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Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya / Anorganik Kimya, Türkiye 2006 - 2012

Yüksek Lisans, Recep Tayyip Erdoğan Üniversitesi, Fen Bilimleri Enstitüsü, Kimya / Anorganik Kimya, Türkiye 2002 - 2006

Lisans, Ankara Üniversitesi, Fen Fakültesi, Kimya, Türkiye 1997 - 2001

Yabancı Diller

İngilizce, B1 Orta

Yaptığı Tezler

Doktora, TRİFENİL İMİDAZOL GRUBU TAŞIYAN YENİ PERİFERAL TİP FTALOSİYANİNLERİN SENTEZİ
KARAKTERİZASYONU VE SPEKTROSKOPİK İNCELENMESİ , Karadeniz Teknik Üniversitesi, Güneysu Fizik Tedavi ve
Rehabilitasyon Yüksekokulu, Kimya / Anorganik Kimya, 2012

Yüksek Lisans, BAZI BİTKİSEL YAĞLARDAN BİYODİZEL ÜRETİMİ, Karadeniz Teknik Üniversitesi, Güneysu Fizik Tedavi ve
Rehabilitasyon Yüksekokulu, Kimya / Anorganik Kimya, 2006

Araştırma Alanları

Kimya, İnorganik Kimya, Koordinasyon Kimyası, Yeni Ligandlar, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Recep Tayyip Erdoğan Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2019 - Devam Ediyor

Doç.Dr., Recep Tayyip Erdoğan Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2014 - 2019

Yrd.Doç.Dr., Recep Tayyip Erdoğan Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2014 - 2014

Uzman, Recep Tayyip Erdoğan Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2009 - 2013

Akademik İdari Deneyim

Rektörlüğe Bağlı Koordinatör, Recep Tayyip Erdoğan Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2020 - Devam Ediyor

Bölüm Başkanı, Recep Tayyip Erdoğan Üniversitesi, Rektörlük, Beden Eğitimi ve Spor, 2017 - Devam Ediyor

Merkez Müdürü, Recep Tayyip Erdoğan Üniversitesi, 2015 - Devam Ediyor

Verdiği Dersler

Dönem Projesi, Lisans, 2020 - 2021

Spektroskopik Analize Giriş, Lisans, 2019 - 2020

Organometalik Kimya, Doktora, 2019 - 2020

İleri Yüzey Analiz Teknikleri, Doktora, 2019 - 2020

Metaller Kimyası, Lisans, 2020 - 2021

Mühendislik Kimyası, Lisans, 2020 - 2021

Seminer, Yüksek Lisans, 2017 - 2018

Spektroskopik Analize Giriş, Lisans, 2017 - 2018

Magneto Kimya, Yüksek Lisans, 2017 - 2018, 2016 - 2017

IR Spektroskopisi, Yüksek Lisans, 2017 - 2018

Tekstil ve Boyar Maddeler Kimyası, Lisans, 2017 - 2018

İleri Anorganik Kimya I, Yüksek Lisans, 2017 - 2018, 2016 - 2017

Bitirme Çalışması, Lisans, 2016 - 2017

Kütle Spektroskopisi, Yüksek Lisans, 2017 - 2018, 2016 - 2017

Anorganik Kimya Laboratuvarı II, Lisans, 2017 - 2018, 2016 - 2017

Metaller Kimyası, Lisans, 2016 - 2017

Makrosiklik Yapı ve Reaksiyonları, Doktora, 2016 - 2017

Ametaller Kimyası, Yüksek Lisans, 2015 - 2016

Magnetokimya, Yüksek Lisans, 2015 - 2016

Kütle Spektroskopisi, Yüksek Lisans, 2015 - 2016, 2014 - 2015

Yönetilen Tezler

Akçay H. T., Yeni periferik tip ftalosiyaniinle katkılandırılmış ZnO partiküllerin sentezi karakterizasyonu ve fotokatalitik özelliklerinin incelenmesi, Yüksek Lisans, H.TURAN(Öğrenci), 2019

