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Personal Information

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1983 - 1988

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1979 - 1983

Undergraduate, Hacettepe University, Kimya Fakültesi, Kimyagerlik, Turkey 1974 - 1979

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Chemistry, Organic Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 1979 - Continues

Academic and Administrative Experience

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011 - 2017

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2008 - 2011

Courses

KIM653 001 ORGANİK SPEKTRAL YAPI ANALIZI, Postgraduate, 2017 - 2018

KIM461 001 ORGANİK KİMYA LAB.II, Undergraduate, 2017 - 2018

KIM700 013 SEMİNER, Postgraduate, 2017 - 2018

KIM485 013 BITİRME ÖDEVI, Undergraduate, 2017 - 2018

KIM311 001 ORGANİK YAPI ANALIZI, Undergraduate, 2017 - 2018, 2016 - 2017

KIM698 013 ÖZEL KONULAR, Postgraduate, 2017 - 2018

KIM413 001 ORGANİK KİMYA III, Undergraduate, 2017 - 2018, 2016 - 2017

FBE601 018 001 BİLİMSEL ARASTIRMA TEKNİĞİ VE YAYIN ETİĞİ, Postgraduate, 2017 - 2018

KIM798 013 ÖZEL KONULAR, Doctorate, 2017 - 2018, 2016 - 2017
KIM154 001 GENEL KIMYA II, Undergraduate, 2016 - 2017
KIM386 001 ORGANİK KIMYA LAB I, Undergraduate, 2016 - 2017
KIM358 001 ORGANİK KIMYA II, Undergraduate, 2016 - 2017
KIM461 028 ORGANİK KIMYA LAB.II, Undergraduate, 2016 - 2017
KIM698 051 ÖZEL KONULAR, Postgraduate, 2016 - 2017

Advising Theses

ÜNALEROĞLU C., Ester ve hidrazon süstitüye bodipy bileşiklerinin sentezi ve fotofiziksel özelliklerinin incelenmesi, Postgraduate, Ç.GAYRETLİ(Student), 2017
ÜNALEROĞLU C., Yüksek pH değerlerinde çalışan bodipy tabanlı floresan pH sensörlerinin tasarımı ve sentezi, Postgraduate, N.TUNÇER(Student), 2017
ÜNALEROĞLU C., Synthesis of biologically active heterocyclic compounds using ketonic Mannich bases, Doctorate, E.HAMIED(Student), 2017
ÜNALEROĞLU C., Mezo-süstitüe tripirran ve tetrapirran bileşiklerinin seçimli sentezi ve porfirin kimyasındaki uygulamaları, Doctorate, G.AYDIN(Student), 2016
ÜNALEROĞLU C., Ketonik Mannich bazları kullanılarak süstitüe indol, benzimidazol ve benzotriazol bileşiklerinin sentezi, Postgraduate, P.SEYİTDANLIOĞLU(Student), 2016
ÜNALEROĞLU C., Kiral fonksiyonel gruplar içeren yeni porfirin türevlerinin sentezi ve karakterizasyonu, Postgraduate, D.ERKEN(Student), 2014
ÜNALEROĞLU C., Yeni bodipy bileşiklerinin sentezi ve spektral özelliklerinin incelenmesi, Postgraduate, E.TEKNİKEL(Student), 2013
ÜNALEROĞLU C., Michael addition of heteroaromatic compounds to α,β -unsaturated phosphonates and their reactions, Doctorate, D.İŞİK(Student), 2012
ÜNALEROĞLU C., Nitroalkenlere 1,4-katılması ve halkalaşma tepkimelerinin incelenmesi, Postgraduate, S.ÇINAR(Student), 2012
ÜNALEROĞLU C., Addition reactions of aromatic compounds to multiple bonds in the presence of metal trifluoromethanesulfonates, Doctorate, B.TEMELLİ(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An Unprecedented Reaction of BOPHY: Fluorimetric Chemosensing of Amines by Tetrabrominated BOPHY**
Tunca E., Teknikel E., Ünaleroğlu C.
ChemistrySelect, vol.9, no.1, 2024 (SCI-Expanded)
- II. **Substituent-controlled construction of A4B2-hexaphyrins and A3B-porphyrins: a mechanistic evaluation**
ÇINAR S., Tasgin D. I., ÜNALEROĞLU C.
Beilstein Journal of Organic Chemistry, vol.19, pp.1832-1840, 2023 (SCI-Expanded)
- III. **Synthesis, photophysical properties and theoretical evaluation of alkyl-linked porphyrin – BODIPY dyads**
ÇINAR S., SEYİTDANLIOĞLU P., ÜNALEROĞLU C.
Dyes and Pigments, vol.206, 2022 (SCI-Expanded)
- IV. **Theoretically designated synthesizable donor-acceptor type semiconducting copolymers: Investigation into molecular, electronic, and optical properties**
SEYİTDANLIOĞLU ŞİRİN P., ÜNAL CİVCİR P., ÜNALEROĞLU C.
MATERIALS CHEMISTRY AND PHYSICS, vol.275, 2022 (SCI-Expanded)
- V. **2,3,5,6-Tetrabromo-8-phenyl BODIPY as a fluorometric and colorimetric probe for amines**

