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Education Information

Doctorate, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1978 - 1984

Foreign Languages

English

Dissertations

Doctorate, Yeni vic-Di- ve tetra oksimlerin Sentezi Ni(II), Cu(II), Co, Cd, Zn ve UO₂(VI), ile oluşturdukları Komplekslerin İncelenmesi, Karadeniz Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 1984

Academic Titles / Tasks

Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1988 - Continues

Professional Experience

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

- I. **Nonlinear optical behavior and optical power limiting characteristics of peripheral symmetrical and non-symmetrical zinc phthalocyanines with nanosecond pulsed excitation**
ERDEM M., Korkmaz E., GÖRK G., Ahmetali E., Farajzadeh N., Eryürek G., Koçak M.
POLYHEDRON, vol.195, 2021 (Journal Indexed in SCI)
- II. **Investigation of tyrosinase enzyme (from mushroom) inhibitory activities and antioxidant properties of new fluorine-containing phthalocyanines**
Farajzadeh N., Sağlam Ö., Akin M., ŞAKİ N., Koçak M.
ARCHIV DER PHARMAZIE, 2020 (Journal Indexed in SCI)
- III. **A series of asymmetric zinc (II) phthalocyanines containing fluoro and alkynyl groups: Synthesis and examination of humidity sensing performance by using QCM based sensor**
Ahmetali E., Pekbelgin Karaoğlu H. R. , Urfa Y., ALTINDAL A., Koçak M.
MATERIALS CHEMISTRY AND PHYSICS, vol.254, 2020 (Journal Indexed in SCI)
- IV. **Electrochemical and spectroelectrochemical characterizations of new tetra-substituted metallophthalocyanines bearing 4-(trifluoromethoxy)phenoxy groups on non-peripheral positions**

Farajzadeh N., Akyuz D., KOCA A., Koçak M.

MONATSHEFTE FÜR CHEMIE, vol.151, no.9, pp.1337-1348, 2020 (Journal Indexed in SCI)

- V. **Nonlinear optical properties of peripheral symmetrically and non-symmetrically 4-(trifluoromethoxy)phenoxy substituted zinc phthalocyanines**
Farajzadeh N., GÖRK G., ERDEM M., Eryürek G., Koçak M.
SYNTHETIC METALS, vol.266, 2020 (Journal Indexed in SCI)
- VI. **Investigation of Time-Kill Evaluation and Antioxidant Activities of New Tetra-Substituted Metallophthalocyanines Bearing 4-(Trifluoromethoxy)thiophenyl Groups**
Sağlam Ö., Akin M., Pekbelgin Karaoğlu H. R. , ŞAKİ N., Kocak M.
CHEMISTRYSELECT, vol.5, no.8, pp.2522-2527, 2020 (Journal Indexed in SCI)
- VII. **Investigation of photophysical and photochemical properties of phthalocyanines bearing fluorinated groups**
Korkmaz E., Ahmetali E., Atmaca G. Y. , Karaoğlu H. R. , ERDOĞMUŞ A., Kocak M.
MONATSHEFTE FÜR CHEMIE, vol.151, no.2, pp.181-190, 2020 (Journal Indexed in SCI)
- VIII. **Synthesis, electrochemistry and in situ spectroelectrochemistry of novel tetra- and octa-substituted metallophthalocyanines bearing peripherally 4-(trifluoromethoxy)phenoxy groups**
Farajzadeh N., Akyuz D., KOCA A., Kocak M.
POLYHEDRON, vol.177, 2020 (Journal Indexed in SCI)
- IX. **Evaluation of carbonic anhydrase and paraoxonase inhibition activities and molecular docking studies of highly water-soluble sulfonated phthalocyanines**
Guzel E., Sonmez F., ERKAN S., Cikrikci K., Ergun A., Gencer N., Arslan O., Koçak M.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.6, pp.1565-1577, 2020 (Journal Indexed in SCI)
- X. **Near-infrared absorbing pi-extended hexadeca substituted phthalocyanines**
Pekbelgin Karaoğlu H. R. , Atsay A., Nar I., McKee V., Koçak M., Hamuryudan E., Gül A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1197, pp.736-741, 2019 (Journal Indexed in SCI)
- XI. **Synthesis, Photophysical and Biological Properties of New Phthalocyanines Bearing Peripherally 4-(Trifluoromethoxy)phenoxy Groups**
Farajzadeh N., Pekbelgin Karaoğlu H. R. , Akin M., ŞAKİ N., Koçak M.
CHEMISTRYSELECT, vol.4, no.31, pp.8998-9005, 2019 (Journal Indexed in SCI)
- XII. **Photophysical and photochemical properties of newly synthesized zinc(II) and chloroindium(III)phthalocyanines substituted with 3,5-bis(trifluoromethyl)phenoxy groups**
Ahmetali E., YAŞA ATMACA G., Pekbelgin Karaoğlu H. R. , ERDOĞMUŞ A., Koçak M.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, pp.960-968, 2019 (Journal Indexed in SCI)
- XIII. **Role of hexyloxy groups in zinc phthalocyanines bearing sulfonic acid anchoring groups for dye-sensitized solar cells**
Guzel E., ŞİŞMAN İ., Gül A., Koçak M.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, no.3, pp.279-286, 2019 (Journal Indexed in SCI)
- XIV. **Antimicrobial and antioxidant properties of novel octa-substituted phthalocyanines bearing (trifluoromethoxy)phenoxy groups on peripheral positions**
Farajzadeh N., Pekbelgin Karaoğlu H. R. , Akin M., ŞAKİ N., Koçak M.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, pp.91-102, 2019 (Journal Indexed in SCI)
- XV. **Zinc and chloroindium complexes of furan-2-ylmethoxy substituted phthalocyanines: Preparation and investigation of aggregation, singlet oxygen generation, antioxidant and antimicrobial properties**
GÜZEL E., ŞAKİ N., AKIN M., NEBİOĞLU M., ŞİŞMAN İ., ERDOĞMUŞ A., KOÇAK M.
Synthetic Metals, vol.245, pp.127-134, 2018 (Journal Indexed in SCI)
- XVI. **Synthesis and characterization of novel quatemized 2, 3-(diethylmethylamino)phenoxy tetrasubstituted Indium and Gallium phthalocyanines and comparison of their antimicrobial and antioxidant properties with different phthalocyanines**
ŞAKİ N., Akin M., Atsay A., Karaoğlu H. R. P. , Koçak M.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.95, pp.122-129, 2018 (Journal Indexed in SCI)

