZENİL BENZEN 1 3 DİOL MOLEKÜLÜNÜN KONFORMASYONEL VE MOLEKÜLER YAPISI**

TAŞAL E.

TFD-29 International Physics Conference, Turkey, 5 - 08 September 2012

- XXII. **7 ASETOKSİ 6 2 3 DİBROMOPROPİL 4 8 DİMETİLKUMARİN MOLEKÜLÜNÜN NMR SPEKTROSKOPİSİ İLE DENEYSEL VE TEORİK OLARAK İNCELENMESİ**

TAŞAL E.

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- XXIII. **4 4 HİDROKSİFENİL DİAZENİL BENZEN 1 3 DİOL MOLEKÜLÜNÜN FT IR SPEKTRUMU VE AB İNİTİO HF DFT HESAPLAMALARI**

TAŞAL E.

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- XXIV. **E 4 Phenyldiazenil benzen 1 3 diol molekülünün FT IR spektrumu ve ab initio HF DFT hesaplamaları**

TAŞAL E.

TFD-29 International Physics Conference, P, Turkey, 5 - 08 September 2012

- XXV. **4 2 Metoksifenil diazenil benzen 1 3 diol MOLEKÜLÜNÜN TERMODİNAMİK VERİLERİ KONFORMASYONEL KARARLILIĞI VE BAZI MOLEKÜLER ÖZELLİKLERİ**

TAŞAL E.

TFD-29 International Physics Conference, Turkey, 5 - 08 September 2012

- XXVI. **4 2 Metoksifenil diazenil benzen 1 3 diol molekül yapısının deneysel FT IR ve teorik HF DFT İncelemeleri**

TAŞAL E.

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- XXVII. **2 4 HİDROKSİFENİL DIAZENİL BENZEN 1 3 5 TRIOL MOLEKÜLÜNÜN FT IR AB INITIO HF VE DFT ÇALIŞMALARI**

TAŞAL E.

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- XXVIII. **Theoretical Studies on Infrared and Molecular Structure of N Substitued 6 Acylbenzothiazolon Derivatives**

TAŞAL E.

DFT09 13th International Conference on the Applications of Density Function Theory in Chemistry and Physics, France, 31 August - 04 September 2009

- XXIX. **Vibrational Spectra and Molecular Structure of N Substitued 6 Acylbenzothiazolon Derivatives A Combined DFT Ab initio HF and Experimentel Study DFT09**

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DFT09 13th International Conference on the Applications of Density Function Theory in Chemistry and Physics, France, 31 August - 04 September 2009

- XXX. **QSA P R Studies On Some Novel Drug Precursor 6 Acylbenzothiazolon Derivatives**

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DFT09 13th International Conference on the Applications of Density Function Theory in Chemistry and Physics,

France, 31 August - 04 September 2009

- XXXI. **Bazı Monoazo Moleküllerin Ultraviyole Soğurma Spektroskopisi ile Elektronik Geçişlerin İncelenmesi**
TAŞAL E.
11. Ulusal Spektroskopi Kongresi, Turkey, 23 - 26 June 2009, vol.11, pp.100
- XXXII. **6 benzoil 3 3 okzo 3 piperidin 1 il propil benzo d tiyazol 2 3H on Molekülünün İnfrared Spektrumunun Deneysel ve Teorik olarak İncelenmesi P111**
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- XXXIII. **6 benzoil 3 3 okzo 3 piperidin 1 il propil benzo d tiyazol 2 3H on Molekülünün İnfrared Spektrumunun Deneysel ve Teorik olarak İncelenmesi**
TAŞAL E.
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- XXXIV. **Studies On Solvatochromic Behavior Of Some Monoazo Derivatives Using Electronic Absorption Spectra**
TAŞAL E.
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- XXXV. **Solvatochromic Effect On The Absorption Spectra Of 4 2 Ethylphenyl Diazenyl Benzene 1 3 Diol And 2 2 Ethylphenyl Diazenyl Benzene 1 3 5 Triol**
TAŞAL E.
TFD-25 International Physics Conference, Turkey, 25 - 29 August 2008
- XXXVI. **Molecular Structure Infrared Spectra And Some Molecular Properties Of 5 Chloro 6 4 Chlorobenzoyl 2 Benzothiazolinone Spectra**
TAŞAL E.
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- XXXVII. **Computational Determination Of Acid Dissociation Constants Using First Principles Quantum Chemical Simulations**
TAŞAL E.
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TAŞAL E.
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- XXXIX. **Bazı Monoazo Benzen Moleküllerin Farklı Çözeltilerde Soğurma Spektroskopisinin İncelenmesi**
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- XL. **Computational Determination Of Acidity Constants Of Some 7 Acetoxycoumarin 3 Carboxylic Acid Derivatives**
TAŞAL E.
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TAŞAL E.
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- XLII. **Theoretical Studies On Molecular Structure And Some Molecular Properties Of 6 2 Fluorobenzoyl 3 2 4 4 Fluorophenyl Piperazin 1 Yl 2 Oxoethyl Benzo D Thiazol 2 3h One Molecule**
TAŞAL E.
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- XLIII. **Quantum Chemical Studies On Acidity Basicity Behaviours Of Some 1 2 4 Triazole Derivates**
TAŞAL E.
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- XLIV. **Quantum Chemical Studies On Tautomerism Of Some 1 2 4 Triazole Derivates**
TAŞAL E.