TEKNİKEL E., ÜNALEROĞLU C.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.422, 2022 (SCI-Expanded)

- VI. **A novel design thia-bilane structure-based molecular imprinted electrochemical sensor for sensitive and selective dopamine determination**
Kaya H. K., Cinar S., Altundal G., Bayramli Y., ÜNALEROĞLU C., KURALAY F.
SENSORS AND ACTUATORS B-CHEMICAL, vol.346, 2021 (SCI-Expanded)
- VII. **Designing of DAD Type Small Semiconductor Molecules and Investigation of Substituent Effect on Their Molecular, Electronic and Optical Properties: A DFT Study****
SEYİTDANLIOĞLU ŞİRİN P., KAHYA N. D., ÜNALEROĞLU C.
CHEMISTRYSELECT, vol.6, no.40, pp.10793-10801, 2021 (SCI-Expanded)
- VIII. **A computational insight on designing low electronic energy gap benzothiadiazole/benzoselenadiazole-pyrrole copolymers**
SEYİTDANLIOĞLU ŞİRİN P., ÜNAL CİVCİR P., ÜNALEROĞLU C.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.121, no.8, 2021 (SCI-Expanded)
- IX. **A Finding on the Direct Regioselective Cyanation of BODIPY**
Gayretli C., TEKNİKEL E., Cinar S., ÜNALEROĞLU C.
Synlett, vol.31, no.11, pp.1064-1066, 2020 (SCI-Expanded)
- X. **Exciton coupling and energy transfer in oxygen-bridged unsymmetrical BODIPY dyads**
TEKNİKEL E., ÜNALEROĞLU C.
Journal of Photochemistry and Photobiology A: Chemistry, vol.385, 2019 (SCI-Expanded)
- XI. **Design, synthesis, and antitumor evaluation of novel methylene moiety-tethered tetrahydroquinoline derivatives**
Hanashalshahaby E. H. A., ÜNALEROĞLU C., Can A. A. K., Ozgun A., GARİPCAN B.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.6, pp.1552-1569, 2019 (SCI-Expanded)
- XII. **Rationally Designed Fluorescent pH Sensors for Measurements in Extremely Alkaline Media**
Tuncer N., TEKNİKEL E., ÜNALEROĞLU C.
Journal of Fluorescence, vol.28, no.6, pp.1413-1420, 2018 (SCI-Expanded)
- XIII. **Selective synthesis of 5-aryl-10-(nitromethyl) substituted 15-azatripyrrane, 15-oxatripyrrane and 15-thiatripyrrane: access to nitromethyl functionalized A(3)B-porphyrins**
SEYİTDANLIOĞLU ŞİRİN P., Altundal G., Cinar S., ÜNALEROĞLU C.
NEW JOURNAL OF CHEMISTRY, vol.42, no.17, pp.14163-14169, 2018 (SCI-Expanded)
- XIV. **N-phosphorylation of pyrroles: An intramolecular migration reaction**
Tasgin D. I., ÜNALEROĞLU C.
TETRAHEDRON LETTERS, vol.59, no.20, pp.1955-1957, 2018 (SCI-Expanded)
- XV. **Selective synthesis of 5-aryl-10-(nitromethyl) substituted 15-azatripyrrane, 15-oxatripyrrane and 15-thiatripyrrane: access to nitromethyl functionalized A(3)B-porphyrins**
ÜNALEROĞLU C.
NEW JOURNAL OF CHEMISTRY, no.42, pp.14163-14169, 2018 (SCI-Expanded)
- XVI. **An efficient water-mediated synthetic route for the alkylation of heteroarenes**
SEYİTDANLIOĞLU P., Hanashalshahaby E. H. A., ÜNALEROĞLU C.
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.6, pp.1598-1610, 2018 (SCI-Expanded)
- XVII. **Facile synthesis of heteroaryl substituted gamma-lactams from nitrovinyl arenes**
Cinar S., ÜNALEROĞLU C.
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.1, pp.29-35, 2018 (SCI-Expanded)
- XVIII. **Design, synthesis and cytotoxic evaluation of beta-aryl-alpha-dimethoxyphosphoryl-gamma-lactams**
Cinar S., ÜNALEROĞLU C., Ak A., Garipcan B.
MEDICINAL CHEMISTRY RESEARCH, vol.26, no.5, pp.1022-1028, 2017 (SCI-Expanded)
- XIX. **Ring annulation versus alkylation of pyrrole with alpha-phosphoryl-alpha,beta-unsaturated ketones**
Tasgin D. I., ÜNALEROĞLU C.
TETRAHEDRON, vol.72, no.39, pp.5934-5942, 2016 (SCI-Expanded)
- XX. **Selective Synthesis of Tripyrranes, Tetrapyrroles, and Corroles**

