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Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey 1984 - 1988

Dissertations

Doctorate, Biomimetic synthesis of aromatic natural products via polyketide intermediates, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 1988

Research Areas

Chemistry, Organic Chemistry, Chemistry of Asymmetric Synthesis, Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, 1997 - Continues

Courses

ORGANIC CHEMISTRY: REACTIONS&SYNTHESIS, Doctorate, 2018 - 2019

Advising Theses

Tanyeli C., Asymmetric organocatalytic sulfa-Michael reactions of thioglycolate with isatin derived nitroalkenes, Post Graduate, S.SAĞESEN(Student), 2018

Tanyeli C., Enantioselective decarboxylative Michael and aldol reactions with bifunctional squirmed organocatalysts, Post Graduate, E.BAYER(Student), 2018

Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, October, 2020

Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, September, 2020

Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, June, 2020

Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, January, 2020

Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, January, 2020

Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, January, 2020
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, October, 2019
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, August, 2019
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, May, 2019
Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, February, 2019
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, November, 2018
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, October, 2018
Appointment Academic Staff, Appointment Academic Staff, Ege Üniversitesi, September, 2018
Appointment Academic Staff, Appointment Academic Staff, Ege Üniversitesi, September, 2018
Appointment Academic Staff, Appointment Academic Staff, Ege Üniversitesi, September, 2018
Appointment Academic Staff, Appointment Academic Staff, Ege Üniversitesi, September, 2018
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, September, 2018
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, April, 2018
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, April, 2018
Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, March, 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Bifunctional squaramide catalyzed stereoselective Mannich reaction of alpha-azido ketones with isatin-derived ketimines**
KARAHAN S., TANYELİ C.
ORGANIC & BIOMOLECULAR CHEMISTRY, vol.18, pp.479-487, 2020 (Journal Indexed in SCI)
- **Squaramide catalyzed alpha-chiral amine synthesis**
Karahan S., TANYELİ C.
TETRAHEDRON LETTERS, vol.59, pp.3725-3737, 2018 (Journal Indexed in SCI)
- **Enantioselective sulfa-Michael addition reaction of methyl thioglycolate to chalcones derivatives with sterically encumbered quinine squaramide organocatalyst**
HASILCIOĞULLARI D., TANYELİ C.
TETRAHEDRON LETTERS, vol.59, pp.1414-1416, 2018 (Journal Indexed in SCI)
- **Asymmetric organocatalytic direct Mannich reaction of acetylacetone and isatin derived ketimines: Low catalyst loading in chiral cinchona-squaramides**
İŞİBOL D., Karahan S., TANYELİ C.
TETRAHEDRON LETTERS, vol.59, pp.541-545, 2018 (Journal Indexed in SCI)
- **Organocatalytic enantioselective construction of isatin-derived N-alkoxycarbonyl 1,3-aminonaphthols via sterically encumbered hydrocarbon-substituted quinine-based squaramide**
Karahan S., TANYELİ C.
NEW JOURNAL OF CHEMISTRY, vol.41, pp.9192-9202, 2017 (Journal Indexed in SCI)
- **Enantioselective aza-Henry reaction of t-Boc protected imines and nitroalkanes with bifunctional squaramide organocatalysts**
SUSAM D., TANYELİ C.
NEW JOURNAL OF CHEMISTRY, vol.41, pp.3555-3561, 2017 (Journal Indexed in SCI)
- **Divergent synthesis of polysubstituted isoxazoles, isoxazoline N-oxides, and dihydroisoxazoles by a one-pot cascade reaction**
Rouf A., ŞAHİN E., TANYELİ C.
TETRAHEDRON, vol.73, pp.331-337, 2017 (Journal Indexed in SCI)
- **Squaramide Based Organocatalysts in Organic Transformations**
Rouf A., TANYELİ C.
Current Organic Chemistry, 2016 (Journal Indexed in SCI Expanded)
- **Synthesis of new N-heteroaromatic attached tetraphenylethene based luminogens having aggregation induced emission and their applications in organic light emitting diodes**

ODABAŞ S., TEKİN E., TÜRKSOY F., TANYELİ C.

