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Education Information

Doctorate, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü/Kimya Bölümü, Anorganik Kimya, Turkey 1998 - 2009

Post Graduate, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü/Kimya Bölümü, Analitik Kimya, Turkey 1995 - 1998

Under Graduate, Yıldız Teknik Üniversitesi, Kimya Bölümü, Turkey 1990 - 1995

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Periferal konumlarda hacimli sübstitüent içeren porfirazinler, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Kimya Bölümü/Anorganik Kimya Anabilim Dalı, 2009

Post Graduate, Lisinoprilin sulu çözeltideki kararlılığına pH etkisinin sıvı kromatografik incelenmesi, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Kimya Bölümü/Analitik Kimya Anabilim Dalı, 1995

Research Areas

Chemistry, Inorganic Chemistry, Inorganic Ring Compounds, Novel Ligands, Natural Sciences

Academic Titles / Tasks

Associate Professor, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Department of Chemistry, 2018 - Continues

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

- I. **Synthesis of phthalocyanines with donor-acceptor properties and their applications to dye-sensitized solar cell**
Karadogan B., Kilicarslan F., ERDEN İ.
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- II. **Effect of Different -Conjugated Dyes Containing 4,5-Diazafluorenone-9-Hydrazone on The**

Performance of Dye-Sensitized Solar Cells

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- IV. **Synthesis, characterization and electrochemical properties of new phthalocyanines**
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- V. **Synthesis and characterization of organic dyes containing 4,5-diazafluorene as efficient sensitizers for dye-sensitized solar cells**
Erden İ., Cebeci C., Kilicarslan F.
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- VI. **Synthesis and photovoltaic properties of organic photosensitizer using D-pi-D type 4, 5-diazafluorene ligand and derivatives for efficient dye-sensitized solar cell**
Cebeci C., Kilicarslan F., Gurbuz O., Firat Y., Okutan M., Erden İ.
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- VII. **Tetra- and octa-[4-(thiophen-3-yl)phenoxy]-bearing metal-free and Lu(III) phthalocyanines: synthesis, characterisation and investigation of photophysical properties**
Ozdemir M., Kilicarslan F., Erdoğmuş A., Erden İ.
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- VIII. **Synthesis and Characterization of New D-pi-A Type Fluorene Ligands and Their Ru(II) Complexes**
ERDEN İ., Kilicarslan F., ERDOĞMUŞ A.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.45, pp.1733-1738, 2015 (Journal Indexed in SCI)
- IX. **Synthesis and fluorescence properties of metalloporphyrazines carrying 2-(ethyl)-1,3-dioxanethio-groups**
Kilicarslan F., ERDOĞMUŞ A., ERDEN İ., Avciata U.
JOURNAL OF CHEMICAL RESEARCH, pp.90-97, 2015 (Journal Indexed in SCI)
- X. **Synthesis, spectral and photophysical investigation of porphyrazines with eight 3-quinolinecarboxy esters**
Kilicarslan F., ERDOĞMUŞ A., Coskun N. Y. , Yalcin S. M. , Gül A.
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- XI. **Highly soluble 3,4-(dimethoxyphenylthio) substituted phthalocyanines: Synthesis, photophysical and photochemical studies**
ÖZTÜRK C., ERDOĞMUŞ A., Durmus M., Ugur A. L. , Kilicarslan F., ERDEN İ.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.86, pp.423-431, 2012 (Journal Indexed in SCI)
- XII. **[2,3,7,8,13,14,17,18-Octakis(ethylsulfanyl)-5,10,15,20-porphyrazinato]zinc(II)**
AKKURT M., Coskun N. Y. , Kilicaslan F., Yalcin S. M. , Buyukgungor O., Gül A.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (Journal Indexed in SCI)
- XIII. **Synthesis Absorption and Fluorescence Spectral Investigation of Porphyrazines with Eight 2 Naphthalenecarboxy Esters**
NACIYE Y. C. , ATAK O., AYTAN KILIÇARSLAN F., MANAV YALÇIN S., GÜL A.
Polish Journal Of Chemistry, vol.82, pp.2039-2047, 2008 (Journal Indexed in SCI)
- XIV. **High pressure liquid chromatographic investigation of the pH and temperature effect on the solution stability of lisinopril**
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REVIEWS IN ANALYTICAL CHEMISTRY, vol.26, pp.55-64, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **'SYNTHESIS, CHARACTERIZATION, SPECTRAL, AGGREGATION AND FLUORESCENCE AND IMPROVED PHOTOPHYSICAL PROPERTIES OF (ethylsulfanyl) PORPHYRAZINES CONTAINING β -THIOETHER APPENDED [(bpy)₂RuCl₂**
Aytan Kılıçarslan F., Erdoğan A., Yalçın S. S. , Gül A.
Sigma J Eng & Nat Sci, vol.36, pp.487-499, 2018 (International Refereed University Journal)
- II. **The Synthesis of D- π -D Derivative Phthalocyanines for Dye-Sensitized Solar Cell, Investigation of Spectroscopic and Electrical Properties**
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- III. **Synthesis, Characterization and Photophysical Properties of Europium(III) Phthalocyanines Bearing [4-(thiophen-3yl)phenoxy]**
Erden İ., Aytan Kılıçarslan F.
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- IV. **Effect of Au Grown on GaAs Substrate for Applying as Counter Electrode on Conversion Efficiency of Dye-Sensitized Solar Cells**
GURBUZ O., KIRSOY A., Kılıçarslan F., ERDEN İ., BOZDOĞAN A., Firat Y.
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- V. **The Synthesis of Metal-Free and Metalloporphyrines Carrying 2-Ethoxytetrahydro-2H-Pyranthio Groups for Dye-Sensitized Solar Cell, Investigation of Spectroscopic and Photovoltaic Properties**
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ENERGY AND ENVIRONMENT FOCUS, vol.5, pp.181-186, 2016 (Journal Indexed in ESCI)
- VI. **New Soluble Bis 4 fluorophenyl methoxy Substituted Phthalocyanines Synthesis Characterization Spectral Aggregation and Fluorescence Studies**
AYTAN KILIÇARSLAN F.
Journal of Chemical Engineering and Chemistry Research, vol.2, pp.706-718, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis, characterization, spectral and photophysical properties of new phthalocyanines bearing Schiff base**
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- II. **Synthesis, characterization, spectral and photophysical properties of new phthalocyanines bearing schiff base**
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- III. **Biologically Important Mononuclear Organogallium Complexes**
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- IV. **Biologically Important mononuclear organogallium complexes**
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- V. **Synthesis and photophysicochemical properties of fluoro functionality zinc phthalocyanine for photodynamic effects**
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- VI. **Synthesis of Novel Cobalt Complexes Redox Shuttle for DyeSensitized Solar Cells**