- AYDIN G., TEMELLİ B., ÜNALEROĞLU C.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, no.34, pp.7583-7593, 2015 (SCI-Expanded)
- XXI. **Colorimetric and fluorometric pH sensor based on bis(methoxycarbonyl)ethenyl functionalized BODIPY**
TEKNİKEL E., ÜNALEROĞLU C.
DYES AND PIGMENTS, vol.120, pp.239-244, 2015 (SCI-Expanded)
- XXII. **Mannich Bases as Enone Precursors for Water-Mediated Efficient Synthesis of 2,3,6-Trisubstituted Pyridines and 5,6,7,8-Tetrahydroquinolines**
HANASHALSHAHABY E. H. A., ÜNALEROĞLU C.
ACS COMBINATORIAL SCIENCE, vol.17, no.6, pp.374-380, 2015 (SCI-Expanded)
- XXIII. **Electrochemistry of poly(5-phenyl dipyrromethane) and its characterization**
BOLAT G., Kuralay F., TEMELLİ B., ÜNALEROĞLU C., ABACI S.
POLYMER BULLETIN, vol.72, no.4, pp.867-879, 2015 (SCI-Expanded)
- XXIV. **Access to pyrrole-based heterocyclic compounds via addition of pyrrole to C=C and C=N bonds**
ÜNALEROĞLU C., TEMELLİ B., Tasgin D. I.
PURE AND APPLIED CHEMISTRY, vol.86, no.6, pp.925-932, 2014 (SCI-Expanded)
- XXV. **Direct Transformation of Primary Nitro Compounds into Nitriles with Sodium Dithionite**
Temelli B., ÜNALEROĞLU C.
SYNTHESIS-STUTT GART, vol.46, no.10, pp.1407-1412, 2014 (SCI-Expanded)
- XXVI. **A new reagent for the synthesis of [26]hexaphyrin: N-sulfonyl aldimine**
Cinar S., TEMELLİ B., ÜNALEROĞLU C.
TETRAHEDRON LETTERS, vol.55, no.2, pp.544-547, 2014 (SCI-Expanded)
- XXVII. **Michael Addition of N-Heteroaromatics to Vinylphosphonates and Synthesis of Phosphoryl Pyrrolizones by Cyclization of Michael Adducts**
Tasgin D. I., ÜNALEROĞLU C.
SYNTHESIS-STUTT GART, vol.45, no.2, pp.193-198, 2013 (SCI-Expanded)
- XXVIII. **A novel polypyrrole-phenylboronic acid based electrochemical saccharide sensor**
Aytac S., Kuralay F., BOYACI İ. H., ÜNALEROĞLU C.
SENSORS AND ACTUATORS B-CHEMICAL, vol.160, no.1, pp.405-411, 2011 (SCI-Expanded)
- XXIX. **The reaction of N-tosyl imines with heteroaromatic compounds: a new access to triheteroarylmethanes**
Temelli B., Tasgin D. I., ÜNALEROĞLU C.
TETRAHEDRON, vol.66, no.34, pp.6765-6768, 2010 (SCI-Expanded)
- XXX. **Enantioselective addition of diethylzinc to aldehydes catalyzed by beta-amino alcohols derived from (1R,2S)-norephedrine**
Tasgin D. I., ÜNALEROĞLU C.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.24, no.1, pp.33-37, 2010 (SCI-Expanded)
- XXXI. **An Efficient Synthetic Route for Pyrrolizinone Synthesis through Functionalized C-Alkylpyrroles**
ÜNALEROĞLU C., Tasgin D. I., Aytac S., TEMELLİ B.
SYNTHESIS-STUTT GART, no.19, pp.3243-3250, 2009 (SCI-Expanded)
- XXXII. **Synthesis of meso-tetraphenyl porphyrins via condensation of dipyrromethanes with N-tosyl imines**
TEMELLİ B., ÜNALEROĞLU C.
TETRAHEDRON, vol.65, no.10, pp.2043-2050, 2009 (SCI-Expanded)
- XXXIII. **Regioselective alkylation of pyrrole with 2-benzylidenemalononitriles catalyzed by Cu(OTf)₂**
Tasgin D. I., TEMELLİ B., Yazici A., Aytac S., ÜNALEROĞLU C.
LETTERS IN ORGANIC CHEMISTRY, vol.5, no.3, pp.165-168, 2008 (SCI-Expanded)
- XXXIV. **Gadolinium triflate catalyzed alkylation of pyrroles: efficient synthesis of 3-oxo-2,3-dihydro-1H-pyrrolizine derivatives**
ÜNALEROĞLU C., Yazici A.
TETRAHEDRON, vol.63, no.25, pp.5608-5613, 2007 (SCI-Expanded)
- XXXV. **Copper triflate catalyzed regioselective alkylation of pyrrole: Conversion of 2-alkylated pyrroles to**