JOURNAL OF LUMINESCENCE, vol.176, pp.240-249, 2016 (Journal Indexed in SCI)

A bis-Lewis basic 2-aminoDMAP/prolinamide organocatalyst for application to the enantioselective synthesis of Warfarin and derivatives

IŞIK M., Akkoca H. U., Akhmedov I. M., TANYELİ C.

TETRAHEDRON-ASYMMETRY, vol.27, pp.384-388, 2016 (Journal Indexed in SCI)

SYNTHESIS OF A NEW ELECTROCHROMIC POLYMER BASED ON TETRAPHENYLETHYLENE CORED TETRAKIS CARBAZOLE COMPLEX AND ITS ELECTROCHROMIC DEVICE APPLICATION

Carbas B. B., Odabas S., Turksoy F., TANYELİ C.

ELECTROCHIMICA ACTA, vol.193, pp.72-79, 2016 (Journal Indexed in SCI)

Enantioselective Michael Addition of Nitroalkanes to Nitroalkenes Catalyzed by Chiral Bifunctional Quinine-Based Squaramides

KANBEROĞLU E., TANYELİ C.

ASIAN JOURNAL OF ORGANIC CHEMISTRY, vol.5, pp.114-119, 2016 (Journal Indexed in SCI)

Bioactive thiazole and benzothiazole derivatives

Rouf A., TANYELİ C.

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.97, pp.911-927, 2015 (Journal Indexed in SCI)

Modularly Evolved 2-AminoDMAP/Squaramides as Highly Active Bifunctional Organocatalysts in Michael Addition

Isik M., Unver M. Y., TANYELİ C.

JOURNAL OF ORGANIC CHEMISTRY, vol.80, pp.828-835, 2015 (Journal Indexed in SCI)

Stereoselective Synthesis of 1,2,3-Triazolooxazine and Fused 1,2,3-Triazolo-delta-Lactone Derivatives

Gümüş A., Mert K., TANYELİ C.

HELVETICA CHIMICA ACTA, vol.97, pp.1340-1344, 2014 (Journal Indexed in SCI)

Asymmetric aldol addition of alpha-azido ketones to ethyl pyruvate mediated by a cinchona-based bifunctional urea catalyst

Okumus S., TANYELİ C., DEMİR A. G.

TETRAHEDRON LETTERS, vol.55, pp.4302-4305, 2014 (Journal Indexed in SCI)

Chemoenzymatic route to various spirocyclic compounds based on enantiomerically enriched tertiary allylic, homoallylic, and homopropargylic alcohols

TANYELİ C., Ozdemirhan D.

TETRAHEDRON-ASYMMETRY, vol.25, pp.658-666, 2014 (Journal Indexed in SCI)

Concise synthesis, electrochemistry and spectroelectrochemistry of phthalocyanines having triazole functionality

KARACA H., SEZER S., Ozalp-Yaman S., TANYELİ C.

POLYHEDRON, vol.72, pp.147-156, 2014 (Journal Indexed in SCI)

Cu-Catalyzed Selective Mono-N-pyridylation: Direct Access to 2-AminoDMAP/Sulfonamides as Bifunctional Organocatalysts

Isik M., TANYELİ C.

JOURNAL OF ORGANIC CHEMISTRY, vol.78, pp.1604-1611, 2013 (Journal Indexed in SCI)

Umpolung strategy: Advances in catalytic C-C bond formations

EYMUR S., GÖLLÜ M., TANYELİ C.

TURKISH JOURNAL OF CHEMISTRY, vol.37, pp.586-609, 2013 (Journal Indexed in SCI)

Inexpensive and valuable: a series of new luminogenic molecules with the tetraphenylethene core having excellent aggregation induced emission properties

Odabas S., Tekin E., Turksoy F., TANYELİ C.

