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Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2001 - 2005
Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), Turkey 1998 - 2001
Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1994 - 1998

Dissertations

Doctorate, Polianilin ile türevlerinin paslanmaz çelik yüzeyinde elektrokimyasal sentezi ve anti-korozif özellikleri, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2005
Postgraduate, Azot içeren bazı heterosiklik maddelerin demirin asitli ortamda korozyonuna inhibitör etkilerinin kuantum kimyasal incelenmesi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), 2001

Research Areas

Chemistry, Electrochemistry, Computational Chemistry, Conductive Polymers, Polymeric Materials

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2015 - Continues
Associate Professor, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2010 - 2015
Assistant Professor, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2008 - 2010
Research Assistant PhD, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2005 - 2008
Research Assistant, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 1999 - 2005
Research Assistant, University of Florida, 2003 - 2004

Academic and Administrative Experience

Head of Department, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues
Rectorate Commissioner, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2019 - Continues
Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Elektrokimya Ve Teknolojisi Anabilim Dalı (Disiplinlerarası), 2018 - Continues
Farabi Coordinator, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Micellization, acoustic and thermodynamic study of procaine in aqueous solution at different temperatures**
SAVAROĞLU G., OCAK E., HÜR E.
Journal of Molecular Liquids, vol.340, 2021 (SCI-Expanded)

II. **Phosphate-imprinted polymer as an efficient modifier for the design of ion-selective electrode**
BİRLİK ÖZKÜTÜK E., YILDIZ B., Gündüz M., HÜR E.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.96, no.9, pp.2604-2609, 2021 (SCI-Expanded)

III. **Novel poly(2-(6-(5-oxo-4-(thiophen-2-ylmethylene)-4,5-dihydrooxazol-2-yl)naphthalen-2-yl)-4-(thiophen-2-ylmethylene)oxazol-5(4H)-one): Synthesis, electrochemical polymerization and characterization of its super capacitive properties**
Arslan A., Hur D., HÜR E.
SYNTHETIC METALS, vol.257, 2019 (SCI-Expanded)

IV. **The effect of sonication time on the surface morphology and dissolubility of naproxen sodium powders**
SAVAROĞLU G., Caglar M., Ildaser A. C., HÜR E., Ilican S.
APPLIED SURFACE SCIENCE, vol.492, pp.66-72, 2019 (SCI-Expanded)

V. **Poly(1,5-diaminonaphthalene) films for supercapacitor electrode materials: effect of electropolymerization technique on specific capacitance**
Kilic R., HÜR E., Arslan A.
CHEMICAL PAPERS, vol.71, no.7, pp.1311-1321, 2017 (SCI-Expanded)

VI. **Synthesis and electrochemical polymerization of a novel 2-(thiophen-2-yl)-4-(thiophen-2-ylmethylene)oxazol-5(4H)-one monomer for supercapacitor applications**
HÜR E., Arslan A., HÜR D.
REACTIVE & FUNCTIONAL POLYMERS, vol.99, pp.35-41, 2016 (SCI-Expanded)

VII. **Electrochemically synthesized Sn2+ doped poly(3-methylthiophene) and poly(3,4-ethylenedioxythiophene) for supercapacitors**
ÇAĞLAR M., Arslan A., Kilic R., HÜR E.
SYNTHETIC METALS, vol.206, pp.8-14, 2015 (SCI-Expanded)

VIII. **Cobalt ion-doped polyaniline, poly(N-methylaniline), and poly(N-ethylaniline): electrosynthesis and characterisation using electrochemical methods in acidic solutions**
HÜR E., Arslan A.
CHEMICAL PAPERS, vol.68, no.11, pp.1573-1583, 2014 (SCI-Expanded)

IX. **Structural and Optical Properties of Electrochemically Grown Fluorine Doped Zinc Oxide Rods**
Ozden P. B., Arslan A., Arpapay B., ILICAN S., HÜR E., ÇAĞLAR M., ÇAĞLAR Y., SERİNCAN U., Aksoy S.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.9, no.5, pp.590-595, 2014 (SCI-Expanded)

X. **Controlled growth of c-axis oriented ZnO nanorod array films by electrodeposition method and characterization**
Arslan A., HÜR E., ILICAN S., ÇAĞLAR Y., ÇAĞLAR M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.128, pp.716-723, 2014 (SCI-Expanded)