Jüri Üyelikleri

Tez Savunma (Yüksek Lisans), Yüksek Lisans Tez Jüriliği, Recep Tayyip Erdoğan Üniversitesi, Temmuz, 2015

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Preparation and characterization of the highly efficient tetraphenylimidazole substituted Phthalocyanine/ZnO composite and investigation of its effect on the photocatalytic degradation of Rhodamine B and 2,4,6-trichlorophenol
KARAOĞLU K., Yüzüak G. D., YÜZÜAK E., Turan H., AKÇAY H. T.

Materials Science in Semiconductor Processing, cilt.177, 2024 (SCI-Expanded)

- II. **Production and characterization of activated carbon foams with various activation agents for electrochemical double layer capacitors (EDLCs) applications**
ÖZÇİFÇİ Z., EMİRİK M., AKÇAY H. T., YUMAK T.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, cilt.690, 2024 (SCI-Expanded)
- III. **Microplastics in branded milk: Dietary exposure and risk assessment**
BAŞARAN B., ÖZÇİFÇİ Z., AKÇAY H. T., AYTAN Ü.
Journal of Food Composition and Analysis, cilt.123, 2023 (SCI-Expanded)
- IV. **A new activated carbon-supported Pd-ZnO catalyst for Heck Cross-coupling reactions**
KARAOĞLU K., ÖZÇİFÇİ Z., ÇALIŞKAN M., TÜRKER AKÇAY H. T., BARAN T.
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.154, 2023 (SCI-Expanded)
- V. **Treatment of wastewater containing organic pollutants in the presence of N-doped graphitic carbon and Co3O4/peroxymonosulfate**
AKÇAY H. T., DEMİR A., ÖZÇİFÇİ Z., YUMAK T., KELEŞ T.
CARBON LETTERS, cilt.33, sa.5, ss.1445-1460, 2023 (SCI-Expanded)
- VI. **Sucrose-based activated carbon foams as an electrode active material for supercapacitors**
ÖZÇİFÇİ Z., OZSANLI M. A., AKÇAY H. T., YUMAK T.
JOURNAL OF POROUS MATERIALS, cilt.30, sa.3, ss.797-810, 2023 (SCI-Expanded)
- VII. **Microplastic contamination and risk assessment in table salts: Turkey**
ÖZÇİFÇİ Z., BAŞARAN B., AKÇAY H. T.
FOOD AND CHEMICAL TOXICOLOGY, cilt.175, 2023 (SCI-Expanded)
- VIII. **Novel peripheral and non-peripheral oxobenzod[4]thiazol substituted cobalt phthalocyanines: Synthesis, electrochemistry, spectroelectrochemistry, electrocatalytic hydrogen production in alkaline medium**
AKYUZ D., ÖZÇİFÇİ Z., MENTEŞE E., AKÇAY H. T.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.924, 2022 (SCI-Expanded)
- IX. **Synthesis, characterization, photophysical and photochemical properties of peripherally tetra-1,2,4-triazol-3-ylthio substituted metal-free phthalocyanine and its zinc(II) and lead(II) derivatives**
DEMİRBAŞ Ü., YANIK H., AKÇAY H. T., DURMUŞ M., BEKİRCAN O., KANTEKİN H.
JOURNAL OF COORDINATION CHEMISTRY, cilt.75, sa.3-4, ss.448-456, 2022 (SCI-Expanded)
- X. **Catalytic activity of palladium doped activated carbon from waste coffee on some environmental pollutants**
KARAOĞLU K., ÖZÇİFÇİ Z., ÇALIŞKAN M., BARAN T., AKÇAY H. T.
MATERIALS CHEMISTRY AND PHYSICS, cilt.282, 2022 (SCI-Expanded)
- XI. **Metallo-phthalocyanines containing triazole substituents: Synthesis, spectroscopic and photophysicochemical properties**
DEMİRBAŞ Ü., OZTURK D., AKÇAY H. T., DURMUŞ M., MENTEŞE E., KANTEKİN H.
JOURNAL OF COORDINATION CHEMISTRY, cilt.75, ss.629-636, 2022 (SCI-Expanded)
- XII. **Mesoporous chromium oxide doped palladium catalysis for cyanation reaction of some aryl halides**
KARAOĞLU K., AKÇAY H. T., ÖZÇİFÇİ Z., ÇALIŞKAN M., BARAN T.
CERAMICS INTERNATIONAL, cilt.47, sa.19, ss.27816-27821, 2021 (SCI-Expanded)
- XIII. **Synthesis, electrochemical and in-situ spectroelectrochemical properties of 1,2,4 triazole containing metallo-phthalocyanines**
AKYUZ D., DEMİRBAŞ Ü., KOCA A., AKÇAY H. T., MENTEŞE E., KANTEKİN H.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.99, ss.99-108, 2021 (SCI-Expanded)
- XIV. **Synthesis, characterization, photophysical and photochemical properties of peripherally tetra benzodioxane substituted metal-free phthalocyanine and its zinc(II) and magnesium(II) derivatives**
DEMİRBAŞ Ü., OMEROGU I., AKÇAY H. T., DURMUŞ M., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1223, 2021 (SCI-Expanded)
- XV. **Synthesis, Characterization and Investigation of Electrochemical and Spectroelectrochemical Properties of Peripherally Tetra Diethoxypropan Substituted Phthalocyanines**