novel pyrrolizine derivatives by self-cyclization

ÜNALEROĞLU C., Aytac S., TEMELLI B.

HETEROCYCLES, vol.71, no.11, pp.2427-2440, 2007 (SCI-Expanded)

- XXXVI. **Synthesis and characterization of transition metal-vitamin B13 complexes mixed with a co-vitamin**
Kose D. A., Zumreoglu-Karan B., Unaleroglu C., Sahin O., Buyukgungor O.
JOURNAL OF COORDINATION CHEMISTRY, vol.59, no.18, pp.2125-2133, 2006 (SCI-Expanded)
- XXXVII. **A novel method for the synthesis of dipyrromethanes by metal trillate catalysis**
Temelli B., Unaleroglu C.
TETRAHEDRON, vol.62, no.43, pp.10130-10135, 2006 (SCI-Expanded)
- XXXVIII. **Computational study of the synthesis of benzoin derivatives from benzil**
Topal K., Unaleroglu C., Aviyente V.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.106, no.7, pp.1596-1610, 2006 (SCI-Expanded)
- XXXIX. **Synthesis of novel norephedrine-based chiral ligands with multiple stereogenic centers and their application in enantioselective addition of diethylzinc to aldehyde and chalcone**
Unaleroglu C., Aydin A. E., Demir A. S.
TETRAHEDRON-ASYMMETRY, vol.17, no.5, pp.742-749, 2006 (SCI-Expanded)
- XL. **Regioselective addition of pyrrole to N-tosyl imines in the presence of Cu(OTf)(2)**
Temelli B., Unaleroglu C.
TETRAHEDRON LETTERS, vol.46, no.46, pp.7941-7943, 2005 (SCI-Expanded)
- XLI. **Structural and magnetic studies on mono- and polynuclear chromium ascorbate complexes**
Zumreoglu-Karan B., Ay A. N., Unaleroglu C., Firat T., Ristau T., Jabs W.
TRANSITION METAL CHEMISTRY, vol.30, no.4, pp.451-459, 2005 (SCI-Expanded)
- XLII. **Metal triflates-catalyzed conjugate addition of homochiral Pyrroles to alpha,beta-unsaturated esters**
Unaleroglu C., Temelli B., Demir A. s.
SYNTHESIS-STUTT GART, no.15, pp.2574-2578, 2004 (SCI-Expanded)
- XLIII. **Effects of neutral, cationic, and anionic chromium ascorbate complexes on isolated human mitochondrial and genomic DNA**
Ay A. N., Zumreoglu-Karan B., Oner R., Unaleroglu C., Oner C.
JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY, vol.36, no.4, pp.403-408, 2003 (SCI-Expanded)
- XLIV. **Monodentate chromium(III) ascorbate complexes prepared via chromate reduction in THF**
Zumreoglu-Karan B., Ay A. N., Unaleroglu C.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.32, no.6, pp.1071-1084, 2002 (SCI-Expanded)
- XLV. **Ascorbic acid as a potential masking agent in the tanning process. Olated chromium complexes involving ligating ascorbate and bridging sulfate groups**
Zumreoglu-Karan B., Unaleroglu C., Ay A. N.
TRANSITION METAL CHEMISTRY, vol.27, no.4, pp.437-441, 2002 (SCI-Expanded)
- XLVI. **Lead tetraacetate mediated one-pot multistage transformations: Theoretical studies on the diverging behavior in the Hajos-Parrish and Wieland-Miescher series**
Unaleroglu C., Aviyente V., Arseniyadis S.
JOURNAL OF ORGANIC CHEMISTRY, vol.67, no.8, pp.2447-2452, 2002 (SCI-Expanded)
- XLVII. **Zinc ascorbate: a combined experimental and computational study for structure elucidation**
Unaleroglu C., Zumreoglu-Karan B., Mert Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.605, pp.227-233, 2002 (SCI-Expanded)
- XLVIII. **A facile synthesis and characterization of the novel 2,2-dichloro-1-[3-(2,2-dichloro-acetyl)-2-(4-methoxy-phenyl)-imidazolidin-1-yl]-ethanone**
UNALEROĞLU C., TEMELLI B., Hokelek T.
SYNTHETIC COMMUNICATIONS, vol.32, no.21, pp.3255-3261, 2002 (SCI-Expanded)
- XLIX. **The crystal structure and conformational analysis of N,N '-bis(5-bromo-2-hydroxybenzylidene)ethylenediamine**
UNALEROĞLU C., Hokelek T.

SPECTROSCOPY LETTERS, vol.35, no.2, pp.317-326, 2002 (SCI-Expanded)