JOURNAL OF MATERIALS CHEMISTRY C, vol.1, pp.7081-7091, 2013 (Journal Indexed in SCI)

A method for the synthesis of pyridine-based C-2-symmetrical chiral nucleophilic organocatalysts via Pd-catalyzed coupling

Yazicioglu E. Y., TANYELİ C.

- TETRAHEDRON-ASYMMETRY, vol.23, pp.1694-1699, 2012 (Journal Indexed in SCI)
Stereoselective synthesis of gamma-lactone fused cyclopentanoids
Gumus A., TANYELİ C.
- TETRAHEDRON-ASYMMETRY, vol.23, pp.1405-1409, 2012 (Journal Indexed in SCI)
Synthesis and biological evaluation of optically active conjugated gamma- and delta-lactone derivatives
ŞARDAN M., Sezer S., GUNEL A., AKKAYA M., TANYELİ C.
- BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.22, pp.5814-5818, 2012 (Journal Indexed in SCI)
Stereoselective synthesis of optically active cyclopenta[c]pyridines and tetrahydropyridines
SEZER S., GÜMRÜKÇÜ Y., BAKIRCI I., Unver M. Y., TANYELİ C.
- TETRAHEDRON-ASYMMETRY, vol.23, pp.662-669, 2012 (Journal Indexed in SCI)
Functionalization of poly-SNS-anchored carboxylic acid with Lys and PAMAM: surface modifications for biomolecule immobilization/stabilization and bio-sensing applications
DEMİRÇİ S., EMRE F. B., EKİZ F., OĞUZKAYA F., TİMUR S., TANYELİ C., Toppare L.
- ANALYST, vol.137, pp.4254-4261, 2012 (Journal Indexed in SCI)
The effect of the donor unit on the optical properties of polymers
UNVER E. K., TARKUC S., Udum Y. A., TANYELİ C., Toppare L.
- ORGANIC ELECTRONICS, vol.12, pp.1625-1631, 2011 (Journal Indexed in SCI)
Synthesis of L-prolinol substituted novel optically active phthalocyanines
KARACA H., Sezer S., TANYELİ C.
- DYES AND PIGMENTS, vol.90, pp.100-105, 2011 (Journal Indexed in SCI)
Stereoselective synthesis of optically active dihydrofurans and dihydropyrans via a ring closing metathesis reaction
ÇAYİR M., Demirci S., Sezer S., TANYELİ C.
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Synthesis of new donor-acceptor polymers containing thiadiazoloquinoxaline and pyrazinoquinoxaline moieties: low-band gap, high optical contrast, and almost black colored materials
Unver E. K., Tarkuc S., BARAN D., TANYELİ C., Toppare L.
- TETRAHEDRON LETTERS, vol.52, pp.2725-2729, 2011 (Journal Indexed in SCI)
Synthesis and application of poly-SNS-anchored carboxylic acid: a novel functional matrix for biomolecule conjugation
Ekiz F., Oguzkaya F., Akin M., TİMUR S., TANYELİ C., Toppare L.
- JOURNAL OF MATERIALS CHEMISTRY, vol.21, pp.12337-12343, 2011 (Journal Indexed in SCI)
The effect of changes in pi-conjugated terthienyl systems using thienyl and ethylenedioxybenzene functionalized thieno[3,4-b]pyrazine precursors: Multicolored low band gap polymers
Tarkuc S., Unver E. K., Udum Y. A., TANYELİ C., Toppare L.
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Effect of Conjugated Core Building Block Dibenzo[a,c]phenazine Unit on pi-Conjugated Electrochromic Polymers: Red-Shifted Absorption
Unver E. K., Tarkuc S., Udum Y. A., TANYELİ C., Toppare L.
- JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, pp.1714-1720, 2010 (Journal Indexed in SCI)
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Gumus A., TANYELİ C.
- HELVETICA CHIMICA ACTA, vol.93, pp.1882-1893, 2010 (Journal Indexed in SCI)
Electrochromic Properties of a Copolymer of 1-4-Di[2,5-di(2-thienyl)-1H-1-pyrrolyl]benzene with

