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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Anorganik Kimya, Turkey 1993 - 2001

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Anorganik Kimya, Turkey 1990 - 1993

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Kimya Bölümü, Turkey 1986 - 1990

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Boron Chemistry, Coordination Chemistry, Organometallic Chemistry, Novel Ligands, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2011 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2005 - 2011

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2004 - 2005

Research Assistant PhD, Karadeniz Technical University, Fen Fakültesi, Kimya, 2001 - 2004

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Kimya, 1992 - 2001

Advising Theses

DEĞİRMENCİOĞLU İ., PERİFERAL ÇEVRESİNDE FARKLI TRİAZOL GRUPLARI TAŞIYAN YENİ FTALOSİYANİNLERİN SENTEZİ VE FOTOFİZİKSEL VE FOTOKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, Doctorate, R.BAYRAK(Student), 2013

DEĞİRMENCİOĞLU İ., SÜBSTİTÜE KONUMDA BENZOTİAZOL HALKALARI İÇEREN YENİ FTALOSİYANİNLERİN MİKRODALGA ORTAMINDA SENTEZİ VE KARAKTERİZASYONU, Postgraduate, A.AKTAŞ(Student), 2010

DEĞİRMENCİOĞLU İ., YAPISINDA SUBSTİTUE SALİSİLİK HİDRAZON-1,3-TRİAZOL HALKALARI İÇEREN YENİ METAL-FREE VE METALLO FTALOSİYANİNLERİN MİKRO DALGA IŞIK ORTAMINDA SENTEZİ VE KOMPLEKS OLUŞUMLARININ İNCELENMESİ, Postgraduate, E.ATALAY(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis and characterization of newly phthalocyanine molecules: Their enzyme inhibition and antioxidant properties, in silico and in vitro**
ÇELİK F., ÜNVER Y., OzTuncay F., Cakmak U., KOLCUOĞLU Y., Uzun K., ÖZTÜRK H., Yorulmaz N., DEĞİRMENCİOĞLU İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.1016, 2024 (SCI-Expanded)
- II. **Title: A Boron-Chelating Piperazine-Tethered Schiff Base Can Modulate Excitability in Brain Slices in a Specific Frequency Range**
BAŞOĞLU H., DEĞİRMENCİOĞLU İ., ÖZTÜRK H., Yorulmaz N., ABİDİN S., ABİDİN İ.
ChemistrySelect, vol.8, no.48, 2023 (SCI-Expanded)
- III. **Synthesis and characterization of novel Schiff base-silicon (IV) phthalocyanine complex for photodynamic therapy of breast cancer cell lines.**
Sarı C., Değirmencioğlu İ., Eyüpoğlu F.
Photodiagnosis and photodynamic therapy, vol.42, pp.103504, 2023 (SCI-Expanded)