- L. **Synthesis and characterization of copper ascorbate**
Unaleroglu C., Mert Y., Zumreoglu-Karan B.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.31, no.9, pp.1531-1543, 2001 (SCI-Expanded)
- LI. **Conformational and structural analysis of N-N'-bis (4-methoxybenzylidene)ethylenediamine**
UNALEROGLU C., TEMELLI B., Hokelek T.
JOURNAL OF MOLECULAR STRUCTURE, vol.570, pp.91-95, 2001 (SCI-Expanded)
- LII. **Crystal structure of N,N-bis(4-hydroxy-benzylidene)ethylenediamine center dot methanol**
Hokelek T., UNALEROGLU C.
ANALYTICAL SCIENCES, vol.17, no.5, pp.679-680, 2001 (SCI-Expanded)
- LIII. **Crystal structure of [bis(N,N,N',N'-tetramethylethylenediamine)-O,O'-mu-O,O'-oxalato]dihydroxy dicopper(II)**
Hokelek T., UNALEROGLU C., MERT Y.
ANALYTICAL SCIENCES, vol.16, no.11, pp.1235-1236, 2000 (SCI-Expanded)
- LIV. **N,N,N',N'-tetramethylethylenediammonium dichloride**
Kabak M., Elerman Y., Unaleroglu C., Mert Y., Durlu T.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.56, 2000 (SCI-Expanded)
- LV. **Crystal structure of gadolinium 3,5-dinitrobenzoate dihydrate**
Ulku D., Arici C., Tahir M., Unaleroglu C.
ANALYTICAL SCIENCES, vol.15, no.9, pp.929-930, 1999 (SCI-Expanded)
- LVI. **Samarium 3,5-dinitrobenzoate dihydrate**
Arici C., Ulku D., Tahir M., Unaleroglu C.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.55, pp.198-200, 1999 (SCI-Expanded)
- LVII. **catena-poly[[tetrakis(mu-3,5-dinitrobenzoato-O : O')dicopper(II)]bis[(mu-3,5-dinitro-benzoato-O : O')(methanol-O)copper(II)]]**
Hokelek T., MERT Y., UNALEROGLU C.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.54, pp.310-313, 1998 (SCI-Expanded)
- LVIII. **pH-Independent decomposition reactions of L-ascorbic acid in aqueous metal solutions. 2. Imaging by scanning tunneling microscopy**
Zareie M., Zencir Y., Unaleroglu C., Zumreoglu-Karan B., Piskin E.
POLYHEDRON, vol.17, no.16, pp.2633-2638, 1998 (SCI-Expanded)
- LIX. **Comments: "Synthesis and structure of [Ln(H₂O)(3)](2)(C₂O₄)(3) with Ln = Eu, Gd, Tb and Dy"**
UNALEROGLU C., ZUMREOGLU-KARAN B., ZENCIR Y., Hokelek T.
POLYHEDRON, vol.17, no.22, pp.3979-3980, 1998 (SCI-Expanded)
- LX. **pH-independent decomposition reactions of L-ascorbic acid in aqueous metal solutions .1. Formation and structures of Co-II and Gd-III oxalates**
UNALEROGLU C., ZUMREOGLU KARAN B., ZENCIR Y., Hokelek T.
POLYHEDRON, vol.16, no.13, pp.2155-2161, 1997 (SCI-Expanded)
- LXI. **Cerium 3,5-dinitrobenzoate dihydrate**
Tahir M., Ulku D., Unaleroglu C., Movsumov E.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.52, pp.1449-1451, 1996 (SCI-Expanded)
- LXII. **CHARACTERIZATION AND MAGNETIC-BEHAVIOR OF COBALT(II) AND GADOLINIUM(III) POLYACRYLATES**
