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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Ens., Fizik Mühendisliği, Turkey 1996 - 2003

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, Turkey 1993 - 1996

Undergraduate, Ataturk University, Mühendislik Fak., Fizik Müh. Böl., Turkey 1988 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazı Ligandların ve Metal komplekslerin Kristal yapılarının ve moleküler konformasyonlarının X-ışınları kırınımı ve kimyasal hesaplama yöntemleri ile incelenmesi, Hacettepe Üniversitesi, Fen Bilimleri Ens. , Fizik Mühendisliği, 2003

Postgraduate, Ekran Baskı yöntemi ile hazırlanan BiPbSrCaCuO üstüniletken kalın filimlerin Galvanomagnetik özellikleri, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, 1996

Research Areas

Physics, Atomic and Molecular Physics, General Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Natural Sciences

Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Kimya, 2013 - Continues

Academic and Administrative Experience

Head of Department, Ataturk University, Fen Fakültesi, Kimya, 2019 - Continues

Courses

Inorganic chemistry lab., Undergraduate, 2020 - 2021

Properties of solid state materials-II, Postgraduate, 2020 - 2021

Danışmanlık, Postgraduate, 2019 - 2020

DNS, Postgraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Reduction of 2-phenyl-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione with NaBH₄: Investigation of *exo*-selectivity and reaction mechanism via theoretical computations**
GÜNDOĞDU Ö., Atalay A., Turhan P., ANIL B., ŞAHİN E., BOZKAYA U., HORASAN N., KARA Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1319, 2025 (SCI-Expanded)
- II. **One-pot synthesis of 4,5,6-triacetoxyisoindole-1,3-dione derivatives by hydride transferring agent in Ac₂O: Explanation of the regioselectivity in the molecule by theoretical calculations**
Gundogdu O., Atalay A., ŞAHİN E., KARA Y.
Journal of Molecular Structure, vol.1314, 2024 (SCI-Expanded)
- III. **An Efficient Promising Direction for the Synthesis of Dispirotriperazine (6-6-6 DSTP) Core**
Golmohammadi M., Pesyan N. N., ŞAHİN E.
SYNTHESIS-STUTTART, no.17, pp.2742-2746, 2024 (SCI-Expanded)
- IV. **Unusual Rearrangements in Cyclohex-3-ene-1-carboxamide Derivatives: Pathway to Bicyclic Lactones**
GÜNDOĞDU Ö., AYTAÇ S., ŞAHİN E., KARA Y.
ACS OMEGA, vol.9, no.21, pp.22970-22978, 2024 (SCI-Expanded)
- V. **New naphthoquinone thiazole hybrids as carbonic anhydrase and cholinesterase inhibitors: Synthesis, crystal structure, molecular docking, and acid dissociation constant**
Efeoglu C., Selcuk O., Demir B., ŞAHİN E., Sari H., TÜRKKEŞ C., Demir Y., Nural Y., BEYDEMİR Ş.
Journal of Molecular Structure, vol.1301, 2024 (SCI-Expanded)
- VI. **Asymmetric Synthesis of Trifluoromethyl Substituted Spiro[Indoline-3,4'-Pyrano[2,3-c]Pyrazole] Derivatives with Organocatalysts**
Ozcan B. D., BAYER KÖMÜŞDOĞAN E., ŞAHİN E., TANYELİ C.
CHEMISTRYSELECT, vol.9, no.5, 2024 (SCI-Expanded)
- VII. **Synthesis and photooxygenation of 3-(p-substituted phenyl)-3a,8a-dihydro-4H-cyclohepta[d]isoxazoles: Facial selectivity**
Olgun M. E., Menzek A., ŞAHİN E., ÇETİNKAYA Y.
Turkish Journal of Chemistry, vol.48, no.4, pp.691-700, 2024 (SCI-Expanded)
- VIII. **Bromination and conversion of tetrahydro-1H-indene to bisoxirane with a new approach: synthesis, structural characterization by spectroscopic and theoretical methods, and biological analysis supported by DFT and docking**
Yilmaz R. F., ERKAN S., Okten S., TUTAR A., ŞAHİN E.
TURKISH JOURNAL OF CHEMISTRY, vol.47, no.6, pp.1459-1478, 2023 (SCI-Expanded)
- IX. **Stereoselective synthesis of novel bis-homoinositols with bicyclo[4.2.0] octane motifs**
KARANFİL A., ŞAHİN E., KELEBEKLİ L.
CARBOHYDRATE RESEARCH, vol.519, 2022 (SCI-Expanded)
- X. **Experimental and computational studies of 1,5-diphenyl-pyrazole-3-carboxamide compounds as potential Cannabinoid receptor type 1**
KOCA İ., YAKAN M., ÇAPAN İ., ŞAHİN E., SERT Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1264, 2022 (SCI-Expanded)
- XI. **Regio- and stereo-chemical ring-opening reactions of the 2,3-epoxy alcohol derivative with nucleophiles: Explanation of the structures and C-2 selectivity supported by theoretical computations**