- IV. **Preparation of phthalocyanine/TiO₂ nanocomposites for photocatalytic removal of toxic Cr(VI) ions**
Bayrak R., ALBAY C., KOC M., ALTIN İ., DEĞİRMENCİOĞLU İ., SOKMEN M.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.102, pp.294-302, 2016 (SCI-Expanded)
- V. **New dye sensitized photocatalysts: Copper(II)-phthalocyanine/TiO₂ nanocomposite for water remediation**
ALBAY C., KOC M., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SOKMEN M.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.324, pp.117-125, 2016 (SCI-Expanded)
- VI. **Preparation of Phthalocyanine /TiO₂ nanocomposites for Photocatalytic Removal of Toxic Cr(VI) ions**
Bayrak R., Albay C., Koç M., ALTIN İ., DEĞİRMENCİOĞLU İ., SÖKMEN M.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.102, pp.294-302, 2016 (SCI-Expanded)
- VII. **New dye sensitized photocatalyst: Copper(II)-phthalocyanine/TiO₂ nanocomposite for water remediation**
Albay C., Koç M., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.324, pp.117-125, 2016 (SCI-Expanded)
- VIII. **Novel olefinic-centered macrocyclic compounds involving tetrasubstituted 4-hydroxybenzoic acid fragments: Synthesis, structural characterization and comparison of experimental and computational results**
Er M., DEĞİRMENCİOĞLU İ., TAHTACI H.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.139, pp.68-74, 2015 (SCI-Expanded)
- IX. **The synthesis and structural characterization of new metallo phthalocyanines with 1,2,4-triazole fragments**
Bayrak R., BEKİRCAN O., Durmus M., DEĞİRMENCİOĞLU İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.767, pp.101-107, 2014 (SCI-Expanded)
- X. **DBU-catalyzed condensation of metal free and metallophthalocyanines containing thiazole and azine moieties: Synthesis, characterization and electrochemical properties**
Dede G., Bayrak R., Er M., ÖZKAYA A. R., DEĞİRMENCİOĞLU İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.740, pp.70-77, 2013 (SCI-Expanded)
- XI. **Studies on synthesis, structure, and DNA cleaving of homo-dinuclear Mn(II), Cu(II), Ni(II), and Zn(II) complexes with a heterocycle-based macrocyclic Schiff base**
Baran T., Karaoglu K., Serbest K., Agir H., Sandalli C., DEĞİRMENCİOĞLU İ.
MONATSHEFTE FÜR CHEMIE, vol.144, no.8, pp.1107-1115, 2013 (SCI-Expanded)
- XII. **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, vol.105, pp.550-556, 2013 (SCI-Expanded)