Arslan Faideci M., Erden İ., Aytan Kılıçarslan F.

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- VII. **The synthesis Derivated 4,5-Diazafluorene for Dye-Sensitized Solar Cell, Investigation of Spectroscopic and Electrical**
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- VIII. **bis 4 florofenil metoksi Substitüentli Ftalosiyanın Bileşiklerinin Sentezi Karakterizasyonu ve Fotofiziksel Özelliklerinin İncelenmesi**
AYTAN KILIÇARSLAN F., ERDOĞMUŞ A., ERDEN İ.
III. Ulusal Organik Kimya Kongresi, Karadeniz Teknik Üniversitesi, Trabzon, Turkey, 5 - 08 September 2016
- IX. **Synthesis Characterization Aggregation and Electrochemical Properties of Fluoro Functionality Phthalocyanines**
AYTAN KILIÇARSLAN F., KESKİN B., ERDOĞMUŞ A., ERDEN İ.
International Congress on Fundamental and Applied Sciences 2016 (ICFAS2016), İstanbul, Turkey, 22 - 26 August 2016
- X. **Role of cathode electron in dye sensitized solar cell Effect of GaAs Au**
ÇELİK BOZDOĞAN A., KIRSOY A., GÜRBÜZ O., ERDEN İ., AYTAN KILIÇARSLAN F., OKUTAN M.
12. International Nanoscience and Nanotechnology Conference, 3 - 05 June 2016
- XI. **The Synthesis of D D Derivated 4 5 Diazafluorenone for Dye Sensitized Solar Cell Investigation of Spectroscopic and Electrical Properties**
Aytan Kılıçarslan F., Gürbüz O., Okutan M., Erden İ.
oemt 2016, Çanakkale, Turkey, 17 - 19 May 2016
- XII. **Synthesis characterization and photovoltaic properties of free base CoII Mg II Ni II and Zn II containing porphyrazines as electron transporting materials for dye sensitized solar cells**
GÜRBÜZ O., AYTAN KILIÇARSLAN F., ERDOĞMUŞ A., ERDEN İ., OKUTAN M.
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- XIII. **The Synthesis of D D Derivated Phthalocyanines for DyeSensitized Solar Cell Investigation of Spectroscopic and Electrical Properties**
Çaktı K., Aytan Kılıçarslan F., Altındal A., Okutan M., Erden İ.
2nd International Nanoscience and Nanotechnology for Next Generation Conference (NaNONG), Antalya, Turkey, 28 - 30 October 2015, pp.130
- XIV. **D A Tipi Schiff Bazı Ligandı ve Ru II Kompleksi Sentezi Karakterizasyonu ve Fotofiziksel Özelliklerinin İncelenmesi**
ERDEN İ., AYTAN KILIÇARSLAN F.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 18 - 22 May 2015, pp.191
- XV. **Novel D D Structed Porphyrazines Containing Diphenylamino Moieties for Dye Senitized Solar Cell**
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- XVI. **Synthesis spectral and fluorescence properties of double decker Lu III and Eu III phthalocyanines bearing peripherally octakis 4 thiophen 3 yl phenoxy substituents**
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- XVII. **Synthesis characterization spectral aggregation and fluorescence properties of novel porphyrazines**
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INTERNATIONAL SYMPOSIUM ON MOLECULAR CHEMISTRY, İstanbul, Turkey, 19 December 2014, pp.188
- XVIII. **The Investigation of Photophysical Properties of Porphyrazine Metal Complexes**
Karaca Balta D., Aytan Kılıçarslan F., Arsu N., Manav Yalçın S., Gül A.
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- XIX. **Periferel Konumlarda 2-Etoksitetrahidro-2H-Pirantiyo Grupları Taşıyan Yeni Porfirazin Türevlerinin Sentezi ve Fotofiziksel Özelliklerinin İncelenmesi**

