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Öğrenim Bilgisi

Doktora

2004 - 2008

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye

Yüksek Lisans

1999 - 2003

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye

Lisans

1994 - 1998

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Sinir sinyal iletimini sağlayan bazı moleküllerin yapısal özelliklerinin ve etkinliklerinin moleküler orbital yöntemleriyle incelenmesi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2008

Yüksek Lisans, Spektroskopik verilerden yararlanarak termodynamik büyüklüklerin hesaplanması, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2003

Akademik Unvanlar / Görevler

Doç.Dr.

2019 - Devam Ediyor

Sivas Cumhuriyet Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü

Dr.Öğr.Üyesi

2010 - Devam Ediyor

Sivas Cumhuriyet Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü

Araştırma Görevlisi

2001 - 2010

Sivas Cumhuriyet Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü

Desteklenen Projeler

1. Şahin Bölükbaşı S., Serdaroglu G., Şahin N., Yükseköğretim Kurumları Destekli Proje, Ag-NHC komplekslerinin sentezi, spektroskopik karakterizasyonu ve antitümör davranışlarının deneyel ve kuantum kimyasal hesaplama yöntemleri ile incelenmesi,, 2019 - 2021
2. Serdaroglu G., Yükseköğretim Kurumları Destekli Proje, Dasikarpidon türevi bileşiklerin yapısal, elektronik, spektroskopik ve optik özelliklerinin moleküller orbital yöntemlerle incelenmesi, 2019 - 2020
3. SERDAROĞLU G., Yükseköğretim Kurumları Destekli Proje, 1,5-Metanoazosino[4,3-b] indollerin sentezinde kullanılan bileşiklerin elektronik ve optik özelliklerinin kuantum kimyasal yöntemlerle incelenmesi, 2018 - 2018
4. SERDAROĞLU G., Yükseköğretim Kurumları Destekli Proje, 1, 3- disübstítute- 9H-pyrido[3,4-b] indollerin kimyasal aktiviteleri üzerine sübstituent etkisinin Hesaplamalı Kimya ile incelenmesi, 2017 - 2018
5. ELİK M., SERDAROĞLU G., Yükseköğretim Kurumları Destekli Proje, Beta Karbonil Bileşiklerinin Antitümör Özellikleri Üzerine Hesaplamalı Kimya Çalışması, 2016 - 2017
6. SERDAROĞLU G., Yükseköğretim Kurumları Destekli Proje, Antiepileptik ilaç moleküllerinin etkinliklerinin açıklanmasında Elektron Propegator Teorinin EPT kullanılması üzerine hesaplamalı Calisma, 2013 - 2014
7. SERDAROĞLU G., Yükseköğretim Kurumları Destekli Proje, Sinir Sinyal İletimini Sağlayan Bazı Moleküllerin Yapısal Özelliklerinin Ve Etkinliklerinin Moleküller Orbital Yöntemleriyle İncelenmesi, 2006 - 2008

