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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: N-1682-2014

ScopusID: 55772233200

Yoksis Araştırmacı ID: 152274

Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Türkiye 2004 - 2010

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Yl), Türkiye 2000 - 2004

Lisans, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 1995 - 2000

Yabancı Diller

İngilizce

Yaptığı Tezler

Doktora, Periferal donör gruplar içeren ftalosiyinlerle multimetallik kompleksler, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2010

Yüksek Lisans, alfa-naftiloksi sübstitüentli yeni ftalsiyinlerin sentezi ve özelliklerinin incelenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Yl), 2004

Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, Fen-Edebiyat, Kimya, 2003 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Design of N-heterocycle based-phthalonitrile/metal phthalocyanine-silver nanoconjugates for cancer therapies**

Öney Ö. İ., Yenilmez H. Y., BAHAR D., Öztürk N. F., Altuntaş Bayır Z.

- Dalton Transactions, cilt.52, sa.37, ss.13119-13128, 2023 (SCI-Expanded)
- II. **Silicon Phthalocyanines as Anti-infectious, Antioxidant, and Anticancer Agents**
Yenilmez H. Y., Farajzadeh N., Tollu G., KUŞÇULU N., BAHAR D., Özdemir S., Bayır Z.
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- III. **Effect of Axial Ligand Length on Biological and Anticancer Properties of Axially Disubstituted Silicon Phthalocyanines**
Yenilmez H. Y., Farajzadeh N., Güler Kuşçulu N., BAHAR D., Özdemir S., Tollu G., GÜLLÜ M., Altuntaş Bayır Z.
Chemistry and Biodiversity, cilt.20, sa.4, 2023 (SCI-Expanded)
- IV. **Sonophotochemical and photochemical efficiency of thiazole-containing metal phthalocyanines and their gold nanoconjugates**
Farajzadeh N., Yenilmez H. Y., YAŞA ATMACA G., ERDOĞMUŞ A., Altuntaş Bayır Z.
Turkish Journal of Chemistry, cilt.47, sa.5, ss.1085-1102, 2023 (SCI-Expanded)
- V. **Anticancer activity of novel silicon phthalocyanines against the colorectal adenocarcinoma cell line (DLD-1)**
Farajzadeh N., KUŞÇULU N., Yenilmez H. Y., BAHAR D., Bayır Z.
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- VI. **Anticancer and biological properties of new axially disubstituted silicon phthalocyanines**
Farajzadeh N., KUŞÇULU N., Yenilmez H. Y., BAHAR D., Bayır Z.
DALTON TRANSACTIONS, cilt.51, ss.7539-7550, 2022 (SCI-Expanded)
- VII. **Synthesis, electrochemistry, and electrocatalytic activity of thiazole-substituted phthalocyanine complexes**
Demir F., Yenilmez H. Y., KOCA A., Bayır Z.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, cilt.26, sa.3, ss.761-772, 2022 (SCI-Expanded)
- VIII. **New phthalonitrile/metal phthalocyanine-gold nanoparticle conjugates for biological applications**
Aftab J., Farajzadeh N., Yenilmez H. Y., ÖZDEMİR S., GONCA S., Altuntas Bayır Z.
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- IX. **The design and synthesis of metallophthalocyanine-gold nanoparticle hybrids as biological agents**
Farajzadeh N., Aftab J., Yenilmez H. Y., ÖZDEMİR S., GONCA S., Bayır Z.
NEW JOURNAL OF CHEMISTRY, cilt.46, ss.5374-5384, 2022 (SCI-Expanded)
- X. **Photosensitive field effect transistor based on metallo-phthalocyanines containing (4-pentylphenyl) ethynyl moieties**
Yenilmez H. Y., ŞAHİN A. N., ALTINDAL A., Bayır Z.
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- XI. **Investigation of the photoconductive properties of thiophene substituted metallo-phthalocyanines**
Kumral E., Yenilmez H. Y., Albayrak S., Şahin A. N., Altindal A., Bayır Z.
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- XII. **Sensing alcohol vapours with novel unsymmetrically substituted metallophthalocyanines**
Polat M. P., Akyuz D., Yenilmez H. Y., KOCA A., ALTINDAL A., Bayır Z.
DALTON TRANSACTIONS, cilt.48, sa.25, ss.9194-9204, 2019 (SCI-Expanded)
- XIII. **Metallo-phthalocyanines containing thiazole moieties: Synthesis, characterization, electrochemical and spectroelectrochemical properties and sensor applications**
Demir F., Yenilmez H. Y., KOCA A., Bayır Z.
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- XIV. **Metallophthalocyanines bearing four 3-(pyrrol-1-yl)phenoxy units as photosensitizer for dye-sensitized solar cells**
Polat M. P., Yenilmez H. Y., KOCA A., ALTINDAL A., Bayır Z.
DYES AND PIGMENTS, cilt.156, ss.267-275, 2018 (SCI-Expanded)
- XV. **The synthesis and electrochemical behaviour of carbazole-substituted phthalocyanines**
Yenilmez H. Y., Ustamehmetoğlu B., Sezer E., Bayır Z.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, cilt.22, sa.2, ss.505-517, 2018 (SCI-Expanded)
- XVI. **Phthalocyanines formed from several precursors: synthesis, characterization, and comparative**