- GÜNDOĞDU Ö., Atalay A., Celebioglu N., ANIL B., ŞAHİN E., Sanli-Mohamed G., BOZKAYA U., KARA Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1264, 2022 (SCI-Expanded)
- XII. **Study of chemical behaviors of 4-hydroxycumarin in alkali media: dicumarols or dihydro-4H-furo[3,2-c]chromenes?**
Imani M., Pesyan N. N., Aalinejad M., ŞAHİN E.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.19, no.8, pp.3397-3405, 2022 (SCI-Expanded)
- XIII. **A boron dipyrromethene chiral at boron and carbon with a bent geometry: synthesis, resolution and chiroptical properties**
IŞIK M., DÜNDAR E., ŞAHİN E., TANYELİ C.
CHEMICAL COMMUNICATIONS, vol.58, no.51, pp.7188-7191, 2022 (SCI-Expanded)
- XIV. **Synthesis and biological effects evaluation of benzoconduritol C and D from oxabenzonorbornadiene**
KELEBEKLİ L., Yılmaz F. Z., ÇOL AYVAZ M., ŞAHİN E.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.19, no.5, pp.1899-1912, 2022 (SCI-Expanded)
- XV. **Two independent and consecutive Michael addition of 1,3-dimethylbarbituric acid to (2,6-diarylidene)cyclohexanone: Flying-bird-shaped 2D-polymeric structure**
Pesyan N. N., Mousavi S., ŞAHİN E.
HETEROCYCLIC COMMUNICATIONS, vol.28, no.1, pp.44-50, 2022 (SCI-Expanded)
- XVI. **Synthesis of novel acylthioureas bearing naphthoquinone moiety as dual sensor for high-performance naked-eye colorimetric and fluorescence detection of CN⁻ and F⁻ ions and its application in water and food samples**
NURAL Y., Karasu E., Keles E., AYDINER B., SEFEROĞLU N., Efeoglu C., ŞAHİN E., SEFEROĞLU Z.
DYES AND PIGMENTS, vol.198, 2022 (SCI-Expanded)
- XVII. **Structural analysis of halogenated bicyclo[4.2.0] inositols, biological activities and molecular docking studies**
Sahin E. N., KARANFİL A., ÇOL AYVAZ M., ŞAHİN E., KELEBEKLİ L.
JOURNAL OF MOLECULAR STRUCTURE, vol.1248, 2022 (SCI-Expanded)
- XVIII. **Synthesis, NMR, X-ray crystallography and DFT studies of some regioisomers possessing imidazole heterocycles**
PÜSKÜLLÜ M. O., Doganc F., Ozden S., ŞAHİN E., ÇELİK İ., Goker H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1243, 2021 (SCI-Expanded)
- XIX. **Synthesis, photophysical, thermal properties and X-Ray studies of novel organic dyes bearing Inden-1-ylidene and fluorene**
Yahya M., Cakmaz D., Achelle S., le Gall E., ŞAHİN E., SEFEROĞLU Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.416, 2021 (SCI-Expanded)
- XX. **Novel halo-molecules; synthesis, structure elucidation, mechanism, and antioxidant activity**
Bekfelavi E. Y., YILMAZ Ö., ŞAHİN E., ŞİMŞEK KUŞ N.
MONATSHEFTE FÜR CHEMIE, vol.152, no.2, pp.295-304, 2021 (SCI-Expanded)
- XXI. **Thiazoline-Iridium (III) Complexes and Immobilized Nanomaterials as Selective Catalysts in N-Alkylation of Amines with Alcohols**
DENİZALTI S., DAYAN S., GÜNNAZ S., ŞAHİN E.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.34, no.12, 2020 (SCI-Expanded)
- XXII. **Polysubstituted pyrrolidines linked to 1,2,3-triazoles: Synthesis, crystal structure, DFT studies, acid dissociation constant, drug-likeness, and anti-proliferative activity**
İNCE T., SERTTAŞ R., DEMİR B., Atabey H., SEFEROĞLU N., ERDOĞAN S., ŞAHİN E., Erat S., NURAL Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1217, 2020 (SCI-Expanded)
- XXIII. **The superiority of the classical synthesis compared to the hydrothermal synthesis upon the structural, optical absorption and fluorescent properties of new Cd(II) 3-fluorobenzoate complexes with Pyridine-3-carboxamide/ Pyridine-3-carboxylate**
ÖZBEK F. E., SERTÇELİK M., YÜKSEK M., Elmali A., Sahin E.
INORGANICA CHIMICA ACTA, vol.509, 2020 (SCI-Expanded)