Ödüller

1. Serdaroglu G., Kaya S., EN İYİ SÖZLÜ SUNUM ÖDÜLÜ, Abdelmalek Essaadi University, Aralık 2020
2. Serdaroglu G., EN İYİ POSTER ÖDÜLÜ, International Conference On Physical Chemistry And Functional Materials, Royal Society Of Chemistry, Temmuz 2018
3. Serdaroglu G., POSTER ÖDÜLÜ, 9Th Global Chemistry Congress, Haziran 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Green synthesis, characterization, anti-cancer and antimicrobial activity of AuNPs extracted from Euphorbia antiquorum stem and flower: Experimental and theoretical calculations**
Venkatesh G., SERDAROĞLU G., Üstün E., Haripriya D., Vennila P., Siva V., Haseena S., Sowmiya V., Pradhiksha A. Journal of Drug Delivery Science and Technology, cilt.95, 2024 (SCI-Expanded)
2. **Green Synthesis of Pyrrole Derivatives Catalyzed by Molecular Sieves: DFT, ADMT, and Molecular Docking Investigations**
SERDAROĞLU G., Uludağ N., Üstün E. ChemistrySelect, cilt.9, sa.9, 2024 (SCI-Expanded)
3. **Advancing Pyrrole Synthesis through DDQ Catalysis: A Comprehensive Research Incorporating DFT, ADMT, and Molecular Docking Analysis**
SERDAROĞLU G., Uludağ N., Üstün E. ChemistrySelect, cilt.9, sa.2, 2024 (SCI-Expanded)
4. **An efficient new method of ytterbium(III) triflate catalysis approach to the synthesis of substituted pyrroles: DFT, ADMET, and molecular docking investigations**
SERDAROĞLU G., Uludag N., Üstün E. Computational Biology and Chemistry, cilt.106, 2023 (SCI-Expanded)
5. **Molecular modeling study on the water-electrode surface interaction in hydrovoltaic energy**
SERDAROĞLU G., KARİPER İ. A., Kariper S. E. B. Scientific reports, cilt.13, sa.1, ss.12803, 2023 (SCI-Expanded)
6. **A novel series of tetrahydrothieno[2,3-c]pyridin-2-yl derivatives: fluorescence spectroscopy and BSA binding, ADMET properties, molecular docking, and DFT studies**
SERDAROĞLU G., Uludag N., Üstün E., Colak N. New Journal of Chemistry, cilt.47, sa.25, ss.11945-11963, 2023 (SCI-Expanded)
7. **Physicochemical properties, drug likeness, ADMET, DFT studies, and in vitro antioxidant activity of**

oxindole derivatives

Ahmad I., Khan H., SERDAROĞLU G.

Computational Biology and Chemistry, cilt.104, 2023 (SCI-Expanded)

8. **Copper(II) chelates derived from an N,N,O-tridentate 2-pyridinecarboxaldehyde-N4-phenylsemicarbazone: Synthesis, spectral aspects, crystal structure, FMO and NBO analysis**
Sithambaresan M., Kurup M. R. P., SERDAROĞLU G., KAYA S.
Journal of Molecular Structure, cilt.1277, 2023 (SCI-Expanded)
9. **Efficient synthesis of chromeno[2,3-b]pyridine derivatives using Zn(OTf)2 as a catalyst: DFT computations, molecular docking and ADME studies**
SERDAROĞLU G., Uludag N., Üstün E.
Journal of Molecular Liquids, cilt.375, 2023 (SCI-Expanded)