- XIII. **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, vol.96, no.2, pp.483-494, 2013 (SCI-Expanded)
- XIV. **Self-assembling novel phthalocyanines containing a rigid benzothiazole skeleton with a 1,4-benzene linker: Synthesis, spectroscopic and spectral properties, and photochemical/photophysical affinity**
Aktas A., Durmus M., DEĞİRMENCİOĞLU İ.
POLYHEDRON, vol.48, no.1, pp.80-91, 2012 (SCI-Expanded)
- XV. **Synthesis, structural and spectroscopic characterization, and photophysical and photochemical properties of peripherally tetratriazole-substituted highly soluble metallophthalocyanines**
Bayrak R., Durmus M., Meydanal S., SANCAK K., DEĞİRMENCİOĞLU İ.
POLYHEDRON, vol.48, no.1, pp.1-8, 2012 (SCI-Expanded)
- XVI. **Azine-bridged binuclear metallophthalocyanines functioning photophysical and photochemical-responsive**
Bayrak R., Akcay H. T., Piskin M., Durmus M., DEĞİRMENCİOĞLU İ.
DYES AND PIGMENTS, vol.95, no.2, pp.330-337, 2012 (SCI-Expanded)
- XVII. **Synthesis, characterization, spectral and electrical properties of peripherally tetratriazole-substituted phthalocyanines and its metal complexes**
Bayrak R., KARAOĞLU K., ÜNVER Y., SANCAK K., DUMLUDAĞ F., DEĞİRMENCİOĞLU İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.712, pp.57-66, 2012 (SCI-Expanded)
- XVIII. **Synthesis, photophysical and photochemical properties of highly soluble phthalocyanines substituted with four 3,5-dimethylpyrazole-1-methoxy groups**
Bayrak R., AKÇAY H. T., Durmus M., DEĞİRMENCİOĞLU İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.696, no.23, pp.3807-3815, 2011 (SCI-Expanded)
- XIX. **Synthesis and spectroscopic studies of homo-binuclear, alkoxo bridged homo- and hetero-tetranuclear metal complexes of a bis-N2O4 Schiff base ligand derived from ethanolamine and macrocyclic tetranaphthaldehyde**
KARAOĞLU K., Baran T., DEĞİRMENCİOĞLU İ., SERBEST K.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.79, no.5, pp.867-872, 2011 (SCI-Expanded)
- XX. **New olefinic centred binuclear clamshell type phthalocyanines: Design, synthesis, structural characterisation, the stability and the change in the electron cloud at olefine-based symmetrical diphthalonitrile fragment by the combined application of UV-Vis electronic structure and theoretical methods**
DEĞİRMENCİOĞLU İ., Bayrak R., Er M., SERBEST K.
POLYHEDRON, vol.30, no.9, pp.1628-1636, 2011 (SCI-Expanded)
- XXI. **Smart Experimental Management System for Electrical and Electronic ENGINEERING LABORATORIES**
Bayindir N. S., Degirmencioglu I., Bayindir H. O.
ELECTRONICS WORLD, vol.117, no.1897, pp.30-34, 2011 (SCI-Expanded)
- XXII. **Synthesis, characterization and properties of tetra((1-hydroxyimino-methylnaphthalen-2-yloxy)methyl)ethene and its homo-dinuclear metal complexes: A combined experimental and theoretical investigation**
SERBEST K., KARAOĞLU K., Erman M., Er M., DEĞİRMENCİOĞLU İ.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.77, no.3, pp.643-651, 2010 (SCI-Expanded)
- XXIII. **The synthesis of some new imidazole and triazole derivatives: crystal Structure and DFT-TDDFT investigation on electronic structure**
SANCAK K., ÜNVER Y., Tanak H., DEĞİRMENCİOĞLU İ., Dugdu E., Er M., Isyik S.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.67, pp.325-334, 2010 (SCI-Expanded)
- XXIV. **Novel phthalocyanines containing substituted salicyclic hydrazone-1,3-thiazole moieties: Microwave-assisted synthesis, spectroscopic characterization, X-ray structure and thermal characterization**