UNALEROGLU C., ZUMREOGLUKARAN B., OZCAN S., FIRAT T.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.56, no.10, pp.1239-1243, 1995 (SCI-Expanded)
- LXIII. **A NEW APPROACH TO THE GEOMETRY OPTIMIZATION OF MOLECULAR-STRUCTURES - THE SLIDING-RANGE METHOD**
UNALEROGLU C., FIRAT T., BALCIOGLU N.

Refereed Congress / Symposium Publications in Proceedings

- I. **A Novel Approach to the Synthesis of Alkyl-Substituted A3B Porphyrins (Alkil-Substitüye A3B Porfirinlerin Sentezi için Yeni Bir Yaklaşım)**
ÇINAR S., SEYİTDANLIOĞLU P., Altundal G., ÜNALEROĞLU C.
Transmediterranean Colloquium on Heterocyclic Chemistry (TRAMECH IX 2017), Fez, Morocco, 22 - 25 November 2017
- II. **A NOVEL APPROACH TO THE SYNTHESIS OF NITROALKYL-SUBSTITUTED A3B PORPHYRINS**
Çınar S., SEYİTDANLIOĞLU P., Altundal G., ÜNALEROĞLU C.
TRANSMEDITRRANEAN COLLOQUIUM ON HETEROCYCLIC CHEMISTRY (TRAMECH IX 2017), 22 - 25 November 2017
- III. **Ester, Hidrazon ve Aril Azo Gruplarıyla Fonksiyonlandırılmış BODIPY Bileşikleri**
TEKNİKEL E., ÜNALEROĞLU C.
29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017
- IV. **Simetrik Olmayan Tripiran Bileşiklerinden Çıkılarak Mezo Konumunda Alifatik Nitro Grubu Taşıyan A3B Tipi Porfirinlerin Sentezi**
SEYİTDANLIOĞLU P., ÇINAR S., ÜNALEROĞLU C.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017
- V. **Genişletilmiş Porfirin Bileşiklerinin Sentezinde Substitüyant Etkisi**
ÇINAR S., ÜNALEROĞLU C.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017
- VI. **Design and Synthesis of Pyrrole and Pyridine Based Heterocycles**
ÜNALEROĞLU C.
5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Turkey, 30 March - 02 April 2017
- VII. **A New Method for the synthesis of A3B type porphyrins**
Çınar S., ÜNALEROĞLU C.
Trans Mediterranean Colloquium on Heterocyclic Chemistry TRAMECH VIII, 11 - 15 November 2015
- VIII. **HETEROAROMATICS SUBSTITUTED PHOSPHONATE ANALOGUES**
IŞIK TAŞGIN D., ÜNALEROĞLU C.
Trans Mediterranean Colloquium on Heterocyclic Chemistry TRAMECH VIII, 11 - 15 November 2015
- IX. **Utilization of Mannich bases in the Synthesis of Polysubstituted Pyridines and Nitroalkenes in the Functionalization of Oligopyrroles**
ÜNALEROĞLU C.
TRAMECH VIII, 11 - 15 November 2015
- X. **PİROLÜN KETO VİNİLFOSFONATLARA METAL TRİFLATLAR KATALİZÖRLÜĞÜNDE MICHAEL KATILMASI**
IŞIK TAŞGIN D., ÜNALEROĞLU C.
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XI. **Nitrovinil Aren Bileşiklerine Katılma Tepkimeleri ve Katılma Ürünlerinin Kimyası**
Çınar S., ÜNALEROĞLU C.
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XII. **BODIPY ler İçin Alternatif pH Algılayıcı Grup Ester**
TEKNİKEL E., ÜNALEROĞLU C.
ULUSAL ORGANİK KİMYA KONGRESİ, Turkey, 24 - 26 September 2014