10. **Substituted naphthoxy-phthalonitrile derivatives: Synthesis, substituent effects, DFT, TD-DFT Calculations, antimicrobial properties and DNA interaction studies**
Erdoğan M., Başkan C., SERDAROĞLU G.
Computational Biology and Chemistry, cilt.102, 2023 (SCI-Expanded)
11. **Nitrobenzamido substitution on thiophene-3-carboxylate: Electrochemical investigation, antioxidant activity, molecular docking, DFT calculations**
SERDAROĞLU G., Uludag N., Colak N., Rajkumar P.
Journal of Molecular Structure, cilt.1271, 2023 (SCI-Expanded)
12. **Spectroscopic, crystal structure and DFT-assisted studies of some nickel(II) chelates of a heterocyclic-based NNO donor aroylhydrazone: in vitro DNA binding and docking studies**
Nair Y., Joy F., Vinod T., Vineetha M., Kurup M. R. P., KAYA S., SERDAROĞLU G., ERKAN S.
Molecular Diversity, 2023 (SCI-Expanded)
13. **Strychnos alkaloids: total synthesis, characterization, DFT investigations, and molecular docking with AChE, BuChE, and HSA**
Uludag N., Üstün E., SERDAROĞLU G.
Heliyon, cilt.8, sa.12, 2022 (SCI-Expanded)
14. **Mathematical modeling studies for the adsorptive removal of ciprofloxacin drug from water samples using functionalized silica resin**
Junejo R., Jalbani N. S., KAYA S., SERDAROĞLU G., ELİK M.
CHEMICAL PAPERS, cilt.76, sa.6, ss.3413-3423, 2022 (SCI-Expanded)
15. **Synthesis of thiophene derivatives: Substituent effect, antioxidant activity, cyclic voltammetry, molecular docking, DFT, and TD-DFT calculations**
ULUDAĞ N., SERDAROĞLU G., Sugumar P., Rajkumar P., ÇOLAK N., Ercag E.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1257, 2022 (SCI-Expanded)
16. **Spectral, thermal and DFT studies of novel nickel(II) complexes of 2-benzoylpypyridine-N-4-methyl-3-thiosemicarbazone: Crystal structure of a square planar azido-nickel(II) complex**
Jayakumar K., Seena E. B., Kurup M. R. P., Kayac S., SERDAROĞLU G., Suresh E., Marzouki R.
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17. **Cyanomethylation of 2,3,4,9-tetrahydro-1H-carbazol-1-one based on using two different reagents: Antioxidant activity and DFT studies**
SERDAROĞLU G., ULUDAĞ N., Ercag E.
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18. **Experimental and DFT Modeling Studies for the Adsorptive Removal of Reactive Dyes from Wastewater**
Junejo R., Shams Jalbani N., KAYA S., SERDAROĞLU G., ŞİMŞEK S., Memon S.
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19. **Corrosion inhibition of steel using different families of organic compounds: Past and present progress**
Aslam R., SERDAROĞLU G., Zehra S., Verma D. K., Aslam J., Guo L., Verma C., Ebenso E. E., Quraishi M. A.
JOURNAL OF MOLECULAR LIQUIDS, cilt.348, 2022 (SCI-Expanded)