XI. **New electrode active materials for supercapacitors: Pencil graphite electrode coated with cobalt ion doped poly(3-methylthiophene) and poly(3,4-ethylenedioxythiophene)**
HÜR E., Arslan A.
SYNTHETIC METALS, vol.193, pp.81-88, 2014 (SCI-Expanded)

XII. **Electrochemical storage properties of polyaniline-, poly(N-methylaniline)-, and poly(N-ethylaniline)-coated pencil graphite electrodes**
Arslan A., HÜR E.
CHEMICAL PAPERS, vol.68, no.4, pp.504-515, 2014 (SCI-Expanded)

XIII. **The study of polythiophene, poly(3-methylthiophene) and poly(3,4-ethylenedioxythiophene) on**

pencil graphite electrode as an electrode active material for supercapacitor applications
HÜR E., Varol G. A., Arslan A.
SYNTHETIC METALS, vol.184, pp.16-22, 2013 (SCI-Expanded)

XIV. **Preparation and characterization of electrodeposited ZnO and ZnO:Co nanorod films for heterojunction diode applications**
ÇAĞLAR Y., Arslan A., ILICAN S., HÜR E., Aksoy S., ÇAĞLAR M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.574, pp.104-111, 2013 (SCI-Expanded)

XV. **Electrochemical Characterisation of Poly(aniline-co-N-methylaniline) and Poly(aniline-co-N-ethylaniline) Films on Pencil Graphite Electrode for Supercapacitor Applications**
Arslan A., HÜR E.
AUSTRALIAN JOURNAL OF CHEMISTRY, vol.66, no.7, pp.825-835, 2013 (SCI-Expanded)

XVI. **Supercapacitor Applications of Polyaniline and Poly(N-methylaniline) Coated Pencil Graphite Electrode**
Arslan A., HÜR E.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.7, no.12, pp.12558-12572, 2012 (SCI-Expanded)

XVII. **N-acylbenzotriazole mediated microwave assisted synthesis of protected and novel unprotected ferrocenoylamidoamino acids**
HÜR D., Dal S. F. E., Varol G. A., HÜR E.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.696, no.13, pp.2543-2548, 2011 (SCI-Expanded)

XVIII. **Decolorization Potential of Some Reactive Dyes with Crude Laccase and Laccase-Mediated System**
Sasmaz S., Gedikli S., AYTAR ÇELİK P., Gungormedi G., ÇABUK A., HÜR E., Unal A., Kolankaya N.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.163, no.3, pp.346-361, 2011 (SCI-Expanded)

XIX. **The corrosion protection of mild steel by single layered polypyrrole and multilayered polypyrrole/poly(5-amino-1-naphthol) coatings**
Bereket G., HÜR E.
PROGRESS IN ORGANIC COATINGS, vol.65, no.1, pp.116-124, 2009 (SCI-Expanded)

XX. **Electropolymerization of m-aminophenol on mild steel and its corrosion protection effect**
Hur E., Bereket G., Duran B., Ozdemir D., Şahin Y.
PROGRESS IN ORGANIC COATINGS, vol.60, no.2, pp.153-160, 2007 (SCI-Expanded)

XXI. **Anti-corrosive properties of polyaniline, poly(2-toluidine), and poly(aniline-co-2-toluidine) coatings on stainless steel**
Hur E., Bereket G., ŞAHİN Y.
CURRENT APPLIED PHYSICS, vol.7, no.6, pp.597-604, 2007 (SCI-Expanded)

XXII. **Corrosion performance of self-doped sulfonated polypyrrole**
Hur E., Bereket G., ŞAHİN Y.
MATERIALS CHEMISTRY AND PHYSICS, vol.100, no.1, pp.19-25, 2006 (SCI-Expanded)

XXIII. **Corrosion inhibition of stainless steel by polyaniline, poly(2-chloroaniline), and poly (aniline-co-2-chloroaniline) in HCl**
Huer E., Bereket G., ŞAHİN Y.
PROGRESS IN ORGANIC COATINGS, vol.57, no.2, pp.149-158, 2006 (SCI-Expanded)

XXIV. **Skin permeation rate as a function of chemical structure**
Katritzky A. R., Dobchev D. A., Fara D. C., Hur E., Tamm K., Kurunczi L., Karelson M., Varnek A., Solov'ev V. P.
JOURNAL OF MEDICINAL CHEMISTRY, vol.49, no.11, pp.3305-3314, 2006 (SCI-Expanded)

