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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-5511-2018

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Education Information

Doctorate, Kocaeli University, Fen-Edebiyat Fakóltesi, Kimya Bölümü, Turkey 2002 - 2009

Postgraduate, Kocaeli University, Fen-Edebiyat Fakóltesi, Kimya Bölümü, Turkey 1998 - 2001

Undergraduate, Istanbul University, Mühendislik Fakóltesi, Kimya Mühendisliđi Bölümü, Turkey 1985 - 1989

Dissertations

Doctorate, Nitril oksit ve amidoksim kullanarak yeni hetero halkalı bileşiklerin sentezi, Kocaeli Üniversitesi, Fen-Edebiyat Fakóltesi, Kimya Bölümü, 2009

Postgraduate, Bazı N-substitue amidoksimlerin sentez ve reaksiyonları, Kocaeli Üniversitesi, Fen-Edebiyat Fakóltesi, Kimya Bölümü, 2001

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Kocaeli University, Fen Edebiyat Fakóltesi, Kimya, 2018 - Continues

Assistant Professor, Kocaeli University, Fen-Edebiyat Fakóltesi, Kimya Bölümü, 2016 - 2018

Courses

Genel Kimya I, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

1. 4-(4-methoxyphenyl)-6-methyl-3-phenyl-4H-1,2,4-oxadiazin-5(6H)- one: Synthesis, crystal structure, Hirshfeld surface analysis, noncovalent, ADMET studies and biological evaluation
EŐME A., KARA Y. S.

JOURNAL OF MOLECULAR STRUCTURE, vol.1282, 2023 (SCI-Expanded)

- II. **STRUCTURAL AND SPECTROSCOPIC CHARACTERIZATION OF 3-[4-(TRIFLUOROMETHYL)PHENYL]-3a,4,8,8a-TETRAHYDRO-6H-[1,3]DIOXEPINO[5,6-d][1,2]OXAZOLE COMPOUND: AN EXPERIMENTAL AND DENSITY FUNCTIONAL THEORY STUDY**
Gümüş H., Tekin N., Kara Y. S.
JOURNAL OF APPLIED SPECTROSCOPY (ENGLISH TRANSLATION OF ZHURNAL PRIKLADNOI SPEKTROSKOPII), vol.89, no.6, pp.1150-1157, 2023 (SCI-Expanded)
- III. **Structural and Spectroscopic Characterization of 3-[4-(Trifluoromethyl)Phenyl]-3a,4,8,8a-Tetrahydro-6H-[1,3] Dioxepino[5,6-d][1,2]Oxazole Compound: An Experimental and Density Functional Theory Study**
GÜMÜŞ H., TEKİN N., KARA Y. S.
JOURNAL OF APPLIED SPECTROSCOPY, vol.89, no.6, pp.1150-1157, 2023 (SCI-Expanded)
- IV. **Synthesis and substituent effect study on C-13 NMR chemical shifts of 4-(substitue-phenyl)-6-methyl-3-phenyl-4H-1,2,4-oxadiazin-5(6H)-one**
KARA Y. S., Yildiz B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1250, 2022 (SCI-Expanded)
- V. **The Crystal Structure, Spectral, and Density Functional Theory Studies of [3-(3-Bromophenyl)-cis-4,5-Dihydroisoxazole-4,5-Diyl]bis(Methylene)Diacetate**
KARA Y. S., EŞME A., Sagdinc S.
JOURNAL OF APPLIED SPECTROSCOPY, vol.88, no.3, pp.633-644, 2021 (SCI-Expanded)
- VI. **EXPERIMENTAL AND THEORETICAL STUDY OF THE SUBSTITUENT TYPE AND POSITION EFFECTS ON 3-(SUBSTITUTED PHENYL)-CIS-(4,5-DIHYDROISOXAZOLE-4,5-DIYL)BIS(METHYLENE)DIACETATE DERIVATIVES**
EŞME A., Sagdinc S., KARA Y. S.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.62, no.6, pp.865-875, 2021 (SCI-Expanded)
- VII. **Synthesis of 4-(4-ethyl-phenyl)-3-(4-methyl-phenyl)-1,2,4-oxadiazol-5(4H)-one and 4-(4-ethyl-phenyl)-3-(4-methyl-phenyl)-1,2,4-oxadiazole-5(4H)-thione and solvent effects on their infrared spectra in organic solvents**
KARA Y. S., ÜNSAL M., TEKİN N., EŞME A.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.251, 2021 (SCI-Expanded)
- VIII. **Dynamic and static fluorescence quenching on the inclusion complex formed by [3-(4-methylphenyl)-4,5-dihydro-1,2-oxazole-4,5-diyl] bis (methylene) diacetate and methyl-beta-cyclodextrin in aqueous media**
Ay Ü., Sarli S. E., KARA Y. S.
SPECTROSCOPY LETTERS, vol.53, no.9, pp.692-704, 2020 (SCI-Expanded)
- IX. **Substituent effect study on the experimental C-13 NMR chemical shifts of 3-(substituted phenyl)-3a,4,8,8a-tetrahydro-1,3-dioxepino[5,6-d] [1,2] isoxazoles**
KARA Y. S., Yalduz S.
JOURNAL OF MOLECULAR STRUCTURE, vol.1193, pp.158-165, 2019 (SCI-Expanded)
- X. **Substituent effect study on experimental C-13 NMR chemical shifts of (3-(substituted phenyl)-cis-4,5-dihydroisoxazole-4,5-diyl)-bis(methylene)diacetate derivatives**
Kara Y. S.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.151, pp.723-730, 2015 (SCI-Expanded)
- XI. **C-13 NMR substituent-induced chemical shifts in 4-(substituted phenyl)-3-phenyl-1,2,4-oxadiazol-5(4H)-ones (thiones)**
Kara Y. S.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.149, pp.920-927, 2015 (SCI-Expanded)
- XII. **Density functional theory studies on the corrosion inhibition of benzoin, benzil, benzoin-(4-**