- AYTAN KILIÇARSLAN F., ERDOĞMUŞ A., ERDEN İ., AVCIATA U.
IV. Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May 2013, pp.167
- XX. **Porfirazinlerin Metal Komplekslerinin Fotofiziksel Özelliklerinin İncelenmesi**
AYTAN KILIÇARSLAN F., Arsu N., Manav Yalçın S., Gül A.
IV. Ulusal Anorganik Kimya Kongresi, Gaziosmanpaşa Üniversitesi, 01 June 2013
- XXI. **Synthesis and characterization of sandwich- type europium (III) phthalocyanines with different substituent**
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15th JCF-Frühjahrssymposium, Berlin, Germany, 06 March 2013, pp.256
- XXII. **Periferel Konumlarda Bromoalkil Bulunduran Porfirazin Türevlerinin Fotofiziksel Özelliklerinin İncelenmesi**
AYTAN KILIÇARSLAN F., ERDOĞMUŞ A., MANAV YALÇIN S., GÜL A.
26. Ulusal Kimya Kongresi, Muğla Sıtkı Koçman Üniversitesi, Muğla, Turkey, 1 - 06 October 2012
- XXIII. **L-Tirozin'in Magnezyum Kompleksinin Fotofiziksel Özellikleri**
GÜRSU H., CANLICA M., KOYUNCU İ., AYTAN KILIÇARSLAN F.
YTÜ II. Ulusal Nanoteknoloji Kongresi, İstanbul, Turkey, 27 September 2012, pp.1
- XXIV. **Periferel Konumlarda Bromoalkil Bulunduran Porfirazinlerin Termik Özelliklerinin Belirlenmesi**
AYTAN KILIÇARSLAN F., YALÇIN S. S. , GÜL A.
Paintİstanbul-Boya Sanayi ve Yardımcı Maddeler Kongre ve Fuarı, İstanbul, Turkey, 13 September 2012, pp.113
- XXV. **A Zinc Phthalocyanine: Synthesis and Characterization**
AYTAN KILIÇARSLAN F., CANLICA M.
Paintİstanbul-Paint & Coatings Industry Raw Material, Auxiliary Products Exhibition & Congress, İstanbul, Turkey, 13 September 2012, pp.71
- XXVI. **Hippürik Asidin Silisyum Kompleksinin Sentezi, Fotofiziksel Özellikleri ve Kararlılık Sabitinin Tayini**
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II. Eser Analiz Çalıştayı, Trabzon, Turkey, 27 June 2012, pp.99
- XXVII. **Bir Alüminyum Kompleksinin Spektroskopik Karakterizasyonu, Fotofiziksel Özellikleri, Kararlılık Sabitinin Tayini ve Güneş Pili Özelliğinin İncelenmesi**
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II. Eser Analiz Çalıştayı, Trabzon, Turkey, 27 June 2012, pp.73
- XXVIII. **Photophysical Properties of Free-base, MgII(ethylsulfanyl)-porphyrine**
Karaca Balta D., Aytan Kılıçarslan F., Arsu N., Yalçın S. S. , Gül A.
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- XXIX. **'Kanser Tedavisinde Alternatif Yöntem Olarak Fotodinamik Terapi (PDT): Işığa Duyarlı Ftalosiyeninler**
AYTAN KILIÇARSLAN F., CANLICA M.
I.Ulusal Kimya Eğitim- Öğretim Kongresi, İstanbul, Turkey, 21 June 2011, pp.29
- XXX. **Synthesis of non-symmetric mono B-aryl substituted complexes via Suzuki cross-coupling reactions on porphyrine**
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- XXXI. **Ettiliyü Sülfanil Pofirazinlerin ve Metal Komplekslerinin Termal Özelliklerinin İncelenmesi**
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- XXXII. **Periferel Konumlarda Metil Fluoren İçeren Porfirazinlerin ve Metal Komplekslerinin Sentezi**
YILMAZ COŞKUN N., AYTAN KILIÇARSLAN F., HAYIROV H., YALÇIN S. S. , GÜL A.
24. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June 2010, pp.1
- XXXIII. **Synthesis of Metal-free and Zn(II) Phthalocyanines with p-tert-butyl-25,26,27-trimethoxy-28-hydroxycalix[4]arene**
HAYIROV H., YILMAZ COŞKUN N., AYTAN KILIÇARSLAN F., YALÇIN S. S.