20. **Equilibrium, thermodynamic, and kinetic modeling studies for the adsorptive removal of oxyanions from water**
Junejo R., Shams Jalbani N., KAYA S., SERDAROĞLU G., ELİK M., Memon S.
SEPARATION SCIENCE AND TECHNOLOGY, cilt.57, sa.12, ss.1884-1899, 2022 (SCI-Expanded)
21. **Synthesis, characterization, biological and DFT studies of charge-transfer complexes of antihyperlipidemic drug atorvastatin calcium with Iodine, Chloranil, and DDQ**
Niranjani S., Nirmala C. B., Rajkumar P., SERDAROĞLU G., Jayaprakash N., Venkatachalam K.
JOURNAL OF MOLECULAR LIQUIDS, cilt.346, 2022 (SCI-Expanded)
22. **Novel Ag(I)-NHC complex: synthesis, in vitro cytotoxic activity, molecular docking, and quantum chemical studies**
SERDAROĞLU G., ŞAHİN N., ŞAHİN BÖLÜKBAŞI S., ÜSTÜN E.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, cilt.77, sa.1-2, ss.21-36, 2022 (SCI-Expanded)
23. **Conformational Analysis, Spectroscopic Insights, Chemical Descriptors, ELF, LOL and Molecular Docking Studies of Potential Pyrimidine Derivative with Biological Activities**
Mary Y. S., Mary Y. S., SERDAROĞLU G., KAYA S., Sarojini B. K., Umamahesvari H., Mohan B. J.
POLYCYCLIC AROMATIC COMPOUNDS, cilt.42, sa.8, ss.5160-5170, 2022 (SCI-Expanded)
24. **DFT computational study of trihalogenated aniline derivative's adsorption onto graphene/fullerene/fullerene-like nanocages, X₁₂Y₁₂ (X = Al, B, and Y = N, P)**
Al-Otaibi J. S., Mary Y. S., Mary Y. S., Kaya S., Serdaroglu G.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.40, sa.19, ss.8630-8643, 2022 (SCI-Expanded)
25. **An efficient studies on C-2 cyanomethylation of the indole synthesis: The electronic and spectroscopic characterization (FT-IR, NMR, UV-Vis), antioxidant activity, and theoretical calculations**
ULUDAĞ N., SERDAROĞLU G.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1247, 2022 (SCI-Expanded)
26. **Synthesis, crystal structure, Hirshfeld surface analysis and DFT calculations of 2, 2, 2-tribromo-1-(3,5-dibromo-2-hydroxyphenyl)ethanone**
Brahmia A., Bejaoui L., Rolicek J., Hassen R., SERDAROĞLU G., KAYA S.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1248, 2022 (SCI-Expanded)
27. **Spectral studies and quantum chemical ab initio calculations for Copper(II) complexes of two heterocyclic arylhydrazones**
Sheeja S. R., Mangalam N. A., Sithambaresan M., Kurup M. R. P., Kaya S., Serdaroglu G.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1245, 2021 (SCI-Expanded)
28. **Performance of curing epoxy resin as potential anticorrosive coating for carbon steel in 3.5% NaCl medium: Combining experimental and computational approaches**
Hsisou R., Benhiba F., Echihi S., Benzidia B., Cherrouf S., Haldhar R., Alvi P. A., KAYA S., SERDAROĞLU G., Zarrouk A.
CHEMICAL PHYSICS LETTERS, cilt.783, 2021 (SCI-Expanded)
29. **Synthesis, spectroscopic characterization, DFT calculations, and molecular docking studies of new unsymmetric bishydrazone derivatives**
Kaya Y., Erçag A., Serdaroglu G., Kaya S., Grillo I. B., Rocha G. B.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1244, 2021 (SCI-Expanded)
30. **Synthesis, identification, density functional and Hirshfeld surface studies of 2,2'-disulfanediylbis(tetrahydro-4H-cyclopenta[d][1,3,2]dioxaphosphole-2-sulfide)**
Mkadmh A. M., Safi Z. S., Elkhalidy A. A., Staples R. J., KAYA S., SERDAROĞLU G.
JOURNAL OF COMPUTATIONAL CHEMISTRY, cilt.42, sa.26, ss.1873-1884, 2021 (SCI-Expanded)
31. **Electrochemical investigations and theoretical studies of biocompatible niacin-modified carbon paste electrode interface for electrochemical sensing of folic acid**
Ganesh P., Kim S., Choi D., KAYA S., SERDAROĞLU G., Shimoga G., Shin E., Lee S.
JOURNAL OF ANALYTICAL SCIENCE AND TECHNOLOGY, cilt.12, sa.1, 2021 (SCI-Expanded)
32. **Structural, electronic, and spectroscopic study on 1,5-methanoazocino[4,3-b]indole synthesized by**