- XVII. Ferrocenyl Phthalocyanine as Donor in Non-Poly(3-hexylthiophen-2,5-diyl) Bulk Heterojunction Solar Cell**
NAR I, Atsay A., ALTINDAL A., Hamuryudan E., Koçak M., Guel A.
CHEMISTRY-A EUROPEAN JOURNAL, vol.24, no.27, pp.6946-6949, 2018 (Journal Indexed in SCI)
- XVIII. Phthalocyanines formed from several precursors: synthesis, characterization, and comparative fluorescence and quinone quenching**
Karaoglu H. R. P. , Yenilmez H. Y. , Koçak M.
JOURNAL OF COORDINATION CHEMISTRY, vol.71, no.15, pp.2340-2357, 2018 (Journal Indexed in SCI)
- XIX. Synthesis and characterization of novel quaternized 2, 3-(diethylmethylamino)phenoxy tetrasubstituted Indium and Gallium phthalocyanines and comparison of their antimicrobial and antioxidant properties with different phthalocyanines**
ŞAKİ N., AKIN M., ATSAY A., PEKBİLGİN KARAĞLU H., KOÇAK M.
Inorganic Chemistry Communications, vol.95, pp.122-129, 2018 (Journal Indexed in SCI)
- XX. A Honeycomb-Like Crystalline Self-Assembled Hexadeca-Substituted Phthalocyanine**
Atsay A., NAR I., Hamuryudan E., KOÇAK M., Guel A.
CHEMISTRYSELECT, vol.2, no.28, pp.9233-9235, 2017 (Journal Indexed in SCI)
- XXI. Novel sulfonated hydrophilic indium(III) and gallium(III) phthalocyanine photosensitizers: preparation and investigation of photophysicochemical properties**
GÜZEL E., YAŞA ATMACA G., ERDOĞMUŞ A., KOÇAK M.
Journal Of Coordination Chemistry, vol.70, no.15, pp.2659-2670, 2017 (Journal Indexed in SCI)
- XXII. Synthesis, photophysical and electrochemical properties of novel hexadeca-substituted phthalocyanines bearing naphthoxy groups**
Kurt O., Özçeşmeci İ., Koca A., Gül A., Kocak M.
DYES AND PIGMENTS, vol.137, pp.236-243, 2017 (Journal Indexed in SCI)
- XXIII. Anionic water-soluble sulfonated phthalocyanines: microwave-assisted synthesis, aggregation behaviours, electrochemical and in-situ spectroelectrochemical characterisation**
Guzel E., Koca A., Kocak M.
SUPRAMOLECULAR CHEMISTRY, vol.29, no.7, pp.536-546, 2017 (Journal Indexed in SCI)
- XXIV. Liquid state N-15 NMR studies of N-15 isotope labeled phthalocyanines**
Atsay A., Gül A., KOÇAK M.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.1, pp.163-173, 2016 (Journal Indexed in SCI)
- XXV. Synthesis, electrochemistry and in situ spectroelectrochemistry of novel hexadeca-substituted phthalocyanines with three different groups**
Kurt O., Koca A., Gül A., KOÇAK M.
SYNTHETIC METALS, vol.206, pp.72-83, 2015 (Journal Indexed in SCI)
- XXVI. The synthesis and investigation of binding properties of a new water soluble hexadeca zinc(II) phthalocyanine with bovine serum albumin and DNA**
Kurt O., OZCESMECI İ., Sesalan B. Ş. , Koçak M.
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- XXVII. Electropolymerization of Octakis Diethylamino Substituted Metallophthalocyanines and Their Electrochromic Characterization**
Aydemir M., KARAĞLU H. R. P. , Kocak M., Koca A.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.162, no.3, 2015 (Journal Indexed in SCI)
- XXVIII. Microwave-assisted synthesis, electrochemistry and spectroelectrochemistry of amphiphilic phthalocyanines**
Guzel E., Koca A., Gül A., KOÇAK M.
SYNTHETIC METALS, vol.199, pp.372-380, 2015 (Journal Indexed in SCI)
- XXIX. Synthesis and photophysical properties of novel hexadeca-substituted phthalocyanines bearing three different groups**
Kurt O., OZCESMECI İ., GUL A., Kocak M.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.754, pp.8-15, 2014 (Journal Indexed in SCI)