- fluorescence and quinone quenching**
Karaoglu H. R., Yenilmez H. Y., Koçak M.
JOURNAL OF COORDINATION CHEMISTRY, cilt.71, sa.15, ss.2340-2357, 2018 (SCI-Expanded)
- XVII. **Synthesis of quaternized zinc(II) and cobalt(II) phthalocyanines bearing pyridine-2-yl-ethynyl groups and their DNA binding properties**
MOEINI ALISHAH M., Yenilmez H. Y., Özçeşmeci İ., Sesalan B. Ş., Altuntas Bayir Z.
TURKISH JOURNAL OF CHEMISTRY, cilt.42, sa.2, ss.572-585, 2018 (SCI-Expanded)
- XVIII. **Electrochemical, spectroelectrochemical, and dielectric properties of metallophthalocyanines bearing redox active cobalt and manganese metal centres**
UZUNMEHMETOGLU H. Z., Yenilmez H. Y., Kaya K., Koca A., ALTINDAL A., Bayir Z. A.
INORGANICA CHIMICA ACTA, cilt.459, ss.51-62, 2017 (SCI-Expanded)
- XIX. **Carbazole-substituted metallo-phthalocyanines: Synthesis, electrochemical, and spectroelectrochemical properties**
Ipsiz O., Yenilmez H. Y., KAYA K., Koca A., Bayir Z.
SYNTHETIC METALS, cilt.217, ss.94-101, 2016 (SCI-Expanded)
- XX. **Synthesis, electrochemical and spectroelectrochemical properties of thiazole-substituted phthalocyanines**
Duruk E. G., Yenilmez H. Y., Koca A., Bayir Z.
SYNTHETIC METALS, cilt.209, ss.361-368, 2015 (SCI-Expanded)
- XXI. **Electrochemical, spectroelectrochemical characterization and electropolymerization of 2-(4-methyl-1,3-thiazol-5-yl) ethoxy-substituted manganese and indium phthalocyanines**
Yenilmez H. Y., AKDAG O., SEVİM A. M., Koca A., Bayir Z.
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- XXII. **Microwave-assisted synthesis of novel non-peripherally substituted metallophthalocyanines and their sensing behaviour for a broad range of Lewis bases**
Duruk E. G., Yenilmez H. Y., ALTINDAL A., BAYIR Z. A.
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- XXIII. **Synthesis, electrochemical and spectroelectrochemical properties of novel phthalocyanine complexes of manganese, titanium and indium**
Sevim A. M., Yenilmez H. Y., Aydemir M., Koca A., Bayir Z.
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- XXIV. **Microwave-assisted synthesis of novel nonperipherally substituted metallophthalocyanines bearing (7-(trifluoromethyl)quinolin-4-yl)oxy groups**
Evren D., YENİLMEZ H. Y., BURAT A. K.
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- XXV. **Synthesis and characterization of novel 2-{[2-(dimethylamino)ethyl] (methyl)aminol} ethoxy-substituted metallophthalocyanines**
Zengin H., YENİLMEZ H. Y., BURAT A. K., BAYIR Z. A.
TURKISH JOURNAL OF CHEMISTRY, cilt.38, sa.6, ss.1094-1101, 2014 (SCI-Expanded)
- XXVI. **Synthesis and characterization of novel 2 2 dimethylamino ethyl methyl amino ethoxy substituted metallophthalocyanines**
ZENGİN H., YENİLMEZ H. Y., KALKAN BURAT A., Bayir Z.
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- XXVII. **Synthesis and photophysical properties of novel (trifluoromethyl) phenylethynyl-substituted metallophthalocyanines**
Sevim A. M., Yenilmez H. Y., BAYIR Z. A.
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- XXVIII. **Synthesis and photophysics of new metallo phthalocyanine complexes with thiazole groups and their fluorescence quenching studies with benzoquinone**
Yenilmez H. Y., Sevim A. M., BAYIR Z. A.
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- XXIX. **Peripherally tetra-palladated phthalocyanines**
Yenilmez H. Y., OKUR A. I., Gul A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.692, sa.5, ss.940-945, 2007 (SCI-Expanded)
- XXX. **Synthesis and characterization of metal-free and metallo phthalocyanines with four pendant naphthoxy-substituents**
Yenilmez H. Y., Ozcesmeci I., OKUR A., GUL A.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Comparison of Electrochemical Polymerization and Electrochemical Characterization of Carbazole Substituted Phthalocyanines**
Boz A., YENİLMEZ H. Y., USTAMEHMETOĞLU B., Bayır Altuntaş Z.
İstanbul International Organic Electronic Symposium, 2 - 04 Aralık 2019
- II. **Karbazol Sıbstitüye Asimetrik Kobalt Ftalosiyanın**
YENİLMEZ H. Y., Kumral E., Gümrükçü S., USTAMEHMETOĞLU B., BAYIR Z.
XXXI. Ulusal Kimya Kongresi, Türkiye, 10 - 13 Eylül 2019
- III. **Metallophthalocyanines Non peripherally Substituted with 4 Phenylthiazole 2 thiol**
Bayır Z., ZENGİN H., Yenilmez H. Y., KOCA A.
International Symposium on Macroyclic and Supramolecular Chemistry (2016), Seul, Güney Kore, 5 - 10 Temmuz 2016, ss.863
- IV. **Non peripherally Pyrrole substituted Phthalocyanines**
Pamukçu M., Yenilmez H. Y., Bayır Z.
International Symposia on Metal Complexes – ISMEC (2016), Baeselona, İspanya, 5 - 10 Haziran 2016, ss.421
- V. **DNA Binding Properties of Pyridin 3 yl Substituted Water Soluble Phthalocyanines**
Yenilmez H. Y., Bayır Z., MOEINI ALISHAH M.
International Symposia on Metal Complexes – ISMEC (2016), Barselona, İspanya, 5 - 10 Haziran 2016, ss.125
- VI. **Karbazol Sıbstitüye Ftalosiyanınler**
Bayır Z., IPSİZ O., Yenilmez H. Y.
V. Anorganik Kimya Kongresi, Mersin, Türkiye, 22 - 25 Nisan 2015, ss.84
- VII. **Karbozol Sıbstitüye Ftalosiyanınler**
BAYIR Z., İPSİZ Ö., YENİLMEZ H. Y.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Türkiye, 22 - 25 Nisan 2015
- VIII. **Soluble phthalocyanines containing carbozole moieties**
Yenilmez H. Y., Sezer E., Ustamehmetoğlu B., Bayır Z.
Eighth International Conference on Porphyrins and Phthalocyanines, İstanbul, Türkiye, 22 - 27 Haziran 2014, ss.563
- IX. **Microwave Assisted Synthesis of A Novel Metallo- Phthalocyanines Containing Non-Peripheral 2-(4-methyl-1,3-thiazol-5-yl)ethoxy Substituents**
DURUK E. G., Yenilmez H. Y., Bayır Z.
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- X. **Synthesis and Photophysical Properties of Octasubstituted Zinc II Phthalocyanine**
International Conference on Porphyrins and Phthalocyanines
Duruk E. G., YENİLMEZ H. Y., BAYIR Z.
Eighth International Conference on Porphyrins and Phthalocyanines, İstanbul, Türkiye, 22 - 27 Haziran 2014
- XI. **Synthesis and Photophysical Properties of Octasubstituted Zinc(II)Phthalocyanine**
PEKBELGİN KARAOĞLU H. R., YENİLMEZ H. Y., KOÇAK M.
International Conference on Porphyrins and Phthalocyanines, 22 - 27 Haziran 2014
- XII. **Microwave Assisted Synthesis Of A Novel Manganese And Indium Phthalocyanines Containing**