TFB-based route

SERDAROĞLU G., ULUDAĞ N.

CHEMICAL PAPERS, cilt.75, sa.9, ss.4549-4564, 2021 (SCI-Expanded)

33. **New Hybrid (E)-4-((pyren-1-ylmethylene)amino)-N-(thiazol-2-yl)benzenesulfonamide as a Potential Drug Candidate: Spectroscopy, TD-DFT, NBO, FMO, and MEP Studies****
Erdogan M., SERDAROĞLU G.
CHEMISTRYSELECT, cilt.6, sa.35, ss.9369-9381, 2021 (SCI-Expanded)
34. **Modeling the DFT structural and reactivity studies of a pyrimidine-6-carboxylate derivative with reference to its wavefunction-dependent, MD simulations and evaluation for potential antimicrobial activity**
Smitha M., Mary Y. S., Mary Y. S., SERDAROĞLU G., Chowdhury P., Rana M., Umamahesvari H., Sarojini B. K., Mohan B. J., Pavithran R.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1237, 2021 (SCI-Expanded)
35. **PEPPSI type complexes: Synthesis, x-ray structures, spectral studies, molecular docking and theoretical investigations**
SERDAROĞLU G., ŞAHİN N., ÜSTÜN E., Tahir M. N., Arıcı C., GÜRBÜZ N., ÖZDEMİR İ.
POLYHEDRON, cilt.204, 2021 (SCI-Expanded)
36. **Two empirical formulae for estimating standard entropy of inorganic ionic solids and a possible connection between two associated electronic structure principles**
KAYA S., Chattaraj P. K., SERDAROĞLU G.
POLYHEDRON, cilt.202, 2021 (SCI-Expanded)
37. **Zeolite/Cellulose Acetate (ZCA) in Blend Fiber for Adsorption of Erythromycin Residue From Pharmaceutical Wastewater: Experimental and Theoretical Study**
Jodeh S., Erman I., Hamed O., Massad Y., Hanbali G., Samhan S., Dagdag O., KAYA S., SERDAROĞLU G.
FRONTIERS IN CHEMISTRY, cilt.9, 2021 (SCI-Expanded)
38. **The composite microbeads of alginate, carrageenan, gelatin, and poly(lactic-co-glycolic acid): Synthesis, characterization and Density Functional Theory calculations**
Baybaş D., Serdaroglu G., Semerci B.
International Journal of Biological Macromolecules, cilt.181, ss.322-338, 2021 (SCI-Expanded)
39. **Adsorption of Eriochrome Black T on the chitin surface: Experimental study, DFT calculations and molecular dynamics simulation**
Boumya W., Khnifira M., Machrouhi A., Abdennouri M., Sadiq M., Achak M., SERDAROĞLU G., KAYA S., ŞİMŞEK S., Barka N.
Journal of Molecular Liquids, cilt.331, 2021 (SCI-Expanded)
40. **Carbazole derivatives: Synthesis, spectroscopic characterization, antioxidant activity, molecular docking study, and the quantum chemical calculations**
SERDAROĞLU G., ULUDAĞ N., Ercag E., Sugumar P., Rajkumar P.
JOURNAL OF MOLECULAR LIQUIDS, cilt.330, 2021 (SCI-Expanded)
41. **Hydroxy phenyl hydrazides and their role as corrosion impeding agent: A detail experimental and theoretical study**
Singh A. K., Chugh B., Singh M., Thakur S., Pani B., Guo L., KAYA S., SERDAROĞLU G.
JOURNAL OF MOLECULAR LIQUIDS, cilt.330, 2021 (SCI-Expanded)
42. **Synthesis, in vitro anticancer activities, and quantum chemical investigations on 1,3-bis-(2-methyl-2-propenyl)benzimidazolium chloride and its Ag(I) complex**
SERDAROĞLU G., ŞAHİN BÖLKÜBAŞI S., Barut-Celepçi D., Sevinçek R., ŞAHİN N., GÜRBÜZ N., ÖZDEMİR İ.
JOURNAL OF CHEMICAL RESEARCH, cilt.45, sa.5-6, ss.596-607, 2021 (SCI-Expanded)
43. **Conformational analysis and quantum descriptors of two bifonazole derivatives of immense anti-tuber potential by using vibrational spectroscopy and molecular docking studies**
Mary Y. S., Mary Y. S., SERDAROĞLU G., Sarojini B. K.
STRUCTURAL CHEMISTRY, cilt.32, sa.2, ss.859-867, 2021 (SCI-Expanded)
44. **Adsorption of adipic acid in Al/B-N/P nanocages: DFT investigations**