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- XXXIV. **'Asetilen Sübstitüe Asimetrik Porfirazinlerin Sentez**
HAYIROV H., YILMAZ COŞKUN N., AYTAN KILIÇARSLAN F., YALÇIN S. S. , GÜL A.
Cumhuriyet Üniversitesi- 23 Ulusal Kimya Kongresi, Sivas, Turkey, 16 June 2009, pp.76
- XXXV. **Asimetrik Porfirazinlerin Sentezi ve Metal Komplekleri**
AYTAN KILIÇARSLAN F., YILMAZ COŞKUN N., YALÇIN S. S. , GÜL A.
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- XXXVI. **3-Kinolinkarboksi esterlerini İçeren Porfirazinlerin Metal komplekslerinin Sentezi**
YILMAZ COŞKUN N., AYTAN KILIÇARSLAN F., YALÇIN S. S. , GÜL A.
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- XXXVII. **Yeni Porfirazin Türevlerinin Sentezi ve Karakterizasyonu**
ATAK O., COŞKUN YILMAZ N., AYTAN KILIÇARSLAN F., YALÇIN S. S. , GÜL A.
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- XXXVIII. **High Pressure Liquid Chromatographic Investigation Of The pH Effect On The Solution Stability Of Lisinopril**
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- XXXIX. **Complexation Properties of 1,3-Dimethoxy 2,4-Dithiocalex[4]arene**
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- XL. **Synthesis of new vic-Dioksime Derivatives of Monothiocalex[4]arene**
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Supported Projects

AYTAN KILIÇARSLAN F., TUBITAK Project, MODİFİYE FTALOSİYANİNLERİN GÜNEŞ PİLİ UYGULANABİLİRLİĞİNİN ARAŞTIRILMASI, 2017 - Continues

AYTAN KILIÇARSLAN F., YÖRÜR GÖRECİ Ç., ALTAŞ N., KİRPİ E., Project Supported by Higher Education Institutions, BİYOLOJİK OLARAK ÖNEMLİ MONONÜKLEAR ORGANOGALLI KOMPLEKSLERİ, 2016 - 2019

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AYTAN KILIÇARSLAN F., Project Supported by Higher Education Institutions, FTALOSİYANİNLERİN FOTOFİZİKSEL, FOTOKİMYASAL VE ELEKTROKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ VE FOTO DİNAMİK TERAPİDE UYGULANABİLİRLİĞİNİN ARAŞTIRILMASI, 2014 - 2016

AYTAN KILIÇARSLAN F., Project Supported by Higher Education Institutions, Yeni Çözünür Ftalosiyanın Türevlerinin Sentezi, Fotofiziksel ve Fotokimyasal Özellikleri, 2011 - 2014

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Citations

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