- Peripheral 2-(4-methyl-1,3-thiazol-5-yl)ethoxy Substituents**
AKDAG O., Yenilmez H. Y., SEVIM A. M., Bayır Z.
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- XIII. Synthesis And Characterization Of Novel (trifluoromethyl)phenylethynyl-substituted Metallophthalocyanines**
SEVIM A. M., Yenilmez H. Y., AKDAG O., Bayır Z.
IUPAC 2013 44th World Chemistry Congress, İstanbul, Türkiye, 11 - 16 Ağustos 2013, ss.1110
- XIV. Microwave Assisted Synthesis of a Novel Manganese Phthalocyanine Containing Peripheral 1H Benzoimidazol 2 sulfanyl Substituents**
YENİLMEZ H. Y., GÜL A.
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- XV. Tetrasubstituted oxotitanium iv phthalocyanine derived from 8 hydroxyquinoline and its quaternised compound**
YENİLMEZ H. Y., GÜL A., CİHAN A.
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- XVI. Soluble phthalocyanines containing ethoxyethoxy moieties**
YENİLMEZ H. Y., ALİ İHSAN O., GÜL A.
3rd EuCheMS Chemistry Congress, Nürnberg, Almanya, 29 Ağustos - 02 Eylül 2010
- XVII. Phthalocyanines with naphthoxy and chloro groups**
YENİLMEZ H. Y., ALİ İHSAN O., GÜL A.
3rd EuCheMS Chemistry Congress, Nürnberg, Almanya, 29 Ağustos - 02 Eylül 2010
- XVIII. Paladyumlanmış Asimetrik Ftalosianinlerin Sentezi**
YENİLMEZ H. Y., OKUR A. İ., GÜL A.
XXII. Ulusal Kimya Kongresi, Kıbrıs (Kktc), 6 - 10 Ekim 2008
- XIX. Synthesis of phenylazonaphthyl substituted unsymmetrical phthalocyanines**
YENİLMEZ H. Y., ALİ İHSAN O., GÜL A.
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- XX. Fenilazonaftalen Sübstidue Asimetrik Ftalosianinlerin Sentezi**
YENİLMEZ H. Y., OKUR A. İ., GÜL A.
XXI. Ulusal Kimya Kongresi, Malatya, Türkiye, 23 - 27 Ağustos 2007
- XXI. Naftilazo Grupları İçeren Tetra Sübstidue Ftalosianinler**
YENİLMEZ H. Y., Okur A. İ., GÜL A.
XX. Ulusal Kimya Kongresi, Kayseri, Türkiye, 4 - 08 Eylül 2006
- XXII. Tetra Substituted Phthalocyanines with Naphthylazo Moieties**
YENİLMEZ H. Y., ALİ İHSAN O., GÜL A.
International Symposium on Molecular Materials based on Coordination and Organometallic Chemistry, Lyon, Fransa, 7 - 10 Haziran 2006
- XXIII. Paladyum Azobenzen Kompleksi İçeren Ftalosianinlerin Sentezi**
YENİLMEZ H. Y., Okur A. İ., GÜL A.
XIX. Ulusal Kimya Kongresi, Türkiye, 30 Eylül - 04 Ekim 2005
- XXIV. Synthesis and Characterization of Metal free and Metallo Phthalocyanines with Four Pendant Palladated Azobenzene Complexes**
YENİLMEZ H. Y., OKUR A. İ., GÜL A.
XXX. International Symposium on Macrocyclic Chemistry, Dresden, Almanya, 17 - 21 Temmuz 2005
- XXV. Synthesis And Properties Of Novel 4 4 Z Or E Phenylidazenyl 1 Naphthyl Oxy Substituted Phthalocyanines**
YENİLMEZ H. Y., ALİ İHSAN O., GÜL A.
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- XXVI. Naftiloksi Sübstitüentli Yeni Ftalosianinlerin Sentezi**
YENİLMEZ H. Y., GÜL A., Okur A. İ.