EDOT

KIRALP S., ÇAMURLU P., GUNBAS G., TANYELİ C., AKHMEDOV I., Toppare L.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.112, pp.1082-1087, 2009 (Journal Indexed in SCI)

● **Stereoselective synthesis of spirocyclic cyclopentapyrans by the Pauson-Khand reaction on camphor tethered enynes**

Sezer S., Gumrukcu Y., ŞAHİN E., TANYELİ C.

● TETRAHEDRON-ASYMMETRY, vol.19, pp.2705-2710, 2008 (Journal Indexed in SCI)

● **Electrochromic properties of poly (1-(phenyl)-2,5-di(2-thienyl)-1H-pyrrole-co-3,4-ethylenedioxy thiophene) and its application in electrochromic devices**

TARKUC S., SAHMETLIOĞLU E., TANYELİ C., Akhmedov I. M. , TOPPARE L. K.

● OPTICAL MATERIALS, vol.30, pp.1489-1494, 2008 (Journal Indexed in SCI)

● **Fine tuning of color via copolymerization and its electrochromic device application**

ÇAMURLU P., Sahmetlioglu E., Sahin E., Akhmedov I. M. , TANYELİ C., Toppare L.

● THIN SOLID FILMS, vol.516, pp.4139-4144, 2008 (Journal Indexed in SCI)

● **Optoelectrochemical properties of the copolymer of 2,5-di(4-methylthiophen-2-yl)-1-(4-nitrophenyl)-1H-pyrrole monomer with 3,4-ethylenedioxythiophene**

AK M., Tanyeli C., Akhmedo D. M. , Toppare L.

● THIN SOLID FILMS, vol.516, pp.4334-4341, 2008 (Journal Indexed in SCI)

● **A fast switching, low band gap, p- and n-dopable, donor-acceptor type polymer**

Gunbas G. E. , ÇAMURLU P., Akhmedov I. M. , TANYELİ C., ÖNAL A. M. , Toppare L.

● JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.615, pp.75-83, 2008 (Journal Indexed in SCI)

● **Multichromic conducting copolymer of 1-benzyl-2,5-di(thiophen-2-yl)-1H-pyrrole with EDOT**

ÇAMURLU P., Tarkuc S., ŞAHMETLİOĞLU E., AKHMEDOV I. M. , TANYELİ C., Toppare L.

● SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol.92, pp.154-159, 2008 (Journal Indexed in SCI)

● **A soluble conducting polymer of 4-(2,5-di(thiophen-2-yl)-1H-pyrrol-1-yl)benzenamine and its multichromic copolymer with EDOT**

YILDIZ E., ÇAMURLU P., TANYELİ C., AKHMEDOV I., Toppare L.

● JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.612, pp.247-256, 2008 (Journal Indexed in SCI)

● **Base mediated aromatization of carbonyl condensation products derived from 2-(2-bromoprop-2-enyl)cyclohexanone derivatives via 'intramolecular unsaturation transfer'**

Yazicioglu E. Y. , Akhmedov I. M. , TANYELİ C.

● HELVETICA CHIMICA ACTA, vol.91, pp.1148-1155, 2008 (Journal Indexed in SCI)

● **Enhancing electrochromic properties of conducting polymers via copolymerization: Copolymer of 1-(4-fluorophenyl)-2,5-di(thiophen-2-yl)-1H-pyrrole with 3,4-ethylene dioxythiophene**

Turkarslan O., Ak M., Tanyeli C., Akhmedov I. M. , Toppare L.

● JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.45, pp.4496-4503, 2007 (Journal Indexed in SCI)

● **Asymmetric synthesis of novel 1,4-aminoalcohol ligands with norbornene and norbornane backbone: use in the asymmetric diethylzinc addition to benzaldehyde**

TANYELİ C., Odabas S., ERDEM M., ÇAKIR E., KESKİN E.

● TETRAHEDRON-ASYMMETRY, vol.18, pp.2349-2357, 2007 (Journal Indexed in SCI)

● **Electrochromic properties of a soluble conducting polymer: Poly(1-(4-fluorophenyl)-2,5-di(thiophen-2-yl)-1H-pyrrole)**

ARSLAN A., Tuerkarslan O., Tanyeli C., Akhmedov I. M. , Toppare L.

● MATERIALS CHEMISTRY AND PHYSICS, vol.104, pp.410-416, 2007 (Journal Indexed in SCI)

● **Electrochromic properties of a novel low band gap conductive copolymer**

Yigitsoy B., Varis S., Tanyeli C., Akhmedov I. M. , Toppare L.

● ELECTROCHIMICA ACTA, vol.52, pp.6561-6568, 2007 (Journal Indexed in SCI)

● **A novel multielectrochromic copolymer based on 1-(4-nitrophenyl)-2,5-di(2-thienyl)-1H-pyrrole and EDOT**

Varis S., Ak M., Akhmedov I. M. , Tanyeli C., Toppare L.

- JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.603, pp.8-14, 2007 (Journal Indexed in SCI)
A soluble conducting polymer of 2,5-di(thiophen-2-yl)-1-p-tolyl-1H-pyrrole and its electrochromic device
 YİĞİT SOY B., VARİS S., Tanyeli C., Akhmedov I. M., Toppare L.
- THIN SOLID FILMS, vol.515, pp.3898-3904, 2007 (Journal Indexed in SCI)
Electrochromic properties of a soluble conducting polymer of 1-benzyl-2,5-di(thiophene-2-yl)-1H-pyrrole
 Tarkuc S., Sahmetlioglu E., Tanyeh C., Akhmedov I. M., Toppare L.
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Synthesis and characterization of a new soluble conducting polymer and its electrochromic device
 Varis S., Ak M., Tanyeli C., Akhmedov I. M., Toppare L.
- SOLID STATE SCIENCES, vol.8, pp.1477-1483, 2006 (Journal Indexed in SCI)
Stereoselective synthesis of optically active cyclitol precursors via a chemoenzymatic method
 Oguzkaya F., Sahin E., Tanyeli C.
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 Varis S., Ak M., Tanyeli C., Akhmedov I. M., Toppare L.
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 ISLEYEN A., Tanyeli C., Dogan O.
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The first enzymatic resolution of quaternary alpha-acetoxy alpha-substituted cyclic ketones
 Tanyeli C., Akhmedov I. M., İYİĞÜN C.
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Chemoenzymatic synthesis of enantiomerically enriched 2-oxobicyclo[m.1.0]alkan-3-yl acetate derivatives
 ÖZDEMİRHAN F. D., ÇELİK M., ATLI S., Tanyeli C.
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 Tanyeli C., Ozdemirhan D.

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TÜRKMEN Y. E. , Akhmedov I., Tanyeli C.
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Corrigendum to Resolution of anti 2 3 dioxabicyclo 2 2 2 oct 7 en 5 ol via Candida cylindracea lipase synthesis of and proto quercitol Tetrahedron Asymmetry 15 2004 453
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GÜLTEKİN M. S. , Celik M., TURKUT E., Tanyeli C., BALCI M.
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Tanyeli C., KARADAĞ T., AKHMEDOV İ. M.
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Mn(III) acetate-mediated regioselective benzylation of various alpha,beta-unsaturated and beta-alkoxy-alpha,beta-unsaturated ketones
Tanyeli C., Ozdemirhan D.
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Tetrahedron, vol.58, pp.9983-9988, 2002 (Journal Indexed in SCI)

● **ROMP-polymers, in asymmetric catalysis: The role of the polymer backbone**

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