- Al-Otaibi J. S., Mary Y. S., Mary Y. S., SERDAROĞLU G.
JOURNAL OF MOLECULAR MODELING, cilt.27, sa.4, 2021 (SCI-Expanded)
45. A combined molecular dynamic simulation, DFT calculations, and experimental study of the eriochrome black T dye adsorption onto chitosan in aqueous solutions
Khnifira M., Boumya W., Abdennouri M., Sadiq M., Achak M., SERDAROĞLU G., KAYA S., ŞİMŞEK S., Barka N.
International Journal of Biological Macromolecules, cilt.166, ss.707-721, 2021 (SCI-Expanded)
46. Equilibrium, thermodynamic, and density functional theory modeling studies for the removal of dichromate ions from wastewater using calix[4]arene modified silica resin
Junejo R., Jalbani N. S., Memon S., KAYA S., ERKAN S., SERDAROĞLU G., Palabiyik I. M.
Journal of Chemical and Engineering Data, cilt.66, ss.379-388, 2021 (SCI-Expanded)
47. Synthesis, crystal structure, hirshfeld surface analysis, spectroscopic, biological and first-principles studies of novel aminocoumarins
Bejaoui L., Brahmia A., Marzouki R., Dusek M., Eigner V., SERDAROĞLU G., KAYA S., Bour M. E., Hassen R. B.
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48. Eco-friendly sodium gluconate and trisodium citrate inhibitors for low carbon steel in simulated cooling water system: Theoretical study and molecular dynamic simulations
SERDAROĞLU G., KAYA S., Touir R.
JOURNAL OF MOLECULAR LIQUIDS, cilt.319, 2020 (SCI-Expanded)
49. The electronic and spectroscopic investigation of (+/-)- Dasycarpidone
SERDAROĞLU G., Uludag N.
VIBRATIONAL SPECTROSCOPY, cilt.111, 2020 (SCI-Expanded)
50. Mixed ligand copper(II) chelates derived from an O, N, S- donor tridentate thiosemicarbazone: Synthesis, spectral aspects, FMO, and NBO analysis
Jacob J. M., Kurup M. R. P., Nisha K., SERDAROĞLU G., KAYA S.
POLYHEDRON, cilt.189, 2020 (SCI-Expanded)
51. Computational Study of 2,3-dihydrospiro[carbazole-1,2'-xx-[1,3]dithiolan]-4(9H)-one compound: Structure, FT-IR, NMR, NLO, and NBO Analyses
Serdaroğlu G., Uludağ N.
Journal Of The Indian Chemical Society, cilt.97, sa.10, ss.2026-2030, 2020 (SCI-Expanded)
52. Harmine derivatives: a comprehensive quantum chemical investigation of the structural, electronic (FMO, NBO, and MEP), and spectroscopic (FT-IR and UV-Vis) properties
SERDAROĞLU G.
RESEARCH ON CHEMICAL INTERMEDIATES, cilt.46, sa.1, ss.961-982, 2020 (SCI-Expanded)
53. Direct arylation of heteroarenes by PEPPSI-type palladium-NHC complexes and representative quantum chemical calculations for the compound which the structure was determined by X-ray crystallography
ŞAHİN N., SERDAROĞLU G., Dusunceli S. D., Tahir M. N., Arıcı C., ÖZDEMİR İ.
JOURNAL OF COORDINATION CHEMISTRY, cilt.72, ss.3258-3284, 2019 (SCI-Expanded)
54. The synthesis and spectroscopic characterization of (+)-demethoxyaspidospermine: Density functional theory calculations of the structural, electronic, and non-linear optic and spectroscopic properties
Serdaroglu G., Uludag N.
JOURNAL OF CHEMICAL RESEARCH, cilt.43, ss.531-541, 2019 (SCI-Expanded)
55. An efficient method for the azocino[4,3-b]indole framework of strychnos alkaloids: DFT investigations on the electronic and spectroscopic properties
Uludag N., SERDAROĞLU G., Colak N.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, cilt.96, sa.9, ss.1221-1226, 2019 (SCI-Expanded)
56. Spectroscopic (FT-IR, NMR) and Computational Investigation of 2-(2-Aminoethyl)-1,2,3,4,9-Tetrahydrocarbazole: NBO, NLO, FMO, MEP Analysis
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JOURNAL OF STRUCTURAL CHEMISTRY, cilt.60, sa.8, ss.1267-1284, 2019 (SCI-Expanded)