- XXIV. **4-Methylmorpholinium bis-(thio)barbiturates: Synthesis, structure, anticancer evaluation, and ComFA study**
Pesyan N. N., Rashidnejad H., Esmaeili M. A., Safari E., TUNÇ T., Alilou M., Safavi-Sohi R., ŞAHİN E.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.67, no.9, pp.1679-1695, 2020 (SCI-Expanded)
- XXV. **A new mechanism for selective recognition of cyanide in organic and aqueous solution**
Keles E., AYDINER B., NURAL Y., SEFEROĞLU N., ŞAHİN E., SEFEROĞLU Z.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2020, no.30, pp.4681-4692, 2020 (SCI-Expanded)
- XXVI. **Synthesis of novel tetrols from syn-bisepoxide: Preparation of halogenated bicyclo[4.2.0] inositols**
KARANFİL A., ŞAHİN E., KELEBEKLİ L.
TETRAHEDRON, vol.76, no.11, 2020 (SCI-Expanded)
- XXVII. **Synthesis and biological evaluation of new chloro/acetoxo substituted isoindole analogues as new tyrosine kinase inhibitors**
KÖSE A., Kaya M., Kishali N., AKDEMİR A., ŞAHİN E., KARA Y., ŞANLI MOHAMED G.
BIOORGANIC CHEMISTRY, vol.94, 2020 (SCI-Expanded)
- XXVIII. **A Facile and Catalyst-free Synthesis of Hexahydroacridine-1,8(2H,5H)-dione and Octahydroacridin-10(1H)-ylthiourea Derivatives: Inter- and Intramolecular Aza-Michael addition**
Pesyan N. N., Akhteh N., Batmani H., ANIL B., ŞAHİN E.
HETEROCYCLIC COMMUNICATIONS, vol.26, no.1, pp.26-32, 2020 (SCI-Expanded)
- XXIX. **Evaluation of Cytotoxic Potentials of Some Isoindole-1, 3-Dione Derivatives on HeLa, C6 and A549 Cancer Cell Lines**
Tan A., Yaglioglu A. S., KİSHALI N., ŞAHİN E., KARA Y.
MEDICINAL CHEMISTRY, vol.16, no.1, pp.69-77, 2020 (SCI-Expanded)
- XXX. **Sulfonamide-derived hydrazone compounds and their Pd (II) complexes: Synthesis, spectroscopic characterization, X-ray structure determination, in vitro antibacterial activity and computational studies**
ÖZBEK N., Ozdemir U. O., Altun A. F., ŞAHİN E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1196, pp.707-719, 2019 (SCI-Expanded)
- XXXI. **Novel highly functionalized 1,4-naphthoquinone 2-iminothiazole hybrids: Synthesis, photophysical properties, crystal structure, DFT studies, and anti(myco)bacterial/antifungal activity**
GEMİLİ M., NURAL Y., Keles E., AYDINER B., SEFEROĞLU N., ÜLGER M., ŞAHİN E., Erat S., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1196, pp.536-546, 2019 (SCI-Expanded)
- XXXII. **Synthesis, biological evaluation and in silico modelling studies of 1,3,5-trisubstituted pyrazoles carrying benzenesulfonamide as potential anticancer agents and selective cancer-associated hCA IX isoenzyme inhibitors**
YAMALI C., GÜL H. İ., Ece A., BUA S., ANGELİ A., SAKAGAMI H., ŞAHİN E., Supuran C. T.
BIOORGANIC CHEMISTRY, vol.92, 2019 (SCI-Expanded)
- XXXIII. **The clean and mild synthesis, crystal structure, and intra-molecular hydrogen bond study of substituted new 4,8-dihydropyrano[3,2-b]-pyrans containing chlorokojoic acid moiety**
Aghbash K. O., Pesyan N. N., Marandi G., DEGE N., ŞAHİN E.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.45, no.9, pp.4543-4554, 2019 (SCI-Expanded)
- XXXIV. **The synthesis of blue emitting 3-Amino-1-hetarylfluorenes and their unprecedented alkylated derivatives**
Yalcin E., Duyar H., Cakmaz D., ŞAHİN E., SEFEROĞLU Z.
TETRAHEDRON, vol.75, no.35, 2019 (SCI-Expanded)
- XXXV. **Synthesis and biological evaluation of bromophenol derivatives with cyclopropyl moiety: Ring opening of cyclopropane with monoester**
BOZTAS M., TASLIMI P., YAVARI M. A., GÜLÇİN İ., ŞAHİN E., MENZEK A.
BIOORGANIC CHEMISTRY, vol.89, 2019 (SCI-Expanded)
- XXXVI. **Synthesis, characterization, antioxidant properties and DFT calculation of some new pyrimidine derivatives**
AKBAŞ E., ERGAN E., ŞAHİN E., EKİN S., ÇAKIR M., KARAKUS Y.

- PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.194, no.8, pp.796-802, 2019 (SCI-Expanded)
- XXXVII. **SBA-16 supported amino acid Schiff base complexes of molybdenum as new heterogeneous molybdenum catalysts**
Masteri-Farahani M., Eghbali P., ŞAHİN E.
COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, vol.570, pp.347-353, 2019 (SCI-Expanded)
- XXXVIII. **Synthesis and characterization of novel bromophenols: Determination of their anticholinergic, antidiabetic and antioxidant activities**
Öztaşkın N., KAYA R., MARAŞ A., ŞAHİN E., GÜLÇİN İ., GÖKSU S.
Bioorganic Chemistry, vol.87, pp.91-102, 2019 (SCI-Expanded)
- XXXIX. **Novel benzildihydrazone based Schiff bases: Syntheses, characterization, thermal properties, theoretical DFT calculations and biological activity studies**
ELMACI G., Duyar H., AYDINER B., Yahaya I., SEFEROĞLU N., ŞAHİN E., Celik S. P., AÇIK L., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.271-280, 2019 (SCI-Expanded)
- XL. **An anomalous addition of chlorosulfonyl isocyanate to a carbonyl group: the synthesis of ((3aS, 7aR, E)-2-ethyl-3-oxo-2,3,3a, 4,7,7a-hexahydro-1H-isoindol-1-ylidene)sulfamoyl chloride**
KÖSE A., Unal A., ŞAHİN E., BOZKAYA U., KARA Y.
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.15, pp.931-936, 2019 (SCI-Expanded)
- XLI. **Two new potential optical materials: Co(II) and Ni(II) 3-fluorobenzoate complexes with pyridine-3-carboxamide**
ÖZBEK F. E., SERTÇELİK M., YÜKSEK M., Kucukoz B., ELMALI A., ŞAHİN E.
JOURNAL OF COORDINATION CHEMISTRY, vol.72, pp.786-795, 2019 (SCI-Expanded)
- XLII. **From Bioactive Pyrrolidino[3,4-c] pyrrolidines to more Bioactive Pyrrolidino[3,4-b] pyrrolidines via Ring-Opening/ Ring-Closing Promoted by Sodium Methoxide**
Belveren S., LARRAÑAGA O., Poyraz S., Dondas H. A., Ulger M., ŞAHİN E., FERRÁNDİZ-SAPERAS M., Sansano J. M., de Gracia Retamosa M., de Cozar A.
SYNTHESIS-STUTTGART, vol.51, no.7, pp.1565-1577, 2019 (SCI-Expanded)
- XLIII. **Cu(I)-catalyzed alkyne-azide 'click' cycloaddition (CuAAC): a clean, efficient, and mild synthesis of new 1,4-disubstituted 1H-1,2,3-triazole-linked 2-amino-4,8-dihydropyrano[3,2-b]pyran-3-carbonitrile-crystal structure**
Aghbash K. O., Pesyan N. N., ŞAHİN E.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.45, no.4, pp.2079-2094, 2019 (SCI-Expanded)
- XLIV. **A Green Protocol for Simple One-pot Synthesis of New Pyrimidine Derivatives Both Microwave Irradiation and Conventional Heating: Reactions, Characterization, and Theoretical Calculations**
Akbaş E., Rüzgar A., ŞAHİN E., Ergen E.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.56, no.3, pp.1003-1011, 2019 (SCI-Expanded)
- XLV. **Asymmetric synthesis of aminocyclooctenecarbonitriles: Cyclooctene beta-lactam and hydroxyaminocyclooctene carboxylic precursors**
Aydin B. O., YURTOĞLU E., ARÇELİK N., Sahin E., Secen H., Altundas R.
TETRAHEDRON LETTERS, vol.60, no.3, pp.284-287, 2019 (SCI-Expanded)
- XLVI. **Novel 1,4-naphthoquinone N-aryolthioureas: Syntheses, crystal structure, anion recognition properties, DFT studies and determination of acid dissociation constants**
Gemili M., Nural Y., Keles E., Aydin B., Seferoglu N., ŞAHİN E., Sari H., Seferoglu Z.
JOURNAL OF MOLECULAR LIQUIDS, vol.269, pp.920-932, 2018 (SCI-Expanded)
- XLVII. **Synthesis and rearrangement reactions of 1,4-dihydrospiro[1,4-methanonaphthalene-9,1'-cyclopropane] derivatives**
BAYRAK C., ŞENOL H., SIRTBAŞI S., ŞAHİN E., MENZEK A.
TETRAHEDRON, vol.74, no.40, pp.5839-5849, 2018 (SCI-Expanded)
- XLVIII. **Synthesis, characterization, and crystal structure of 6,7a-dichloro-3a-hydroxyoctahydro-1H-indene-2,5-diyl diacetates**