- XXX. **A new hexadeca substituted non-aggregating zinc phthalocyanine**
Atsay A., GUL A., Kocak M.
DYES AND PIGMENTS, vol.100, pp.177-183, 2014 (Journal Indexed in SCI)
- XXXI. **The synthesis and electrochemistry of novel, symmetrical, octasubstituted phthalocyanines**
Karaoglu H. R. P. , Koca A., Kocak M.
SYNTHETIC METALS, vol.182, pp.1-8, 2013 (Journal Indexed in SCI)
- XXXII. **Synthesis, characterization and photodynamic activity of a new amphiphilic zinc phthalocyanine**
Guzel E., ATsay A., Nalbantoglu S., Saki N., DOĞAN A., Gül A., KOCak M.
DYES AND PIGMENTS, vol.97, no.1, pp.238-243, 2013 (Journal Indexed in SCI)
- XXXIII. **Synthesis, electrochemical and spectroelectrochemical characterization of novel soluble phthalocyanines bearing chloro and quaternizable bulky substituents on peripheral positions**
Karaoglu H. R. P. , Koca A., Kocak M.
DYES AND PIGMENTS, vol.92, no.3, pp.1005-1017, 2012 (Journal Indexed in SCI)
- XXXIV. **Synthesis, electrochemistry and in situ spectroelectrochemistry of water-soluble phthalocyanines**
Atsay A., Koca A., Kocak M.
TRANSITION METAL CHEMISTRY, vol.34, no.8, pp.877-890, 2009 (Journal Indexed in SCI)
- XXXV. **Novel phthalocyanines with naphthalenic substituents**
ŞENER M. K. , GUEL A., Kocak M.
TRANSITION METAL CHEMISTRY, vol.33, no.7, pp.867-872, 2008 (Journal Indexed in SCI)
- XXXVI. **Structural and optical studies of tetra (tricarboethoxy)-substituted metallophthalocyanines**
Sorar I., ŞENER M. K. , TEPEHAN F. Z. , GUEL A., Koçak M.
THIN SOLID FILMS, vol.516, no.10, pp.2894-2898, 2008 (Journal Indexed in SCI)
- XXXVII. **Synthesis, electrochemistry and in situ Spectroelectrochemistry of soluble lead phthalocyanines**
Dincer H. A. , ŞENER M. K. , Koca A., GUL A., Koçak M.
ELECTROCHIMICA ACTA, vol.53, no.9, pp.3459-3467, 2008 (Journal Indexed in SCI)
- XXXVIII. **Novel phthalocyanines bearing both quaternizable and bulky substituents**
Dincer H. A. , KOCA A., Gul A., KOCak M.
DYES AND PIGMENTS, vol.76, no.3, pp.825-831, 2008 (Journal Indexed in SCI)
- XXXIX. **Synthesis and characterization of a new tetracationic phthalocyanine**
Karaoglu H. R. P. , GUEL A., KOCak M.
DYES AND PIGMENTS, vol.76, no.1, pp.231-235, 2008 (Journal Indexed in SCI)
- XL. **Synthesis and electrochemical characterization of biphenyl-malonic ester substituted cobalt, copper, and palladium phthalocyanines**
Sener M. K. , KOCA A., GUEL A., KOCak M.
POLYHEDRON, vol.26, no.5, pp.1070-1076, 2007 (Journal Indexed in SCI)
- XLI. **Tuning of phthalocyanine absorption ranges by additional substituents**
Dincer H. A. , GUL A., Kocak M.
DYES AND PIGMENTS, vol.74, no.3, pp.545-550, 2007 (Journal Indexed in SCI)
- XLII. **Investigation of the electrocatalytic activity of metallophthalocyanine complexes for hydrogen production from water**
Koca A., SENER M. K. , KOCak M., Gul A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.31, no.15, pp.2211-2216, 2006 (Journal Indexed in SCI)
- XLIII. **Spectroelectrochemical characterization and controlled potential chronocoulometric demetallation of tetra- and octa-substituted lead phthalocyanines**
Koca A., DINCER H. A. , CERLEK H., GUL A., Kocak M.
ELECTROCHIMICA ACTA, vol.52, no.3, pp.1199-1205, 2006 (Journal Indexed in SCI)
- XLIV. **EPR studies on Cu²⁺ and Co²⁺ complexes of tetraaza porphyrin derivatives**
Guner S., SENER M. K. , DINCER H., Koseoglu Y., Kazan S., Koçak M.
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- XLV. **Electrochemical characterization of Co(II) and Pd(II) phthalocyanines carrying diethoxymalonyl and carboxymethyl substituents**

