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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Anorganik Kimya, Turkey 2017 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2015 - 2017

Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Kimya, Turkey 2011 - 2015

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, 3,5-Bis(Triflorometil)Fenoksi Grupları İçeren Simetrik Ve Asimetrik Çinko Ftalosiyanınların Sentezi Ve Karakterizasyonu, Istanbul Technical University, Kimya, 2017

Research Areas

Chemistry, Inorganic Chemistry, Inorganic Ring Compounds, Natural Sciences

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Zinc Phthalocyanine Core-First Star Polymers Through Nitroxide Mediated Polymerization and Nitroxide Exchange Reaction**
AHMETALİ E., Kocaarslan A., Bräse S., Théato P., Kasım Şener M. K.
Macromolecular Rapid Communications, vol.46, no.1, 2025 (SCI-Expanded)
- II. **Poly(oxanorbornene)s bearing triphenylphosphonium and PEGylated zinc(ii) phthalocyanine with**

boosted photobiological activity and singlet oxygen generation

AHMETALÍ E., Galstyan A., Suer N. C., EREN T., ŞENER M. K.
POLYMER CHEMISTRY, vol.14, pp.259-267, 2022 (SCI-Expanded)

- III. **Synthesis, photophysical and photochemical properties of unsymmetrical zinc(II) phthalocyanines bearing 8-hydroxyquinoline unit**
AHMETALÍ E., YILDIZ B., Ahi E. E., DURMUŞ M., ŞENER M. K.
POLYHEDRON, vol.226, 2022 (SCI-Expanded)
- IV. **Effect of direct linkage of pyrazole carboxylic acid acceptor/anchoring group on the photovoltaic performance for phthalocyanine-sensitized solar cells**
YILDIZ B., AHMETALÍ E., Arslan B. S., Mengeş N., NEBİOĞLU M., ŞİŞMAN İ., ŞENER M. K.
DYES AND PIGMENTS, vol.206, 2022 (SCI-Expanded)
- V. **Zinc(II) phthalocyanine-viologen dyads: synthesis, electrochemistry, spectroelectrochemistry, electrodeposition, and electrochromism**
YILDIZ B., AHMETALÍ E., BUDAK Ö., KOCA A., ŞENER M. K.
NEW JOURNAL OF CHEMISTRY, vol.46, no.16, pp.7410-7423, 2022 (SCI-Expanded)
- VI. **Synthesis and antioxidant activity of zinc(II) phthalocyanine tetranitroxide**
Korkut S., AHMETALÍ E., BİLGİ M., Karataş Ö., YERLİ Y., PEKSEL A., ŞENER M. K.
POLYHEDRON, vol.197, 2021 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **Photodynamic therapy activities of phthalocyanine-based macromolecular photosensitizers on MCF-7 breast cancer cells**
AHMETALÍ E., Sen P., Suer N. C., Nyokong T., EREN T., ŞENER M. K.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.58, no.11, pp.748-757, 2021 (SCI-Expanded)
- IX. **Enhanced Light-Driven Antimicrobial Activity of Cationic Poly(oxanorbornene)s by Phthalocyanine Incorporation into Polymer as Pendants**
AHMETALÍ E., Sen P., Suer N. C., AKSU M. B., Nyokong T., EREN T., ŞENER M. K.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.221, no.24, 2020 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **Investigation of photophysical and photochemical properties of phthalocyanines bearing fluorinated groups**
Korkmaz E., Ahmetali E., Atmaca G., Karaoglu H. P., Erdoğan A., Kocak M. B.
Monatshefte für Chemie, vol.151, pp.181-190, 2020 (SCI-Expanded)
- XII. **Photophysical and photochemical properties of newly synthesized zinc(II) and chloroindium(III)phthalocyanines substituted with 3,5-bis(trifluoromethyl)phenoxy groups**
Ahmetali E., Atmaca G., Karaoglu H. P., Erdoğan A., Kocak M. B.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, pp.960-968, 2019 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **aPDT Activity of Cationic Copolymers with Dual Function: Synergistic Effect of Poly(oxanorbornene) and Phthalocyanine**
Ahmetali E., Şen P., Suer N. C., Aksu M. B., Nyokong T., Eren T., Şener M. K.
19th Congress of the European Society for Photobiology, Salzburg, Austria, 30 August - 03 September 2021, pp.30

- II. **Nonlinear Optik Uygulamaları İçin 3,5-Bis(Triflorometil)Fenoksi Grupları İçeren Yeni Push-Pull Asimetrik Çinko Ftalosiyanın Sentezi Ve Karakterizasyonu**
Ahmetali E., Pekbelgin Karaoğlu H. R., Koçak M.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 September 2019, pp.234
- III. **A New Type Of Tetrasubstituted Zinc Phthalocyanines Containing 3,5-Bis(Trifluoromethyl)Phenoxy Groups At Peripheral Positions**
Korkmaz E., Ahmetali E., Pekbelgin Karaoğlu H. R., Koçak M.
International Congress on Fundamental and Applied Sciences, Skopje, Macedonia, 18 June 2018, pp.1056
- IV. **Synthesis and Characterization of a New Palladium PhthalocyanineSubstituted With 3,5 - Bis(Trifluoromethyl)Phenoxy Groups**
Koçak M., Ahmetali E., Pekbelgin Karaoğlu H. R.
11th International Symposium on Macrocyclic and Supramolecular Chemistry, Seoul, South Korea, 10 June 2016, pp.92
- V. **New Type Of Phthalocyanines Containing 3,5 - Bis(Trifluoromethyl)Phenoxy Groups At Peripheral Positions**
Ahmetali E., Pekbelgin Karaoğlu H. R., Koçak M.
18th JCF-Frühjahrssymposium, Kiel, Germany, 16 March 2016, pp.94

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