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Journal articles indexed in SCI, SSCI, and AHCI

- I. **Design, synthesis, and antimicrobial activity of novel coumarin derivatives: An *in-silico* and *in-vitro* study**
Nuha D., Evren A. E., Kapusiz O., Gül Ü. D., Gündoğdu-Karaburun N., Karaburun A. Ç., Berber H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1272, 2023 (SCI-Expanded)
- II. **Synthesis, Characterization and X-Ray Crystal Structure of the New Schiff Base and Anticandidal Evaluation**
POYRAZ M., SARI M., BERBER H., Karaca N., DEMİRCİ F.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.41, no.6, pp.1090-1096, 2019 (SCI-Expanded)
- III. **The electronic structure, solvatochromism, and electric dipole moments of new Schiff base derivatives using absorbance and fluorescence spectra**
SIDİR Y. G., Aslan C., BERBER H., SIDİR İ.
STRUCTURAL CHEMISTRY, vol.30, no.3, pp.835-851, 2019 (SCI-Expanded)
- IV. **Electronic structure and optical properties of Schiff base hydrazone derivatives by solution technique for optoelectronic devices: Synthesis, experiment and quantum chemical investigation**
SIDİR İ., SIDİR Y. G., BERBER H., DEMİRAY F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1176, pp.31-46, 2019 (SCI-Expanded)
- V. **A new 2,2'-oxydianiline derivative symmetrical azomethine compound containing thiophene units: Synthesis, spectroscopic characterization (UV-Vis, FTIR, H-1 and C-13 NMR) and DFT calculations**
ERMİŞ E., Durmus K., Ayguzer O. U., BERBER H., GÜLLÜ M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1168, pp.115-126, 2018 (SCI-Expanded)
- VI. **Study on the electronic and photophysical properties of the substitute-((2-phenoxybenzylidene)amino)phenol derivatives: Synthesis, solvatochromism, electric dipole moments and DFT calculations**
SIDİR Y. G., Pirbudak G., Berber H., SIDİR İ.
JOURNAL OF MOLECULAR LIQUIDS, vol.242, pp.1096-1110, 2017 (SCI-Expanded)
- VII. **Synthesis characterization and biological activity of mixed ligand silver(I) complex of 2-benzimidazolylurea and triphenylphosphine**
POYRAZ M., Berber H., Banti C. N., Kourkouvelis N., Manos M. J., Hadjikakou S. K.
POLYHEDRON, vol.128, pp.95-103, 2017 (SCI-Expanded)
- VIII. **Specific and non-specific interaction effect on the solvatochromism of some symmetric (2-hydroxybenzylideneamino)phenoxy Schiff base derivatives**
SIDİR İ., SIDİR Y. G., Berber H., Turkoglu G.
JOURNAL OF MOLECULAR LIQUIDS, vol.215, pp.691-703, 2016 (SCI-Expanded)
- IX. **Novel formazan derivatives containing phenylsulfanyl and carbonyl units: synthesis, optical and electrochemical properties**
Turkoglu G., BERBER H.
RSC ADVANCES, vol.6, no.98, pp.96065-96078, 2016 (SCI-Expanded)
- X. **Emerging ground and excited state dipole moments and external electric field effect on electronic**

structure. A solvatochromism and theoretical study on 2-((phenylimino)methyl)phenol derivatives
Sidir I., Sidir Y. G., BERBER H., Demiray F.

Journal of Molecular Liquids, vol.206, pp.56-67, 2015 (SCI-Expanded)

- XI. **Synthesis, crystal structure, optical and electrochemical properties of novel diphenylether-based formazan derivatives**
Turkoglu G., Berber H., KANI İ.
NEW JOURNAL OF CHEMISTRY, vol.39, no.4, pp.2728-2740, 2015 (SCI-Expanded)
- XII. **Solvatochromism and electronic structure of some symmetric Schiff base derivatives**
Sidir Y. G., Sidir I., BERBER H., Türkoğlu G.
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- XIII. **Estimation of ground and excited states dipole moments of alpha-hydroxy phenyl hydrazone derivatives: Experimental and quantum chemical methods**
SIDIR İ., SIDIR Y. G., DEMİRAY F., Berber H.
JOURNAL OF MOLECULAR LIQUIDS, vol.197, pp.386-394, 2014 (SCI-Expanded)
- XIV. **Electrochemical Determination of Paracetamol by a Novel Derivative of Formazan Modified Pencil Graphite Electrode**
Gorçay H., Turkoglu G., ŞAHİN Y., Berber H.
IEEE SENSORS JOURNAL, vol.14, no.8, pp.2529-2536, 2014 (SCI-Expanded)
- XV. **Solvatochromic behavior and electronic structure of some symmetric 2-aminophenol Schiff base derivatives**
Gülseven Sidir Y., Sidir I., BERBER H., Türkoğlu G.
Journal of Molecular Liquids, vol.199, pp.57-66, 2014 (SCI-Expanded)
- XVI. **Acidity constant determination of novel drug precursor benzothiazolon derivatives including acyl and piperazine moieties**
SIDIR İ., SIDIR Y. G., Berber H.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.111, pp.211-216, 2013 (SCI-Expanded)
- XVII. **A study on solvatochromism of some monoazo dye derivatives**
SIDIR İ., SIDIR Y. G., Berber H., TAŞAL E.
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- XVIII. **Synthesis, characterization, tautomerism and theoretical study of some new Schiff base derivatives**
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- XIX. **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)
- XX. **Spectroscopic Determination of Acid Dissociation Constants of N-Substituted-6-acylbenzothiazolone Derivatives**
SIDIR Y. G., SIDIR İ., Berber H.
JOURNAL OF PHYSICAL CHEMISTRY A, vol.115, no.20, pp.5112-5117, 2011 (SCI-Expanded)
- XXI. **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)
- XXII. **Solvatochromic effect studies on the absorption spectra of 4-((2-ethylphenyl)diazenyl)benzene-1,3-diol 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)
- XXIII. **Studies on solvatochromic behavior of some monoazo derivatives using electronic absorption spectra**

Sidir I, TAŞAL E., Gulseven Y., Gungor T., Berber H., Ogretir C.

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XXIV. Synthesis and theoretical study of bis(fluoroisatinato)mercury(II)

Kandemirli F., Koksoy B., Arslan T., GÜNEŞDOĞDU SAĞDINÇ S., Berber H.

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XXV. Spectroscopic determination of acidity constants of some monoazo resorcinol derivatives

Berber H., Ogretir C., Lekesiz E. C. S., ERMİŞ E.

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I. Spectrophotometric Determination of the Acidity Dissociation Constants of Symmetric Schiff Base Derivatives

Turkoglu G., BERBER H., Ozkutuk M. Y.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.27, no.2, pp.771-783, 2014 (ESCI)