- DEĞİRMENCİOĞLU İ., Atalay E., Er M., Koysal Y., Isik S., SERBEST K.
DYES AND PIGMENTS, vol.84, no.1, pp.69-78, 2010 (SCI-Expanded)
- XXV. **5-Benzyl-4-[3-(1H-imidazol-1-yl)propyl]-2H-1,2,4-triazol-3(4H)-ones: Synthesis, spectroscopic characterization, crystal structure and a comparison of theoretical and experimental IR results by DFT calculations**
ÜNVER Y., SANCAK K., Tanak H., DEĞİRMENCİOĞLU İ., Dugdu E., Er M., Isik S.
JOURNAL OF MOLECULAR STRUCTURE, vol.936, pp.46-55, 2009 (SCI-Expanded)
- XXVI. **The microwave-assisted synthesis and structural characterization of novel, dithia-bridged polymeric phthalocyanines containing a substituted thiophenylamine Schiff base**
DEĞİRMENCİOĞLU İ., Bayrak R., Er M., SERBEST K.
DYES AND PIGMENTS, vol.83, no.1, pp.51-58, 2009 (SCI-Expanded)
- XXVII. **Two novel macrocyclic schiff bases containing bis-N2O2 donor set and their binuclear complexes: synthesis, spectroscopic and magnetic properties**
KARAOĞLU K., Baran T., SERBEST K., Er M., DEĞİRMENCİOĞLU İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.922, pp.39-45, 2009 (SCI-Expanded)
- XXVIII. **Spectroscopic and theoretical study of 1,2,4-triazole-3-one based salicylaldehyde complexes and evaluation of superoxide-scavenging properties**
SERBEST K., Ozen A., ÜNVER Y., Er M., DEĞİRMENCİOĞLU İ., SANCAK K.
JOURNAL OF MOLECULAR STRUCTURE, vol.922, pp.1-10, 2009 (SCI-Expanded)
- XXIX. **Synthesis, characterization and cyclization reactions of some new bithiosemicarbazones**
Er M., ÜNVER Y., SANCAK K., DEĞİRMENCİOĞLU İ., Karaoglu S. A.
ARKIVOC, pp.149-167, 2009 (SCI-Expanded)
- XXX. **Binuclear transition metal complexes of a novel lateral-N-methylthiosemicarbazone through the central ethylene bridge: Synthesis, structural characterization and the response of ligand molecule to different solvent media**
Er M., SANCAK K., DEĞİRMENCİOĞLU İ., SERBEST K.
JOURNAL OF MOLECULAR STRUCTURE, vol.882, pp.35-46, 2008 (SCI-Expanded)
- XXXI. **Ni(II), Cu(II), and Zn(II) Complexes of Tetradentate Schiff Base Containing Two Thiadiazoles Units: Structural, Spectroscopic, Magnetic Properties, and Molecular Modeling Studies**
SERBEST K., Kayi H., Er M., SANCAK K., DEĞİRMENCİOĞLU İ.
HETEROATOM CHEMISTRY, vol.19, no.7, pp.700-712, 2008 (SCI-Expanded)
- XXXII. **Microwave-assisted synthesis and characterization and theoretical calculations of the first example of free and metallophthalocyanines from salen type Schiff base derivative bearing thiophen and triazole heterocyclic rings**
SERBEST K., DEĞİRMENCİOĞLU İ., Ünver Y., Er M., KANTAR C., SANCAK K.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.692, no.25, pp.5646-5654, 2007 (SCI-Expanded)
- XXXIII. **Cu(II), Ni(II) and Fe(II) complexes with a new substituted [1,2,4] triazole Schiff base derived from 4-amino-5-(thien-2-yl ethyl)-2,4-dihydro-3H-1,2,4-triazol-3-one and 2-hydroxy-1-naphthaldehyde: synthesis, characterization and a comparison of theoretical and experimental results by Ab initio calculation**
Sancak K., Er M., Ünver Y., Yildirim M., Degirmencioglu I., Serbest K.
TRANSITION METAL CHEMISTRY, vol.32, no.1, pp.16-22, 2007 (SCI-Expanded)
- XXXIV. **Preconcentration of trace elements on amberlite XAD-4 resin functionalised with 1,2-bis (o-aminophenylthio) ethane and their determination by FAAS in environmental samples**
DALMAN Ö., BULUT V. N., DEĞİRMENCİOĞLU İ., Tufekci M.
TURKISH JOURNAL OF CHEMISTRY, vol.31, no.6, pp.631-646, 2007 (SCI-Expanded)
- XXXV. **Chemical effects on the K-beta/K-alpha X-ray intensity ratios of Mn, Ni and Cu complexes**
Cevik U., Degirmencioglu I., Ertugral B., Apaydin G., Baltas H.
EUROPEAN PHYSICAL JOURNAL D, vol.36, no.1, pp.29-32, 2005 (SCI-Expanded)
- XXXVI. **Synthesis and characterization of Cu(II) complexes of two ligands derived from malonyl dichloride**
Karabocek N., Karabocek S., Mazlum H., Degirmencioglu I., Serbest K.