Akyuz D., AKÇAY H. T., BAYRAK R.

ELECTROANALYSIS, cilt.33, sa.1, ss.146-151, 2021 (SCI-Expanded)

- XVI. **The determination of molecular dynamic properties of Novel 5-oxo-1,2,4-triazole phthalocyanines and investigation of their urease inhibition properties**
KAYA M., MENTEŞE E., Sokmen B. B., AKÇAY H. T.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1222, 2020 (SCI-Expanded)
- XVII. **Electrochemistry of novel tetra peripherally and non-peripherally substituted phthalocyanines bearing morpholine groups**
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T., KOCA A., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.924, 2020 (SCI-Expanded)
- XVIII. **The novel Zn(II) phthalocyanines: Synthesis, characterization, photochemical, DNA interaction and cytotoxic/phototoxic properties**
Barut B., Yalçın C. Ö., Demirbaş Ü., Akçay H. T., Kantekin H., Özel A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1218, 2020 (SCI-Expanded)
- XIX. **Synthesis, characterization and electrochemistry of 1-phenoxypropan-2-yloxy substituted phthalocyanines**
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.923, 2020 (SCI-Expanded)
- XX. **Electrochemistry of Novel Phthalocyanines Bearing 1,2,4 Triazole Groups**
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T., MENTEŞE E., KOCA A., KANTEKİN H.
ELECTROANALYSIS, cilt.32, sa.7, ss.1433-1438, 2020 (SCI-Expanded)
- XXI. **Novel phthalocyanines bearing 1,2,4 triazole substituents: Synthesis, characterization, photophysical and photochemical properties**
DEMİRBAŞ Ü., Ozciftci Z., Akçay H. T., MENTEŞE E.
POLYHEDRON, cilt.181, 2020 (SCI-Expanded)
- XXII. **Synthesis and spectroscopic characterization of novel methoxy bridged benzimidazolyl-substituted phthalocyanines as potent inhibitors of urease**
Akçay H. T., Mentese E., Sokmen B. B.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.228, 2020 (SCI-Expanded)
- XXIII. **Photophysical and photochemical study on novel axially chalcone substituted silicon (IV) phthalocyanines**
KAHRİMAN N., ÜNVER Y., Akçay H. T., Gulmez A. D., DURMUŞ M., DEĞİRMENCİOĞLU İ.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1200, 2020 (SCI-Expanded)
- XXIV. **Non-peripherally tetra substituted phthalocyanines bearing benzodioxane moieties: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
DEMİRBAŞ Ü., Akyuz D., Akçay H. T., KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1189, ss.234-239, 2019 (SCI-Expanded)
- XXV. **A Novel Highly Porous Cellulosic Aerogel Regenerated by Solvent Exchange Mechanism**
KAYA M., DEMİR A., AKÇAY H. T.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, cilt.27, sa.8, ss.1801-1806, 2019 (SCI-Expanded)
- XXVI. **Novel triazole substituted phthalocyanines showing high singlet oxygen quantum yields**
DEMİRBAŞ Ü., Bayrak R., DİLBER G., MENTEŞE E., Akçay H. T.
JOURNAL OF LUMINESCENCE, cilt.206, ss.199-204, 2019 (SCI-Expanded)
- XXVII. **Non-peripherally tetra substituted lead(II), nickel(II) and copper(II) phthalocyanines bearing [1,2,3] triazole moieties: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
DEMİRBAŞ Ü., Akyuz D., Akçay H. T., KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1176, ss.695-702, 2019 (SCI-Expanded)
- XXVIII. **Novel 1,2,4-triazole substituted metallo-phthalocyanines: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**