XXV. **Electrodeposition of polyaniline, poly(2-iodoaniline), and poly(aniline-co-2-iodoaniline) on steel surfaces and corrosion protection of steel**
Bereket G., Hur E., ŞAHİN Y.
APPLIED SURFACE SCIENCE, vol.252, no.5, pp.1233-1244, 2005 (SCI-Expanded)

XXVI. **The classification of solvents by combining classical QSPR methodology with principal component analysis**
Katritzky A., Fara D., Kuanar M., Hur E., Karelson M.
JOURNAL OF PHYSICAL CHEMISTRY A, vol.109, no.45, pp.10323-10341, 2005 (SCI-Expanded)

XXVII. **Electrochemical synthesis and anti-corrosive properties of polyaniline, poly(2-anisidine), and poly(aniline-co-2-anisidine) films on stainless steel**
Bereket G., Hur E., ŞAHİN Y.
PROGRESS IN ORGANIC COATINGS, vol.54, no.1, pp.63-72, 2005 (SCI-Expanded)

XXVIII. **QSAR treatment of drugs transfer into human breast milk**
Katritzky A., Dobchev D., Hur E., Fara D., Karelson M.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.13, no.5, pp.1623-1632, 2005 (SCI-Expanded)

XXIX. **Tautomeric studies on 2-mercapto pyrimidines and their significance in corrosion process**
Bereket G., Ogretir C., Yaman M., Hur E.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.625, pp.31-38, 2003 (SCI-Expanded)

XXX. **Quantum chemical studies on some imidazole derivatives as corrosion inhibitors for iron in acidic medium**
Bereket G., Hur E., Ogretir C.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.578, pp.79-88, 2002 (SCI-Expanded)

Articles Published in Other Journals

I. **Polikarbazol ve ZnO katkılı polikarbazolün paslanmaz çelik yüzeyinde elektrokimyasal sentezi ve korozyon performanslarının araştırılması**
Uzun G., Duran B., Hür E.
AVRUPA BİLİM VE TEKNOLOJİ DERGİSİ (EJOSAT), no.34, pp.446-452, 2022 (Peer-Reviewed Journal)

II. **Metanolün Elektrokimyasal Yükseltgenmesi İçin Pt katalizör Destek Malzemesi Olarak Tiyofen Kullanımı**
Hür E., Adhami S.
Avrupa Bilim ve Teknoloji Dergisi, vol.34, no.34, pp.812-818, 2022 (Peer-Reviewed Journal)

III. **Characterization of Poly N ethylaniline and Poly Aniline co N ethylaniline as Supercapacitor Active Materials in Nonaqueous Medium**
HÜR E., Andaç A., ÇAĞLAR M.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A, vol.16, pp.39-52, 2015 (Peer-Reviewed Journal)

IV. **Inhibiton of Acidic Corrosion of low carbon stell by novel synthesized benzothiazole derivatives**
HÜR E., Görkem Ali V., GÖRGÜN K., CAN SAKARYA H.
Gazi Universty Journal of Science, vol.24, no.4, pp.699-707, 2011 (Peer-Reviewed Journal)

V. **Inhibition of Acidic Corrosion of Low Carbon Steel byNovel Synthesized Benzothiazole Derivatives**
HÜR E., VAROL G. A., GÖRGÜN K., CAN SAKARYA H.
GAZİ UNIVERSITY JOURNAL OF SCIENCE, vol.24, pp.699-707, 2011 (Scopus)

VI. **Corrosion Inhibition of Benzotriazole and N Mesyl Benzotriazole on Low Carbon Steel in Sulfuric Acid**
HÜR E., ARSLAN A., CAN SAKARYA H., HÜR D.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A, vol.12, no.1, pp.1-10, 2011 (Peer-Reviewed Journal)

VII. **Inhibition of Acidic Corrosion of Low Carbon Steel by Novel Synthesized Benzothiazole Derivatives**
HÜR E., Varol G. A., GÖRGÜN K., CAN SAKARYA H.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.24, no.4, pp.699-707, 2011 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Electrochemical Polymerization of a Novel Thiophene-Derived Monomer and Its Use as Support Material for Methanol Oxidation**

Adhami S., Dumlu Y., Kılıç G., Hür D., Hür E.
3rd International Conference on Basic Sciences and Technology (ICBAST) , Antalya, Turkey, 16 - 19 November 2023, vol.25, pp.120-133

II. **Synthesis and Some Electrochemical Properties of Carbazole Derivative Monomers for Optoelectronic Device Design**
Hür E., Yandımoğlu M., Görgün K.
3rd International Conference on Basic Sciences and Technology (ICBAST) , Antalya, Turkey, 16 - 19 November 2023, vol.25, pp.59-66