- Koca A., DINCER H., Kocak M., GUL A.
RUSSIAN JOURNAL OF ELECTROCHEMISTRY, vol.42, no.1, pp.31-37, 2006 (Journal Indexed in SCI)
- XLVI. **Structure of Di tert butyl 3 4 dicyanophenyl hydroxy malonate**
Koçak M.
ANALYTICAL SCIENCES, vol.0, no.22, pp.73-0, 2006 (Journal Indexed in SCI Expanded)
- XLVII. **Diethyl 2-(3,4-dicyanophenyl)-2-[(2-naphthyl)methyl] malonate**
Yildirim S., AKKURT M. C., SENER M., Kocak M., FUN H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (Journal Indexed in SCI)
- XLVIII. **Electrochemical characterization of phthalocyanine derivatives carrying a bulky triester unit on each benzo group**
Koca A., SENER M., Kocak M., GUL A.
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- XLIX. **Synthesis and spectral properties of tetra and octa substituted lead phthalocyanines**
DİNÇER H., Hatice c., GÜL A., KOÇAK M.
Main Group Chemistry, no.4, pp.209, 2005 (Journal Indexed in SCI)
- L. **Electrochemical, spectroelectrochemical, and pyridine binding properties of tetrathia macrocycle-bridged dimeric cobalt phthalocyanine**
Yilmaz I., KOÇAK M.
POLYHEDRON, vol.23, no.7, pp.1279-1285, 2004 (Journal Indexed in SCI)
- LI. **A novel route to 4-chloro-5-alkyl-phthalonitrile and phthalocyanines derived from it**
Dincer H., Gul A., KOÇAK M.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.8, no.10, pp.1204-1208, 2004 (Journal Indexed in SCI)
- LII. **A new double-decker Lu(III) diphthalocyanine with eight peripheral benzo(15-crown-5) units**
Kocak M., CIHAN A., GURSOY S., OKUR A., GUL A., BEKAROGLU O.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.33, no.9, pp.1527-1533, 2003 (Journal Indexed in SCI)
- LIII. **Synthesis of tetra tricarbethoxy and tetra dicarboxy substituted soluble phthalocyanines**
ŞENER M. K., GÜL A., KOÇAK M.
Journal of porphyrins and Phthalocyanines, no.7, pp.617, 2003 (Journal Indexed in SCI Expanded)
- LIV. **Synthesis and complexation of a novel soluble vic-dioxime ligand**
Gursoy S., CIHAN A., Kocak M., BEKAROGLU O.
MONATSFESTE FÜR CHEMIE, vol.132, no.8, pp.967-972, 2001 (Journal Indexed in SCI)
- LV. **Synthesis of new metal-free and metal-containing phthalocyanines with tertiary or quaternary aminoethyl substituents**
Gursoy S., CIHAN A., Kocak M., BEKAROGLU O.
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- LVI. **Double-decker lutetium(III) diphthalocyanine with eight crown ether substituents**
Kocak M.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.4, no.8, pp.742-744, 2000 (Journal Indexed in SCI)
- LVII. **Novel crown ether-substituted phthalocyanines**
Kocak M., CIHAN A., OKUR A., Gul A., BEKAROGLU O.
DYES AND PIGMENTS, vol.45, no.1, pp.9-14, 2000 (Journal Indexed in SCI)
- LVIII. **Copper(II) and palladium(II) complexes of N,N'-bis(2-hydroxyethyl)stilbenediamine**
Kocak M.
TRANSITION METAL CHEMISTRY, vol.25, no.2, pp.231-233, 2000 (Journal Indexed in SCI)
- LIX. **Synthesis and characterization of a new 2,2'-azoquinoxaline and its complexes with platinum and palladium**
Gursoy S., Kocak M., Bekaroglu O.
MONATSFESTE FÜR CHEMIE, vol.131, no.2, pp.181-185, 2000 (Journal Indexed in SCI)
- LX. **Synthesis and complexation of a novel soluble vic-dioxime with hydroxyethyl pendant arms**