- DEMİRBAŞ Ü., Akyuz D., AKÇAY H. T., KOCA A., Mentese E., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1173, ss.205-212, 2018 (SCI-Expanded)
- XXIX. **Synthesis of some new Methoxy Bridged Benzimidazolyl-Substituted phthalocyanines as potent inhibitors of urease**
DEMİRBAŞ Ü., Mentese E., Sokmen B. B., Bayrak R., AKÇAY H. T.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.873, ss.86-90, 2018 (SCI-Expanded)
- XXX. **Crystal Structure of 4-[(4-Ethyl-5-Phenyl-4H-1,2,4-Triazol-3-yl)Sulfanyl]Phthalonitrile**
Ustabas R., Coruh U., Akcay H. T., Mentese E., VAZQUEZ-LOPEZ E. M.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.59, sa.5, ss.1205-1209, 2018 (SCI-Expanded)
- XXXI. **Electrochemical and spectroelectrochemical study on novel non-peripherally tetra 1,2,4-triazole substituted phthalocyanines**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T., KOCA A., BEKİRCAN O., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1155, ss.380-388, 2018 (SCI-Expanded)
- XXXII. **Photophysical and photochemical study on the tetra 4-isopropylbenzyloxy substituted phthalocyanines**
Yalcin I., Yanik H., Akcay H. T., DEĞİRMENCİOĞLU İ., Durmus M.
JOURNAL OF LUMINESCENCE, cilt.192, ss.739-744, 2017 (SCI-Expanded)
- XXXIII. **Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties of non-peripherally tetra-5-methyl-1,3,4-thiadiazole substituted copper(II) iron(II) and oxo-titanium (IV) phthalocyanines**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T., Barut B., KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1144, ss.112-119, 2017 (SCI-Expanded)
- XXXIV. **Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties of peripherally tetra 4-phenylthiazole-2-thiol substituted metal-free, zinc(II), copper(II) and cobalt(II) phthalocyanines**
DEMİRBAŞ Ü., AKÇAY H. T., KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1141, ss.643-649, 2017 (SCI-Expanded)
- XXXV. **Detection of Fe²⁺ in acetonitrile/water mixture by new 8-hydroxyquinolin based sensor through metal displacement mechanism**
KARAOĞLU K., Akcay H. T., Yılmaz İ.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1133, ss.492-498, 2017 (SCI-Expanded)
- XXXVI. **A spectroscopic study on new phthalonitrile derivative and its computational background: 4-[(4,5-Diphenyl-4H-1,2,4-triazol-3-yl)sulfanyl]benzene-phthalonitrile**
Akcay H. T., Coruh U., Bayrak R., MENTESE E., Vazquez Lopez E. M.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1127, ss.539-548, 2017 (SCI-Expanded)
- XXXVII. **Synthesis, characterisation, photophysical and photochemical properties of free-base tetra-(5-chloro-2-(2,4-dichlorophenoxy) phenoxy)phthalocyanine and respective zinc(II) and lead(II) complexes**
DEMİRBAŞ Ü., PİŞKİN M., Akcay H. T., Barut B., Durmus M., KANTEKİN H.
SYNTHETIC METALS, cilt.223, ss.166-171, 2017 (SCI-Expanded)
- XXXVIII. **Substituted phthalocyanines and their electropolymerization properties**
Bayrak R., AKÇAY H. T., BIYIKLIOĞLU Z., DEĞİRMENCİOĞLU İ.
SYNTHETIC METALS, cilt.220, ss.643-652, 2016 (SCI-Expanded)
- XXXIX. **Synthesis, characterization, electrochemical and spectroelectrochemical properties of novel peripherally tetra-1,2,4-triazole substituted phthalocyanines**
DEMİRBAŞ Ü., Kobak R. Z. U., Akcay H. T., Unluer D., KOCA A., ÇELİK F., KANTEKİN H.
SYNTHETIC METALS, cilt.215, ss.68-76, 2016 (SCI-Expanded)
- XL. **The electrochemical and spectroelectrochemical properties of metal free and metallophthalocyanines containing triazole/piperazine units**
DEMİRBAŞ Ü., Akyuz D., Mermer A., Akcay H. T., DEMİRBAŞ N., KOCA A., KANTEKİN H.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.153, ss.478-487, 2016