phenylthiosemicarbazone) and benzil-(4-phenylthiosemicarbazone) of mild steel in hydrochloric acid

Kayadibi F., Sagdinc S., Kara Y. S.

PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.51, pp.143-154, 2015 (SCI-Expanded)

- XIII. **Theoretical study of 11-thiocyanatoundecanoic acid phenylamide derivatives on corrosion inhibition efficiencies**
Sagdinc S., Kara Y. S., Kayadibi F.
CANADIAN JOURNAL OF CHEMISTRY, vol.92, pp.876-887, 2014 (SCI-Expanded)
- XIV. **Theoretical elucidation on corrosion inhibition efficiency of 11-cyano undecanoic acid phenylamide derivatives: DFT study**
Sagdinc S., Kara Y. S.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.50, pp.111-116, 2014 (SCI-Expanded)
- XV. **Comparison of molecular structures with DFT and HF of isoxazoline and isoxazolidine**
KARA Y. S., Sagdinc S.
Asian Journal of Chemistry, vol.25, no.14, pp.7904-7910, 2013 (SCI-Expanded)
- XVI. **Experimental and theoretical investigations of 4 chloro N 2 methoxyphenyl benzamidoxime**
KARA Y. S., GÜNEŞDOĞDU SAĞDINÇ S., KARADAYI N.
Spectrochimica Acta Part A-Molecular And Biomolecular Spectroscopy, vol.110, pp.351-363, 2013 (SCI-Expanded)
- XVII. **Theoretical study on the relationship between the molecular structure and corrosion inhibition efficiency of long alkyl side chain acetamide and isoxazolidine derivatives**
KARA Y. S., Sagdinc S., EŞME A.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.48, no.6, pp.710-721, 2012 (SCI-Expanded)
- XVIII. **C-13 NMR study of substituent effects in 1,2,4-oxadiazole and 1,2,4-thiadiazole derivatives**
Agirbas H., Kara Y. S.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.179, no.7, pp.1435-1443, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **TDOS/PDOS/OPDOS, reduced density gradient (RDG) and molecular docking studies of [3-(3-bromophenyl)-cis-4,5-dihydroisoxazole-4,5- diyl]bis(methylene) diacetate**
Saniye Kara Y. S., Eşme A., Güneşdoğdu Sağdınç S.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.1, pp.100-110, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Substituent Effect Study on 1,2,4-Thiadiazole Ring with Theoretical ¹³CNMR Chemical Shifts Using DSP Correlation Method**
Kara Y. S., Tekin N.
6 th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Antalya, Turkey, 2 November - 05 December 2023, pp.99
- II. **Characterization of Solvent Effects on P=O Stretching Vibrations of Trimethyl Phosphate by Multiparametric Methods**
Tekin N., Kara Y. S.
6 th INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES, Antalya, Turkey, 2 - 05 November 2023, pp.98
- III. **INVESTIGATION OF SUBSTITUENT EFFECTS IN 1,2,4-OXADIAZINE DERIVATIVES**
Dıran D., Kara Y. S.

