

Prof. Orhan Güney

Personal Information

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Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1990 - 1997

Foreign Languages

English

Dissertations

Post Graduate, Development And Application Of Fluorescent Nanosensor Based On Carbon Dots Coated With Molecularly Imprinted Polymers, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya, 2019

Post Graduate, Moleküler İmprint Sol-Jel Polimer Kaplı Kuantum Noktaların Sentezi Ve Optik Sensör Uygulaması, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya, 2019

Post Graduate, Synthesis And Sensor Application Of Reusable Fluorescent Uranyl-Imprinted Polimer Gels, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya, 2018

Post Graduate, İyon Seçici Sol-Jel Film Sentezi Ve Optik Sensör Olarak Kullanımı, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya, 2018

Post Graduate, • Design And Synthesis Of Molecularly Imprinted Stimuli-Responsive Hybrid Sol-Gels For Sustained Release Of Donepezil, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya, 2018

Research Areas

Chemistry, Physical Chemistry, New Technologies in Polymer Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul Technical University, Kimya Bölümü, 2016 - Continues

Associate Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2003 - 2016

Professional Experience

Fakülte Yönetim Kurulu Üyesi, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2012 - 2015

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

1. Electrochemical and spectrophotometric detection of malachite green in aqueous system using

imprinted sol-gel polymer-capped quantum dots

Arslan T., Güney S., Güney O.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.100, no.7, pp.808-824, 2020

(Journal Indexed in SCI)

- II. **Ratiometric sensor based on imprinted quantum dots-cationic dye nanohybrids for selective sensing of dsDNA**
Güney O.
Analytical Biochemistry, vol.591, pp.113540, 2020 (Journal Indexed in SCI Expanded)
- III. **Encapsulation and characterisation of cationic benzo[a]phenoxazines in zeolite HY**
Güney O., Goncalves M. S. T., Fonseca A. M., Soares O. S. G. P., Pereira M. F. R., Neves I. C.
NEW JOURNAL OF CHEMISTRY, vol.43, no.39, pp.15785-15792, 2019 (Journal Indexed in SCI)
- IV. **Monitoring the Instant Creation of a New Fluorescent Signal for Evaluation of DNA Conformation Based on Intercalation Complex**
Uzumcu A. T., Güney O., Okay O.
JOURNAL OF FLUORESCENCE, vol.28, pp.1325-1332, 2018 (Journal Indexed in SCI)
- V. **Highly Stretchable DNA/Clay Hydrogels with Self-Healing Ability**
Uzumcu A. T., Güney O., Okay O.
ACS APPLIED MATERIALS & INTERFACES, vol.10, pp.8296-8306, 2018 (Journal Indexed in SCI)
- VI. **Development of an Electrochemical Sensor Based on Covalent Molecular Imprinting for Selective Determination of Bisphenol-A**
Güney S., Güney O.
ELECTROANALYSIS, vol.29, no.11, pp.2579-2590, 2017 (Journal Indexed in SCI)
- VII. **Synthesis and characterization of quinoline-derived fluorescent sol-gel-imprinted polymer as a chemosensor for sensing of uranyl ion**
Güney O., ATCAKAN E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.81, no.2, pp.534-543, 2017 (Journal Indexed in SCI)
- VIII. **Nanocomposite DNA hydrogels with temperature sensitivity**
Uzumcu A. T., Güney O., Okay O.
POLYMER, vol.100, pp.169-178, 2016 (Journal Indexed in SCI)
- IX. **Selective recognition of palladium based on functional mono phthalocyanines; synthesis, characterization and photophysical properties**
Yarasir M. N., Aytakin A., Kandaz M., Güney O.
JOURNAL OF LUMINESCENCE, vol.177, pp.342-348, 2016 (Journal Indexed in SCI)
- X. **A novel electrochemical sensor for selective determination of uranyl ion based on imprinted polymer sol-gel modified carbon paste electrode**
Güney S., Güney O.
SENSORS AND ACTUATORS B-CHEMICAL, vol.231, pp.45-53, 2016 (Journal Indexed in SCI)
- XI. **Mercuric ion-induced signaling by a dual turn-off/on switching of a quinoline-based fluorescent sensor**
Kahraman U., Güney O.
JOURNAL OF LUMINESCENCE, vol.170, pp.155-160, 2016 (Journal Indexed in SCI)
- XII. **Stimuli-responsive molecularly imprinted hybrid polymer gel as a potential system for controlled release**
Güney O., SERIN E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, no.4, 2016 (Journal Indexed in SCI)
- XIII. **Development and characterization of ion-imprinted sol-gel-derived fluorescent film for selective recognition of mercury(II) ion**
Karagoz F., Güney O.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.76, no.2, pp.349-357, 2015 (Journal Indexed in SCI)
- XIV. **Elucidation of Selectivity for Uranyl Ions with an ICT Organosilane-Modified Fluorescent Receptor**
Karagoz F., Güney O.