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- XLII. **4-(4-((5-Amino-1,3,4-thiadiazol-2-yl)methoxy) phenyl)-1-((5-amino-1,3,4-thiadiazol-2-yl)methyl)-3-benzyl-1H-1,2,4-triazol-5(H)-one: Synthesis, Characterization and Computational Studies**
Unluer D., ÜNVER Y., Dugdu E., Akcay H. T., SANCAK K.
LETTERS IN ORGANIC CHEMISTRY, cilt.13, sa.8, ss.604-617, 2016 (SCI-Expanded)
- XLIII. **EXPERIMENTAL AND THEORETICAL STUDIES OF 4-[(4-METHYL-5-PHENYL-4H-1,2,4-TRIAZOL-3-YL)SULFANYL]BENZENE-1,2-DICARBONITRILE**
Coruh U., Ustabas R., Akcay H. T., MENTESE E., VAZQUEZ LOPEZ E. M.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, cilt.35, sa.2, ss.169-177, 2016 (SCI-Expanded)
- XLIV. **Simultaneous separation and preconcentration of Cd(II), Co(II), and Ni(II) ions in environmental samples by carrier element-free coprecipitation method prior to their flame atomic absorption spectrometric determination**
DURAN C., Ozdes D., Akcay H. T., Serencam H., Tufekci M.
DESALINATION AND WATER TREATMENT, cilt.53, sa.2, ss.390-397, 2015 (SCI-Expanded)
- XLV. **Synthesis, aggregation and spectroscopic studies of novel water soluble metal free, zinc, copper and magnesium phthalocyanines and investigation of their anti-bacterial properties**
Bayrak R., Akcay H. T., BERIS F. Ş., ŞAHİN E., BAYRAK H., DEMİRBAŞ Ü.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.133, ss.272-280, 2014 (SCI-Expanded)
- XLVI. **Computational studies on the anastrozole and letrozole, effective chemotherapy drugs against breast cancer**
Akcay H. T., Bayrak R.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.122, ss.142-152, 2014 (SCI-Expanded)
- XLVII. **Novel triazole bearing zinc(II) and magnesium(II) metallo-phthalocyanines: Synthesis, characterization, photophysical and photochemical properties**
Akcay H. T., Piskin M., DEMİRBAŞ Ü., Bayrak R., Durmus M., Mentese E., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.745, ss.379-386, 2013 (SCI-Expanded)
- XLVIII. **Experimental and computational studies on 4-[(3,5-dimethyl-1H-pyrazol-1-yl)methoxy]phthalonitrile and synthesis and spectroscopic characterization of its novel phthalocyanine magnesium(II) and tin(II) metal complexes**
Akcay H. T., Bayrak R., ŞAHİN E., Karaoglu K., DEMİRBAŞ Ü.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.114, ss.531-540, 2013 (SCI-Expanded)
- XLIX. **Synthesis, characterization and electrical properties of peripherally tetra-aldazine substituted novel metal free phthalocyanine and its zinc(II) and nickel(II) complexes**
Bayrak R., DUMLUDAĞ F., Akcay H. T., DEĞİRMENCİOĞLU İ.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.105, ss.550-556, 2013 (SCI-Expanded)
- L. **Synthesis, electrochemical and spectroelectrochemical properties of peripherally tetra-imidazole substituted metal free and metallophthalocyanines**
Akcay H. T., Bayrak R., DEMİRBAŞ Ü., KOCA A., KANTEKİN H., DEĞİRMENCİOĞLU İ.
DYES AND PIGMENTS, cilt.96, sa.2, ss.483-494, 2013 (SCI-Expanded)
- LI. **Synthesis, photophysical and photochemical properties of novel tetra substituted metal free and metallophthalocyanines bearing triazine units**
DEMİRBAŞ Ü., Bayrak R., Piskin M., Akcay H. T., Durmus M., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.724, ss.225-234, 2013 (SCI-Expanded)
- LII. **Azine-bridged binuclear metallophthalocyanines functioning photophysical and photochemical-responsive**
Bayrak R., Akcay H. T., Piskin M., Durmus M., DEĞİRMENCİOĞLU İ.