International Marmara Sciences Congress, Kocaeli, Turkey, 9 - 10 June 2023, pp.91-96

- IV. **SUBSTITUENT EFFECT STUDY WITH THEORETICAL ¹³C-NMR CHEMICAL SHIFTS (SCS) ON THE 1,2,4-THIADIAZOLE RING**
Kara Y. S.
International Marmara Sciences Congress, Kocaeli, Turkey, 9 - 10 June 2023, pp.113-117
- V. **4-(SÜBSTİTÜE-FENİL)-6-METİL-3-FENİL-4H-1,2,4-OKSADİAZİN-5(6H)-ON BİLEŞİKLERİNİN ¹³C NMR KİMYASAL KAYMA DEĞERLERİ ÜZERİNDE SÜBSTİTÜENT ETKİ ÇALIŞMASI**
Kara Y. S., Yıldız B.
International Antalya Science Research and Innovative Studies Congress, Antalya, Turkey, 18 - 21 December 2021, pp.387-388
- VI. **6-METİL-3,4-DİFENİL-4H-1,2,4-OKSADİAZİN-5(6H)-ON BİLEŞİĞİNİN SENTEZİ VE YAPISINI AYDINLATILMASI**
Yıldız B., Kara Y. S.
International Antalya Scientific Research and Innovative Studied Congree, Antalya, Turkey, 18 - 21 December 2021, pp.389-390
- VII. **4-(4-etil-fenil)-3-(4-metil-fenil)-1,2,4-oksadiazol-5(4H)-on ve 4-(4-etil-fenil)-3-(4-metil-fenil)-1,2,4-oksadiazol-5(4H)-tiyon' un C=O/C=N ve C=S/C=N Gerilme Titreşimlerine Çözücü Etkilerinin Araştırılması**
Ünsal M., Kara Y. S., Tekin N.
International Marmara Sciences Congress (Spring 2020), Kocaeli, Turkey, 19 - 20 June 2020, pp.93-94
- VIII. **Novel Phthalocyanines Bearing N,N- \rightarrow Bis(propyleneoxy)aniline Moieties: Synthesis and Characterization)**
KARA Y. S., BİLGİN A., YAĞCI Ç.
International Science and Technology Conference (ISTEC 2018, Paris, France, 18 - 20 July 2018
- IX. **Nitril Oksidin 4,7-dihidro-2H-1,3-dioksepin Bileşiğine 1,3 Dipolar Siklokatılma Reaksiyonunun İncelenmesi**
Yalduz S., Kara Y. S.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018
- X. **Substituent effect study on experimental ¹³C NMR chemical shifts of 3-(substituted phenyl)-3a,4,8,8a-tetrahydro-[1,3]dioxepino[5,6-d] [1,2] isoxazole derivatives**
KARA Y. S.
International Science and Technology Conference (ISTEC 2018), Paris, France, 18 - 20 July 2018
- XI. **SSP DSP DSP NLR analyses on ¹³C NMR chemical shifts of 1 2 4 oxadiazole derivatives**
KARA Y. S.
Uluslararası Trans Mediterranean Colloquium on Heterocyclic Chemistry, 11 - 15 November 2015
- XII. **SSP DSP analyses on ¹³C NMR chemical shifts on diacetate derivatives**
KARA Y. S.
Uluslararası Trans Mediterranean Colloquium on Heterocyclic Chemistry, 11 - 15 November 2015
- XIII. **4 Sübstitüe fenil 3 fenil 1 2 4 oksadiazol 5 on ve 5 tiyon Bileşiklerinde Sübstitüent Etkinin SSP Analizi Yöntemiyle İncelenmesi**
KARA Y. S.
27.Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XIV. **3 Sübstitüe fenil cis 4 5 dihidroisoksazol 4 5 il bis metilen diasetat Bileşiklerinin Sentezi Yapılarının Aydınlatılması**
KARA Y. S.
27.Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XV. **4 Kloro N 2 metoksifenil benzamidoksim in Sentezi ve Moleküler Yapısının İncelenmesi**
KARA Y. S., GÜNEŞDOĞDU SAĞDINÇ S., KARADAYI N.
26.Ulusal Kimya Kongresi, Turkey, 1 - 06 October 2012
- XVI. **Density functional theory studies on the corrosion inhibition of benzoin benzil benzoin 4**

phenylthiosemicarbazone and benzil 4 phenylthiosemicarbazone of mild steel in hydrochloric acid

KAYADİBİ F., GÜNEŞDOĞDU SAĞDINÇ S., KARA Y. S.