Desteklenen Projeler

Farajzadeh N., Bayır Z., Yenilmez H. Y., TÜBİTAK Projesi, İndirgenmiş Grafen Oksit/Metalli Ftalosiyinin Polimer Kompozitlerinin Hazırlanması ve Süperkapasitör Uygulamaları, 2022 - 2025

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Yenilmez H. Y., Yükseköğretim Kurumları Destekli Proje, Pridin-3-il sübstitüe suda çözünür ftalosiyinin DNA-bağlanması özellikleri, 2016 - 2018

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Yenilmez H. Y., Yükseköğretim Kurumları Destekli Proje, 8-Hidroksikinolinden Türeyen Tetrasübstitüe Oksotitanyum (IV) Ftalosiyinin ve Kuaterner Bileşiği, 2011 - 2018

Bayır Z., Yenilmez H. Y., TÜBİTAK Projesi, Polimerleşebilir Sübstituentler İçeren Ftalosiyinin İletkenlik Gaz Sensör ve Elektrokatalitik Özellikleri, 2015 - 2017

Metrikler

Yayın: 58
Atıf (WoS): 239
Atıf (Scopus): 345
H-İndeks (WoS): 9
H-İndeks (Scopus): 11

Burslar

Yurtdışı araştırma Bursu, Vakıf, 2007 - 2007

Akademi Dışı Deneyim

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