Chemical Physics Conference VIII, Turkey, 24 - 25 April 2008

- XLV. **Experimental And Theoretical Studies on ¹³C And ¹H NMR Spectra of 6-(2-fluorobenzoyl)-3,4,4-fluorophenyl piperazine-1-yl-2-oxoethyl benzothiazole-2,3-dione Molecule**
TAŞAL E.
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- XLVI. **Theoretical And Experimental Studies On Infrared Spectra Of The 5-Chloro-6-(4-chlorobenzoyl)-2-Benzothiazolinone Molecule**
TAŞAL E.
Chemical Physics Conference VIII, Turkey, 24 - 25 April 2008, pp.116
- XLVII. **Conformational Properties Molecular Structure And Some Molecular Properties Of The 5-Chloro-6-(4-chlorobenzoyl)-2-Benzothiazolinone Molecule**
TAŞAL E.
Chemical Physics Conference VIII, Turkey, 24 - 25 April 2008
- XLVIII. **Computational Determination Of Acidity Constant Of 6-Methyl-2-Pyridine Carboxaldehyde**
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Chemical Physics Conference VIII, Turkey, 24 - 25 April 2008
- XLIX. **Molecular Structures and Vibrational Frequencies of 7H-Furo[3,2-g]1-Benzopyran-7-one-2-methyl-1-benzoyloxy-1-methylethyl-2,3-dihydro by Ab Initio Hartree Fock and Density Functional Theory Calculations**
TAŞAL E.
8th Congress of Physical-Chemistry of the Portuguese Chemical Society, Portugal, 21 - 22 June 2007
- L. **A theoretical study on structure of 3-(1-aminoethylidene)-2-methoxy-2-oxo-2,3-dihydro-2,5-benzoxaphosphinin-4-one crystal**
TAŞAL E.
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- LI. **Theoretical Calculations of Vibrational Spectra of 1-(2,6-difluorobenzoyl)-2-oxo-3H-benzothiazolone-3-yl-acetyl-4,4-fluorophenyl piperazine**
TAŞAL E.
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- LII. **A Theoretical Investigation on ¹H and ¹³C NMR of 5-(2-oxo-3,7-dihydro-2H-furo[3,2-g]chromen-2-yl)propanoic acid methylbutanoate prantschimgin Molecule**
TAŞAL E.
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- LVIII. **The Theoretical Analysis of Electron Phonon Inter action and Relaxation and Density Matrix 8**
TAŞAL E.
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- LIX. **Matrix İsolation FTIR Spectroscopic and Theoretical Study of the photochemistry of Coumarin**
TAŞAL E.
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- LX. **The Theoretical Analysis of Derivation of the Density Matrix and Method of solution for a Three Level Atom İnteracting with Two Optical Radiation Fields**
TAŞAL E.
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- LXI. **Theoretical Infrared Spectroscopic Study of 1 Methyl 1 2 Oxofurano 4 5 G 2H Chromen 7yl EthylBenzoate 28 European Congress on Molecular Spectroscopy**
TAŞAL E.
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- LXII. **The Theoretical analysis of electron phonon interaction and relaxation and density matrix**
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- LXV. **Using Theoretical Calculations to Analyze The Crystal Structure of 3 1 Amino Ethylidene 2 Methoxy 2 oxo 2 3 dihydro 2 5 Benzo E 1 2 oxaphosphinin 4 one**
TAŞAL E.
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- LXVI. **A Theoretical Study on Crystal Structure of 3 1 Amino Ethylidene 2 Methoxy 2 oxo 2 3 dihydro 2 s Benzo E 1 2 oxaphosphinin 4 one**
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TAŞAL E.
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TAŞAL E.
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- LXIX. **he Teoritical Analysis of Collective Excitations for the semiconductor Bloch Equantions and Density Matrix and Hartree Fock Decoupling 01PB33**
TAŞAL E.
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- LXX. **Üç Enerji Seviyemsi Diyod Pompalı Katihal Laserlerinin Teorik Analizi**
TAŞAL E.
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