The European Corrosion Congress, 9 - 13 September 2012

XVII. **The FT IR 1H NMR and 13C NMR spectra studies on 4 chloro N 2 methoxyphenyl benzamidoxime**

GÜNEŞDOĞDU SAĞDINÇ S., KARADAYI N., KARA Y. S.

Türk Fizik Derneği 29.Uluslararası Fizik Kongresi, 5 - 08 September 2012

XVIII. **THE DFT STUDY OF THE MOLECULAR PROPERTIES 11 THIOCYANATO UNDECANOIC ACID PHENYLAMIDE DERIVATIVES ON CORROSION INHIBITION EFFICIENCIES**

GÜNEŞDOĞDU SAĞDINÇ S., KARA Y. S.

Türk Fizik Derneği 28.Uluslararası Fizik Kongresi, 6 - 09 September 2011

XIX. **THEORETICAL ELUCATION ON CORROSION INHIBITION EFFICIENCY OF 11 CYNA UNDECANOIC ACID PHENYLAMIDE DERIVATIVES A DFT STUDY**

GÜNEŞDOĞDU SAĞDINÇ S., KARA Y. S.

Türk Fizik Derneği 28.Uluslararası Fizik Kongresi, 6 - 09 September 2011

XX. **QUANTUM CHEMICAL STUDIES ON THE CORROSION INHIBITION OF ISOXAZOLINE DERIVATIVES**

KARA Y. S., GÜNEŞDOĞDU SAĞDINÇ S.

25.Ulusal Kimya Kongresi, Turkey, 27 June - 02 July 2011

XXI. **3 Sübstitüe fenil 4 m tolil 1 2 4 oksadiazol 5 on ve 5 tiyon Bileşiklerindeki C N C O ve C S Gruplarının13C NMR Kimyasal Kaymalarına Sübstitüent Etkisinin İncelenmesi**

AĞIRBAŞ H., KARA Y. S.

24.Ulusal Kimya Kongresi, Turkey, 27 June - 02 July 2010

Supported Projects

MERT O., KARAYÜNLÜ BOZBAŞ S., KARA Y. S., ÖZKAZANÇ H., Project Supported by Higher Education Institutions, Polimer ve Malzeme Ar Ge Laboratuvarı, 2020 - 2020

KARA Y. S., YALDUZ S., Project Supported by Higher Education Institutions, 4,7-DİHİDRO-2H-1,3-DİOKSEPİN BİLEŞİĞİNE NİTRİL OKSİDİN SİKLO KATILMA REAKSİYONUN İNCELENMESİ VE ELDE EDİLECEK ÜRÜNLERİN YAPILARININ AYDINLATILMASI, 2018 - 2018

KARA Y. S., Project Supported by Higher Education Institutions, 3-(4-BROMOFENİL)-4,5-DİHİDROİSOXSAZOL-4,5-İL)-BİS(METİLEN) DİASETAT BİLEŞİĞİNİN X-RAY ÇALIŞMASI, 2016 - 2017

KARA Y. S., Project Supported by Higher Education Institutions, 4-(sübstitüefenil)-3-fenil-1,2,4-okzadiazol-5-on ve 4-(sübstitüefenil)-3-fenil-1,2,4-okzadiazol-5-tiyon türevlerinin 13 C NMR kimyasal kaymaları üzerinde sübstitüent etkinin deneysel ve teorik olarak incelenmesi, 2014 - 2016

KARA Y. S., Project Supported by Higher Education Institutions, {4-[(asetiloksi)metil]-3-sübstitüefenil-4,5-dihidroizoksazol-5-il}metil asetat türevlerinin 13 C NMR kimyasal kaymaları üzerinde sübstitüent etkinin deneysel ve teorik olarak incelenmesi, 2013 - 2015

KARA Y. S., Project Supported by Higher Education Institutions, 3-(4-KLOROFENİL) 4-(2-METOKSİFENİL)-1,2,4-OKSADİAZOL-5(4H)-ON BİLEŞİĞİNİN KRİSTAL YAPISININ DENEYSEL OLARAK İNCELENMESİ, 2014 - 2014

KARA Y. S., Project Supported by Higher Education Institutions, N-Hidroksi-N-(4-Metoksifenil) Benzimidamid ve Metal Komplekslerinin Teorik ve Deneysel Olarak Yapılarının İncelenmesi, 2011 - 2013

Metrics

Publication: 40

Citation (WoS): 94

Citation (Scopus): 106

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H-Index (Scopus): 7