- Gursoy S., Kocak M., CIHAN A., GUL A., BEKAROGLU O.
TRANSITION METAL CHEMISTRY, vol.25, no.4, pp.474-477, 2000 (Journal Indexed in SCI)
- LXI. **Protonation and Coordination Properties of four 14 Membered Tetraaza macrocycles Symmetrically linked to Phthalocyanines**
AVCIATA U., BOZDOĞAN A., KOÇAK M., GÜL A., Ali İhsan O., Bekaroğlu Ö.
Monatshefte für Chemie, no.130, pp.283, 1999 (Journal Indexed in SCI Expanded)
- LXII. **Synthesis and complexation of a novel soluble vic-dioxime**
Kocak M., BEKAROGLU O.
JOURNAL OF COORDINATION CHEMISTRY, vol.47, no.2, pp.359-368, 1999 (Journal Indexed in SCI)
- LXIII. **Catalytic decomposition of hydrogen peroxide with crowned ether phthalocyanines**
Ion R. M. , KOÇAK M., Özer B.
Progress in Catalysis, vol.7, pp.113-118, 1998 (Journal Indexed in SCI Expanded)
- LXIV. **INVESTIGATIONS OF THE INTERACTION OF 4',5'-BIS(SALICYLIDENEIMINO) BENZO-15-CROWN-5 WITH TRANSITION AND ALKALI METAL IONS AND THE URANYL CATION**
Avcıata U., BOZDOĞAN A., Koçak M., GUL A., BEKAROGLU O.
JOURNAL OF COORDINATION CHEMISTRY, vol.35, pp.319-323, 1995 (Journal Indexed in SCI)
- LXV. **NOVEL 2-FOLD-MACROCYCLE-SUBSTITUTED PHTHALOCYANINES**
KOCAK M., OKUR A., BEKAROGLU O.
JOURNAL OF THE CHEMICAL SOCIETY-DALTON TRANSACTIONS, no.3, pp.323-326, 1994 (Journal Indexed in SCI)
- LXVI. **SYNTHESIS AND CHARACTERIZATION OF PHTHALOCYANINES CONTAINING 4 14-MEMBERED TETRAAZA MACROCYCLES**
KOCAK M., GUREK A., GUL A., BEKAROGLU O.
CHEMISCHE BERICHTE, vol.127, no.2, pp.355-358, 1994 (Journal Indexed in SCI)
- LXVII. **SYNTHESIS AND CHARACTERIZATION OF NOVEL PHTHALOCYANINES SUBSTITUTED WITH 4 TETRAAZA MACROCYCLES**
KOCAK M., CIHAN A., OKUR A., BEKAROGLU O.
JOURNAL OF THE CHEMICAL SOCIETY-CHEMICAL COMMUNICATIONS, no.8, pp.577-578, 1991 (Journal Indexed in SCI)
- LXVIII. **THE SYNTHESIS AND COMPLEX-FORMATION OF N-(2-METHYLPYRIDYL)AMINOGLYOXIME**
KOCAK M., BEKAROGLU O.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.15, no.4, pp.479-491, 1985 (Journal Indexed in SCI)
- LXIX. **SYNTHESIS OF ETHANE-1,2-BIS(THIOGLYOXIME) AND ITS COMPLEXES WITH NICKEL(II), COPPER(II), COBALT(III), CADMIUM(II), AND URANYL(VI)**
KOCAK M., BEKAROGLU O.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.14, no.5, pp.689-701, 1984 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **PDT Uygulamaları İçin Non-Periferik Konumlarda 3,5-Bis(Triflorometil)Fenoksi Gruplarını İçeren Yeni Tetrasubstitüe Çinko Ftalosiyanın Sentezi** 31. Ulusal Kim ya Kongresi
Çelik Ç., SAĞLAM Ö., KOÇAK M.
31. Ulusal Kim ya Kongresi, Turkey, 10 - 13 September 2019
- II. **Nonlinear Optik Uygulamaları için 3,5-Bis(Triflorometil)Fenoksi Grupları İçeren Yeni Push-Pull Asimetrik Çinko Ftalosiyanın Sentezi ve Karakterizasyonu**
AHMETALİ E., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
31. Ulusal Kim ya Kongresi, Turkey, 10 - 13 September 2019
- III. **A NEW TYPE OF TETRASUBSTITUTED ZINC PHTHALOCYANINECONTAINING 3,5 - BIS(TRIFLUOROMETHYL)PHENOXY GROUPS ATPERIPHERAL POSITIONS**