- TURKISH JOURNAL OF CHEMISTRY, vol.28, no.1, pp.87-94, 2004 (SCI-Expanded)
- XXXVII. **Copper(II)-nickel(II) complexes of novel 1,9-dioxa-3,6-dithiacyclotridecane-10,12-dione and 1,4-dioxa-7,10-dithiacyclododecane-2,3-dione ligands**
Karabocek S., DEGIRMENCIOGLU İ., Karabocek N., Serbest K.
TRANSITION METAL CHEMISTRY, vol.28, no.5, pp.529-533, 2003 (SCI-Expanded)
- XXXVIII. **The effect of intramolecular-hydrogen bonds in the synthesis of novel imidates from a 13-membered dioxadithia crown ether diester**
Karabocek S., Serbest K., DEGIRMENCIOGLU İ., Karabocek N., ER M.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.40, no.4, pp.639-643, 2003 (SCI-Expanded)
- XXXIX. **Synthesis and characterization of new metal-free and metallophthalocyanines substituted with tetrathiadiazamacrobicyclic moieties**
Gok Y., Kantekin H., Degirmencioglu I.
SUPRAMOLECULAR CHEMISTRY, vol.15, no.5, pp.335-343, 2003 (SCI-Expanded)
- XL. **Synthesis, spectra and crystal structure of 2-([3-(methyl {3-[(2-hydroxybenzylidene)amino]propyl} amino)propyl]imino)methyl)phenol copper(II) complex**
Yilmaz V. T., Degirmencioglu I., Andac O., Karabocek S., Slawin A.
JOURNAL OF MOLECULAR STRUCTURE, vol.654, no.1-3, pp.125-129, 2003 (SCI-Expanded)
- XLI. **Synthesis and characterization of new phthalocyanines peripherally fused to four 21-membered dithiacrown ether macrocycles**
DEGIRMENCIOGLU İ., Karabocek S., Karabocek N., ER M., Serbest K.
MONATSHEFTE FUR CHEMIE, vol.134, no.6, pp.875-881, 2003 (SCI-Expanded)
- XLII. **A new binucleating ligand incorporating four oxime groups and its copper(II), manganese(II) and cobalt(III) complexes**
Serbest K., Degirmencioglu I., Karabocek S., Guner S.
TRANSITION METAL CHEMISTRY, vol.26, pp.232-236, 2001 (SCI-Expanded)
- XLIII. **Mono-, di- and trinuclear copper(II) dioxime complexes; 3-{2-[2-(2-hydroxyimino-1-methylpropylideneamino)ethylamino]ethylimino}butan-2-one oxime**
Serbest K., Karabocek S., Degirmencioglu I., Guner S., Kormali F.
TRANSITION METAL CHEMISTRY, vol.26, pp.375-379, 2001 (SCI-Expanded)
- XLIV. **Synthesis and characterization of new metal-free phthalocyanine substituted with four diazatetrathiamacrobicyclic moieties**
Gok Y., Kantekin H., Bilgin A., Mendil D., Degirmencioglu I.
CHEMICAL COMMUNICATIONS, no.3, pp.285-286, 2001 (SCI-Expanded)
- XLV. **Synthesis and characterization of a novel diloop macrocycle substituted phthalocyanine**
Kantekin H., Degirmencioglu I., Gok Y.
ACTA CHEMICA SCANDINAVICA, vol.53, no.4, pp.247-252, 1999 (SCI-Expanded)
- XLVI. **The interaction of Cu(II) and Ni(II) with oxygen-nitrogen mixed donor macrocycles containing crown ether moieties**
Gok Y., Degirmencioglu I., Karabocek S.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.27, no.3, pp.331-345, 1997 (SCI-Expanded)
- XLVII. **THE SYNTHESIS AND CHARACTERIZATION OF NOVEL DIOXIMES AND THEIR HETERONUCLEAR COMPLEXES CONTAINING CROWN-ETHER MOIETIES**
GOK Y., KANTEKIN H., DEGIRMENCIOGLU I.
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Refereed Congress / Symposium Publications in Proceedings