Kelebekli L., ANIL B., GÖKSU S., ŞAHİN E.

Journal of the Iranian Chemical Society, vol.15, no.9, pp.1969-1974, 2018 (SCI-Expanded)

- XLIX. **Cycloaddition Reactions of Benzonorbornadiene and Homonorbornadiene: New Isoxazoline and Pyridazine Derivatives**
Adiloglu Y., ŞAHİN E., Tutar A., MENZEK A.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.55, no.8, pp.1917-1925, 2018 (SCI-Expanded)
- L. **The syntheses, molecular structure analyses and DFT studies on new benzil monohydrazone based Schiff bases**
Elmaci G., Duyar H., Aydiner B., Seferoglu N., NAZİRİ M. A., ŞAHİN E., Seferoglu Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1162, pp.37-44, 2018 (SCI-Expanded)
- L.I. **Synthesis, crystal structure, DFT studies, acid dissociation constant, and antimicrobial activity of methyl 2-(4-chlorophenyl)-7a-((4-chlorophenyl)carbamothioyl)-1-oxo-5,5-diphenyl-3-thioxo-hexahydro-1H-pyrrolo[1,2-e]imidazole-6-carboxylate**
Nural Y., Gemili M., Seferoglu N., ŞAHİN E., Ulger M., Sari H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1160, pp.375-382, 2018 (SCI-Expanded)
- L.II. **Sonochemical synthesis of two novel Pb(II) 2D metal coordination polymer complexes: New precursor for facile fabrication of lead(II) oxide/bromide micro-nanostructures**
Hayati P., Suarez-Garcia S., GUTIERREZ A., ŞAHİN E., Ruiz Molina D., Morsali A., Rezvani A. R.
ULTRASONICS SONOCHEMISTRY, vol.42, pp.310-319, 2018 (SCI-Expanded)
- L.III. **Regio- and stereospecific synthesis of DL-4,5-dibromo-4,5-dideoxy-3,6-O-methyl-chiro-inositol**
Kelebekli L., Aksu K., ŞAHİN E.
TETRAHEDRON LETTERS, vol.59, no.13, pp.1258-1260, 2018 (SCI-Expanded)
- L.IV. **Synthesis, antimicrobial activity and acid dissociation constants of methyl 5,5-diphenyl-1-(thiazol-2-yl)pyrrolidine-2-carboxylate derivatives**
Nural Y., Gemili M., Ulger M., Sari H., De Coen L. M., ŞAHİN E.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.28, no.5, pp.942-946, 2018 (SCI-Expanded)
- L.V. **Correction to: Synthesis, characterization, crystal structure, and antituberculosis activity of some novel polysubstituted aminocarbothiol/thiohydantoin-pyrrolidine derivatives**
POYRAZ S., BELVEREN S., ÜLGER M., ŞAHİN E., DÖNDAŞ H. A.
Monatshefte Fur Chemie, vol.149, pp.663, 2018 (SCI-Expanded)
- L.VI. **A facile and regioselective one-pot synthesis of novel pyrazolo[1,5:1,2]pyrrolo[3,4-b]quinoline-2,3-dicarboxylate hybrids via intramolecular Wittig reaction**
LARGANI T. H., IMANZADEH G., PESYAN N. N., ŞAHİN E., SHAMKHALI A. N., NOTASH B.
MOLECULAR DIVERSITY, vol.22, no.1, pp.37-46, 2018 (SCI-Expanded)