JOURNAL OF FLUORESCENCE, vol.24, no.3, pp.727-733, 2014 (Journal Indexed in SCI)

XV. Acridine-derived receptor for selective mercury binding based on chelation-enhanced fluorescence effect

Karagoz F., Güney O., Kandaz M., Bilgili A. T.

JOURNAL OF LUMINESCENCE, vol.132, no.10, pp.2736-2740, 2012 (Journal Indexed in SCI)

XVI. Synthesis and photophysical properties of metallophthalocyanines substituted with a benzofuran based fluoroprobe

Yarasir M. N., Kandaz M., Güney O., SALİH B.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.93, pp.379-383, 2012 (Journal Indexed in SCI)

Supported Projects

Güney O., Alaca S., Project Supported by Higher Education Institutions, Duyarlı moleküler imprint hibrit soljellerin sentezi ve Donepezil kontrollü salınımında kullanılması, 2017 - 2018

Güney O., Project Supported by Higher Education Institutions, Uranil iyonunun seçici algılanması için floresan iyon-imprint polielektrolit hidrojel, 2016 - 2018

Güney O., Project Supported by Higher Education Institutions, METAL İYONLAR İÇİN İYON-İMPRİNT SOL-JEL TÜREVLİ FLORESAN SENSÖRLERİN GELİŞTİRİLMESİ VE KARAKTERİZE EDİLMESİ, 2015 - 2018

Güney O., Project Supported by Higher Education Institutions, İyon-İmprit Sol-Jel Film Sentezi ve optik Sensör Olarak Kullanımı, 2014 - 2018

Güney O., Project Supported by Higher Education Institutions, Metal İyonların Seçici Optik Algılanması İçin Floresans Malzemelerin Tasarımı, 2014 - 2018

Güney O., Project Supported by Higher Education Institutions, Metal İyonları İle Koordinasyon Sonucunda Arttırılmış Sinyal Cevabına Dayalı Floresans Sensörler, 2012 - 2018

Güney O., Project Supported by Higher Education Institutions, METAL İYONU BELİRLENMESİNDE KİMYASAL SENSÖRLER OLARAK İMPRİT EDİLMİŞ FLORESANS POLİMERLER, 2010 - 2018

Güney O., Project Supported by Higher Education Institutions, Gümüş İyonu İçin Floresan Kimyasal Sensor Olarak Benzofuran Sübstituent İçerikli Yeni Ftalosiyenin, 2008 - 2018

Güney O., Project Supported by Higher Education Institutions, Floresan Nanoparçacık ile Doplanmış Hibrit Sol-Jellerin Sensör Uygulamaları, 2016 - 2016

Güney O., Project Supported by Higher Education Institutions, Yeni Floresans Molekül Sentezi ve Ağır Metal İyonlarının Seçici Belirlenmesi, 2014 - 2015

Güney O., Project Supported by Higher Education Institutions, Hedef Kimyasala Duyarlı Jellerin Sentezi ve Kimyasal Sensörlerde Kullanımı, 2012 - 2015

Güney O., Project Supported by Higher Education Institutions, Kimyasal Sensörlerde Tanıma Elemanları Olarak İyon-İmprit Polimerlerin Sentezi, 2008 - 2009

Güney O., Project Supported by Higher Education Institutions, Moleküler İmpriting Esaslı Kimyasal Sensörlerin Geliştirilmesi, 2005 - 2007

Edit Congress and Symposium Activities

The Influence of Parameters on Gelation Time of Organically Modify Silica Impregnated with Phthalocyanines, Working Group, Poznan, Poland, 2016

The Synthesis and Characterization of Ormosil Containing Phthalocyanines with Catalytic Property, Working Group, Poznan, Poland, 2016

Citations

Total Citations (WOS):594

h-index (WOS):14