Supported Projects

- ÜNALEROĞLU C., Project Supported by Higher Education Institutions, Pirolün Vinifosfonatlara Metal Triflatlar Katalizörlüğünde Michael Katılması ve Moleküllü Halkalaşma Tepkimeleri, 2011 - Continues
- ALTUNTAŞ ÖZTAŞ N., DENİZLİ A., AY A. N., GÖKOĞLU E., TOKAY N., DÜZ B., SALİH B., ÜNALEROĞLU C., ŞEN M., Project Supported by Higher Education Institutions, HACETTEPE ÜNİVERSİTESİ FEN FAKÜLTESİ KİMYA BÖLÜMÜ ÖĞRENCİ LABORATUVARLARININ VE EĞİTİMİNİN İYİLEŞTİRİLMESİ, 2017 - 2022
- ÜNALEROĞLU C., Project Supported by Higher Education Institutions, PEROVSKİT TABANLI GÜNEŞ PİLLERİNDE BOŞLUK TAŞIYICI MATERYAL SENTEZİ, 2019 - 2021
- ÜNALEROĞLU C., TEKNİKEL E., Project Supported by Higher Education Institutions, Uygulama Alanlarına Yönelik Entegre Kromofor Sistemlerin Geliştirilmesi, 2018 - 2020
- ÜNALEROĞLU C., Project Supported by Higher Education Institutions, Heterohalkalı yapıların fonksiyonlandırılması, 2017 - 2018
- GÜRPINAR Ö. A., ÜNALEROĞLU C., ONUR M. A., Project Supported by Higher Education Institutions, Fen ve Mühendislik Fakülteleri Sıvı Azot İlişkili Cihazlar ve Laboratuvarların İyileştirilmesi, 2016 - 2018
- ÜNALEROĞLU C., Çınar S., TEKNİKEL E., Project Supported by Higher Education Institutions, Yüksek pH Ölçümleri için BODIPY Tabanlı Floresan Sensörler, 2015 - 2018
- ÜNALEROĞLU C., Project Supported by Higher Education Institutions, Dipirolmetanların hegzansu karışımlarında sentezi, 2016 - 2016
- ÜNALEROĞLU C., Project Supported by Higher Education Institutions, Farklı Heteroaromatik Yapıların Sentezi, 2015 - 2015
- ÜNALEROĞLU C., TUBITAK Project, Mezo substitüye Tripiran Bileşiklerinin Sentezi ve Porfirin Kimyasındaki Uygulamalarında Yeni Sentetik Yaklaşımlar, 2011 - 2012
- ÜNALEROĞLU C., TUBITAK Project, Pirol Bileşiğinin Metal Triflat Katalizli 1 4 Katılma Tepkimeleri ve Pirolizin Türevlerinin Sentezi, 2004 - 2007
- ÜNALEROĞLU C., TUBITAK Project, N Substitüye Homokiral Pirol Bileşiklerinin Friedel Crafts Tepkimeleri, 2004 - 2006

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