DYES AND PIGMENTS, cilt.95, sa.2, ss.330-337, 2012 (SCI-Expanded)

- LII. **Synthesis, characterization and spectroscopic studies of novel peripherally tetra-imidazole substituted phthalocyanine and its metal complexes, the computational and experimental studies of the novel phthalonitrile derivative**
Akçay H. T., Bayrak R., KARSLIOĞLU S., ŞAHİN E.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.713, ss.1-10, 2012 (SCI-Expanded)
- LIII. **Optimization process for biodiesel production from some Turkish vegetable oils and determination fuel properties**
Akçay H. T., KARSLIOĞLU S.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, cilt.28, sa.2, ss.861-868, 2012 (SCI-Expanded)
- LIV. **Synthesis, photophysical and photochemical properties of highly soluble phthalocyanines substituted with four 3,5-dimethylpyrazole-1-methoxy groups**
Bayrak R., AKÇAY H. T., Durmuş M., DEĞİRMENCİOĞLU İ.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **EFFECT OF BENZIL ADDITION ON THE MAGNETIC LEVITATION FORCE OF MgB₂ SUPERCONDUCTORS**
ABDİOĞLU M., GÜNER S. B., ÖZTÜRK U. K., ÇELİK Ş., AKÇAY H. T.
7th International Conference on Superconductivity and Magnetism (ICSM2021), Türkiye, 21 Ekim 2021
- II. **Photophysical and Photochemical Properties of Novel Silicon (IV) Phthalocyanine-Chalcone Hybrid Compound**
KAHRİMAN N., ÜNVER Y., DEĞİRMENCİOĞLU İ., AKÇAY H. T., DURMUŞ M., GÜLMEZ A. D.
INTERNATIONAL EUROASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Türkiye, 26 - 27 Nisan 2018, ss.1151
- III. **Synthesis of New Axially Chalcone Substituted Silicon (IV) Phthalocyanine and Investigation of Photophysical and Photochemical Properties**
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