57. A DFT Investigation on the Structure, Spectroscopy (FT-IR and NMR), Donor-Acceptor Interactions and Non-Linear Optic Properties of (+/-)-1,2-Dehydroaspidospermidine
Uludag N., SERDAROĞLU G.
CHEMISTRYSELECT, cilt.4, sa.23, ss.6870-6878, 2019 (SCI-Expanded)
58. The synthesis and characterization of 1-(Allyl)-3-(2-methylbenzyl) benzimidazolium chloride: FT-IR, NMR, and DFT computational investigation
SERDAROĞLU G., ŞAHİN N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1178, ss.212-221, 2019 (SCI-Expanded)
59. Concise total synthesis of (+/-)-aspidospermidine and computational study: FT-IR, NMR, NBO, NLO, FMO, MEP diagrams
SERDAROĞLU G., ULUDAĞ N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1166, ss.286-303, 2018 (SCI-Expanded)
60. A novel synthesis of octahydropyrido[3,2-c]carbazole framework of aspidospermidine alkaloids and a combined computational, FT-IR, NMR, NBO, NLO, FMO, MEP study of the cis-4a-Ethyl-1(2hydroxyethyl)-2,3,4,4a,5,6,7,11c-octahydro-1H-pyrido[3,2-c] carbazole
ULUDAĞ N., SERDAROĞLU G., YİNANÇ A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1161, ss.152-168, 2018 (SCI-Expanded)
61. An improved synthesis, spectroscopic (FT-IR, NMR) study and DFT computational analysis (IR, NMR, UV-Vis, MEP diagrams, NBO, NLO, FMO) of the 1,5-methanoazocino[4,3-b]indole core structure
ULUDAĞ N., SERDAROĞLU G.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1155, ss.548-560, 2018 (SCI-Expanded)
62. A computational study on relationship between quantum chemical parameters and reactivity of the zwitterionic GABA and its agonists: Solvent effect
SERDAROĞLU G.
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, cilt.56, sa.11, ss.1143-1153, 2017 (SCI-Expanded)
63. Ab Initio Calculations on some Antiepileptic Drugs such as Phenytoin, Phenobarbital, Ethosuximide and Carbamazepine
Serdaroglu G., Ortiz J. V.
STRUCTURAL CHEMISTRY, cilt.28, sa.4, ss.957-964, 2017 (SCI-Expanded)
64. DFT and Ab Initio Computational Study on the Reactivity Sites of the GABA and its Agonists, Such as CACA, TACA, DABA, and Muscimol: In the Gas Phase and Dielectric Media
Serdaroglu G.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, cilt.111, sa.14, ss.3938-3948, 2011 (SCI-Expanded)
65. A DFT Study of Determination of the Reactive Sites of the Acetylcholine and Its Agonists: In the Gas Phase and Dielectric Medium
Serdaroglu G.
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12. **A Computational Study Of 2,3-Dihydrospiro[Carbazole-1,2'-[1,3]Dithiolan]-4(9H)-One Compound: Structure, FT-IR, NMR, NLO, and NBO Analyses**
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13. **A DFT Investigation on 2-((3R)-3-ethyl-2,3,4,9-tetrahydrospiro[carbazole-1,2'xx-[1,3]dithiolan]-2-yl)-1-(methyl-azaneyl)ethan-1-one**
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18. **CONFORMATIONAL DEPENDENCE OF THE INTRA MOLECULAR INTERACTIONS IN N-HETEROCYCLIC CARBENE COMPLEX**
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19. **SOLVENT EFFECT ON THE ELECTRONIC STRUCTURE, PHYSICOCHEMICAL PROPERTIES AND QUANTUM CHEMICAL PARAMETERS OF THE SUBSTITUTED INDOLE COMPOUND**
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Kimya - I, Lisans, 2019 - 2020
IFO 1012 GENEL KİMYA II, Lisans, 2017 - 2018, 2016 - 2017
Genel Kimya Lab - I, Lisans, 2018 - 2019
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IFO 1011 GENEL KİMYA I, Lisans, 2017 - 2018, 2016 - 2017
Kimiada Özel Konular, Lisans, 2018 - 2019
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İSÖ 3024 TOPLUMA HİZMET UYGULAMALARI, Lisans, 2016 - 2017
Fen Eğitiminde İleri Kimya, Yüksek Lisans, 2017 - 2018
IFO 1013 GENEL KİMYA LABORATUVARİ I, Lisans, 2016 - 2017
IFO 3017 KİMYADA OZEL KONULAR, Lisans, 2016 - 2017
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Etkinlik Organizasyonlarındaki Görevler

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Serdaroğlu G., 8th European Chemistry Congress, Bilimsel Kongre / Sempozyum Organizasyonu, Fransa, Haziran 2018
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Doktora Sonrası Araştırma, Doktora Sonrası Araştırma, Auburn University, Amerika Birleşik Devletleri, 2013 - 2014
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Metrikler

Yayın: 141
Atıf (WoS): 497
Atıf (Scopus): 712
H-İndeks (WoS): 14

H-İndeks (Scopus): 16

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Araştırma Alanları

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