KORKMAZ E., AHMETALİ E., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.

International Congress on Fundamental and Applied Sciences, Macedonia, 18 - 22 June 2018

- IV. **Synthesis, Characterization, and Spectral Properties of a Novel Symmetrical Indium Phthalocyanine**
Farajzadeh N., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
International Congress on Fundamental and Applied Sciences, Macedonia, 18 - 22 June 2018
- V. **Synthesis, Characterization and Spectral Properties of a Novel Symmetrical Palladium Phthalocyanine**
Farajzadeh N., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
20. Frühjahrssymposium-FJS, konstanzt, Germany, 21 - 24 March 2018
- VI. **Nonlinear Optical Absorption and Refraction Properties of Zinc Phthalocyanine Compounds**
ERDEM M., EDEŞ HUYAL F. K. , ERYÜREK G., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
The congress of International Turkish World Engineering and Science, 7 - 10 December 2017
- VII. **Synthesis And Characterization Of New Tetrasubstituted Phthalocyanines With Fluoride Groups For Third-Order Nonlinear Optical Applications**
PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
4. International Turk-Pak Conference on Chemical Sciences, 26 - 28 October 2017
- VIII. **Novel Phthalocyanines for Nonlinear Optic Applications**
PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
8. International Advanced Technologies Symposium, 19 - 22 October 2017
- IX. **A New Zinc Phthalocyanine Substituted with 4-(Trifluoromethoxy)-Thiophenol Groups**
SAĞLAM Ö., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
3. International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 September 2017
- X. **Crystal Structure of Ferrocenyl Conjugated Phthalocyanine**
ILGIN N., ATSAY A., HAMURYUDAN E., KOÇAK M., GÜL A.
4th European Crystallography School, 2 - 07 July 2017
- XI. **Synthesis, Characterization, and Spectral Properties of a Novel Octasubstituted Zinc Phthalocyanine**
Farajzadeh N., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
19. JCF-Frühjahrssymposium, 29 March - 01 April 2017
- XII. **X Ray Structures of New hexadeca Substituted Phthalocyanines**
ATSAY A., KOÇAK M.
14th International Congress of Young Chemists, Czestochowa, Poland, 5 - 09 October 2016
- XIII. **Synthesis And Characterization Of A New Palladium Phthalocyanine Substituted With 3 5 Bis Trifluoromethyl Phenoxy Groups**
Ahmetali E., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
The 11th International Symposium on Macrocyclic and Supramolecular Chemistry, Seoul, South Korea, 10 - 14 July 2016
- XIV. **Synthesis Characterization And Spectral Properties of A Novel Tetrasubstituted Zinc Phthalocyanine**
Farajzadeh N., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.
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- XV. **A Novel Octasubstituted Zinc Phthalocyanine Containing 4 Trifluoromethoxy Thiophenol Groups**
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