- L.VII. **Synthesis of bis(thiosemicarbazone) derivatives: Definition, crystal structure, biological potential and computational analysis**
Ates D., Gülcan M., Gümüş S., Sekerci M., Ozdemir S., ŞAHİN E., Colak N.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.193, no.1, pp.14-22, 2018 (SCI-Expanded)
- L.VIII. **Synthesis, X-ray crystal structure and DFT studies of cobalt(II) and vanadium(V) complexes with N,N,O-tridentate aroyl-hydrazone based ligand**
NAZİRİ M. A., ŞAHİN E., SEFEROĞLU N., SHAABANI B.
JOURNAL OF COORDINATION CHEMISTRY, vol.71, no.1, pp.89-103, 2018 (SCI-Expanded)
- L.IX. **Synthesis, characterization, crystal structure, and antituberculosis activity of some novel polysubstituted aminocarbothiol/thiohydantoin-pyrrolidine derivatives**
POYRAZ S., BELVEREN S., ÜLGER M., ŞAHİN E., DÖNDAŞ H. A.
MONATSHEFTE FUR CHEMIE, vol.148, no.12, pp.2173-2182, 2017 (SCI-Expanded)
- L.X. **Reaction of 9-oxabicyclo[4.2.1]non-7-ene-1-ol with tetrazine: An unusually facile intramolecular rearrangement**
KAYA A., SALAMCI E., MENZEK A., ERDEM S., ŞAHİN E., ECER K.
TETRAHEDRON, vol.73, no.36, pp.5381-5388, 2017 (SCI-Expanded)

- LXI. **Synthesis and anti(myco)bacterial activity of novel 5,5-diphenylpyrrolidine N-arylthiourea derivatives and a functionalized hexahydro-1H-pyrrolo[1,2-c]imidazole**
Ersen D., Ulger M., MANGELINCKX S., Gemili M., ŞAHİN E., Nural Y.
MEDICINAL CHEMISTRY RESEARCH, vol.26, no.9, pp.2152-2160, 2017 (SCI-Expanded)
- LXII. **Pt(II) and Ni(II) complexes of octahydropyrrolo[3,4-c]pyrrole N-benzoylthiourea derivatives: Synthesis, characterization, physical parameters and biological activity**
Gemili M., Sari H., Ulger M., ŞAHİN E., Nural Y.
INORGANICA CHIMICA ACTA, vol.463, pp.88-96, 2017 (SCI-Expanded)
- LXIII. **Synthesis, theoretical calculation, electrochemistry and total antioxidant capacity of 5-benzoyl-6-phenyl-4-(4-methoxyphenyl)-1,2,3,4-tetrahydro-2-thioxopyrimidine and derivatives**
Ergan E., Akbaş E., Levent A., Sahin E., Konuş M., Seferoglu N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1136, pp.231-243, 2017 (SCI-Expanded)
- LXIV. **Synthesis of tricyclic ring systems: [2+2] ketene addition reaction for preparation of tricyclic ketone, alcohol, and lactone derivatives**
Yilmaz O., Bekfelavi E. Y., Kus N. S., Tunc T., ŞAHİN E.
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- LXV. **Preparation of novel pyrrol-2-one derivatives via an effective synthesis of new oxazole scaffold**
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