1. **Photocatalytic inactivation of Staphylococcus aureus in water using TiO₂ modified with Nickel phthalocyanine**

- ALTIN İ., Albay C., Koç M., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
7th Black Sea Basin Conference on analytical Chemistry, 10-15 September 2015, Bulgaria, pp.10
- II. **Photoreduction of Cr(VI) in Aqueous Suspension Using Cu Phthalocyanine Modified Titanium Dioxide Nanoparticles**
ALTIN İ., Albay C., DEĞİRMENCİOĞLU İ., Bayrak R., Koç M., SÖKMEN M.
10th Nanoscience and Nanotechnology Conference, 17 June-21 June 2014, Yeditepe Üniversitesi, İstanbul, Turkey, pp.1
- III. **Photocatalytic removal of toxic Cr (VI) with phthalocyanine immobilized TiO₂**
Koç M., Albay C., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
Turkish Journal of Occupational/Environmental Medicine and Safety, Ankara, Turkey, vol.1, pp.1
- IV. **TiO₂'in fotoduyarlılığını arttırmak için ftalosiyanınların kullanımı**
Koç M., Albay C., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
7. Ulusal Analitik Kimya Kongresi, 1-5 Eylül 2014, Kahramanmaraş, Turkey, pp.1
- V. **Enhanced photocatalytic degradation of 4-chlorophenol in the presence of a new photocatalyst material**
ALTIN İ., Albay C., Koç M., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
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- VI. **Novel TiO₂ photocatalyst modified with peripheral and non-peripheral substituted copper (II) phthalocyanines: Photocatalytic reduction and disinfection properties**
SÖKMEN M., Albay C., Koç M., ALTIN İ., DEĞİRMENCİOĞLU İ., Bayrak R.
The 5th International conference on semiconductor photochemistry, 27-31 July 2015, Russia, pp.1
- VII. **Design of Novel Furoyl-Methoxy-Piperazine Phthalocyanines with High ROS Capability in the Breast Cancer Cell Line As An Anticancer Drug**
Nalçaoğlu A., SARI C., DEĞİRMENCİOĞLU İ., CELEP EYÜPOĞLU F.
7th International Bahçeşehir University (BAU) Drug Design Congress, İstanbul, Turkey, 19 - 21 December 2019, pp.140
- VIII. **PDT with the new furoyl-piperazine-propanol silicon phythalocyanines on breast cancer cell lines**
CELEP EYÜPOĞLU F., SARI C., DEĞİRMENCİOĞLU İ., nalçaoğlu A.
MolBiyKon19, İstanbul, Turkey, 27 - 29 September 2019, pp.144
- IX. **Photodynamic therapy with the new furoyl-piperazine-propanol silicon phthalocyanines on breast cancer cell lines**
Nalçaoğlu A., SARI C., DEĞİRMENCİOĞLU İ., CELEP EYÜPOĞLU F.
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- X. **Synthesis, characterization, and photocatalytic tests of novel photocatalysts**
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17th International Conference on Chemistry and the Environment (ICCE 2019), Thessaloniki, Greece, 16 - 20 June 2019, pp.1
- XI. **Furfural Çevreli yeni bir sisilyum ftalosyaninin MCF-7 meme kanseri hücre hattındaki fotodinamik etkilerinin araştırılması**
SARI C., BAYRAK R., CELEP EYÜPOĞLU F., DEĞİRMENCİOĞLU İ.
7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, 11 - 14 October 2018
- XII. **Furfural çevreli yeni bir silisyum ftalosyaninin MCF-7 meme kanseri hücre hattındaki fotodinamik etkilerinin araştırılması**
SARI C., Bayrak R., DEĞİRMENCİOĞLU İ., CELEP EYÜPOĞLU F.
7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, İzmir, Turkey, 11 - 14 October 2018, pp.162
- XIII. **Synthesis of New Axially Chalcone Substituted Silicon (IV)Phthalocyanine and Investigation of Photophysical and Photochemical Properties**
KAHRİMAN N., ÜNVER Y., DEĞİRMENCİOĞLU İ., SERDAROĞLU V., Akçay H. T., Durmuş M., D. Gülmez A.
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- XIV. **Photophysical and Photochemical Properties of Novel Silicon (IV) Phthalocyanine-Chalcone Hybrid Compound**
KAHRİMAN N., ÜNVER Y., DEĞİRMENCİOĞLU İ., Akçay H. T., DURMUS M., D. Gülmez A.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1151
- XV. **Furan-azometin bileşimli yeni bir silisyum ftalosyaninin sentezi ve HCT-116 kolorektal kanser hücrelerine karşı fotodinamik terapi etkinliğinin araştırılması**
SARI C., BAYRAK R., eyüpoğlu f. c., DEĞİRMENCİOĞLU İ.
XV. Ulusal Tıbbi Biyoloji ve Genetik Kongresi (Uluslararası Katılımlı), Burdur, Turkey, 26 - 29 October 2017
- XVI. **Furan-azometin bileşimli yeni bir silisyum ftalosyaninin sentezi ve HCT-116 kolorektal kanser hücrelerine karşı fotodinamik terapi etkinliğinin araştırılması**
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