III. **Synthesis and Characterization of 3,6 - Disubstituted Carbazole Containing Fluorene and DSSC Applications**
Derince B., Görgün K., Hür E., Çağlar Y., Çağlar M.
3rd International Conference on Basic Sciences and Technology (ICBAST) , Antalya, Turkey, 16 - 19 November 2023, vol.25, pp.8-16

IV. **Organic Chemical Synthesis Of Naphthalene Derivative Carbazole Monomer And Determination Of Its HOMO-LUMO Energy Levels**
Dumlu Y., Derince B., Görgün K., Hür E.
International Conference on Basic Sciences and Technology (ICBAST), Antalya, Turkey, 16 - 19 November 2023, pp.6

V. **SYNTHESIS OF SOME CARBAZOLE-DERIVED MOLECULES AND INVESTIGATION OF THEIR ELECTROCHEMICAL AND PHOTOPHYSICAL PROPERTIES**
Görgün K., Derince B., Hür E.
International Conference on Basic Sciences and Technology (ICBAST), Antalya, Turkey, 16 - 19 November 2023, pp.9

VI. **PLATİN, PLATİN-NİKEL BİMETALİK KATALİZÖR DESTEK MALZEMESİ OLARAK POLİTİYOFENİN METANOL OKSİDASYON PERFORMANSININ İNCELENMESİ**
Dumlu Y., Coşkun Ö. F., Hür E.
EGE 8TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Turkey, 2 - 04 June 2023, pp.438-451

VII. **Polikarbazol ve ZnO katkılı polikarbazolün paslanmaz çelik yüzeyinde elektrokimyasal sentezi ve korozyon performanslarının araştırılması**
Uzun G., Duran B., Hür E.
2nd International Conference on Applied Engineering and Natural Sciences (ICAENS 2022), Konya, Turkey, 10 - 13 March 2022, pp.467-474

VIII. **Metanolün Elektrokimyasal Yükseltgenmesi İçin Pt katalizör Destek Malzemesi Olarak Tiyofen Kullanımı**
Adhami S., Hür E.
2nd International Conference on Applied Engineering and Natural Sciences, 10 - 13 March 2022

IX. **The Effect Of Sonication Time On The Crystallization Processes Of Ezetimibe**
SAVAROĞLU G., GENÇ L., ildaşer c., HÜR E., ÇAĞLAR M.
2nd International Nanoscience and Nanotechnolgy for Next Generation Conference (NaNoNG), 29 - 31 October 2015

X. **The Effect of Ultrasound on the Crystallization Processes of Naproxene Sodium**
SAVAROĞLU G., GENÇ L., İldaşer C., HÜR E., ÇAĞLAR M.
2nd Global Conference on Material Sciences, 15 - 17 October 2015

XI. **The effect of ultrasound of amplitute and expose time on the particle size and solubility of naproxene sodium**
SAVAROĞLU G., GENÇ L., ildaşer C., HÜR E., ÇAĞLAR M.
Drug Discovery and Therapy World Congress, 22 - 25 July 2015

XII. **Effect of florine dopant on the structural and morphological properties of ZnO coating by cyclic voltammetry method**
Bilgiç Özden P., Arslan A., AKSOY S., HÜR E., ÇAĞLAR M., ÇAĞLAR Y., ILICAN S.
1st International Conference on Organic Electronic Material Technologies (OEMT'2015), 25 - 28 March 2015

XIII. **Effect of florine content on diode parameters of electrodeposited nanostructure ZnO**
ILICAN S., HÜR E., ÇAĞLAR M., ÇAĞLAR Y., AKSOY S., Bilgiç Özden P., Arslan A.
1st International Conference on Functional Integrated Nano Systems (NanoFIS), 03 December 2014 - 05 January 2015

XIV. **Electrochemically grown nanstructure Flourine anion doped ZnO films and their structural and optical properties**
Bilgiç Özden P., Arslan A., Arpapay B., ILICAN S., HÜR E., ÇAĞLAR M., ÇAĞLAR Y., SERİNCAN U., AKSOY S.
14th International Nanoscience and Nanotechnolgy for Next Generation (NaNoNG), 20 - 22 August 2014

XV. **Electrochemical Properties of Aniline and ortho Substituted Anilines Comparative Experimantal and Theoretical Studies**
ÖZKÜTÜK M., ARSLAN A., HÜR E.
9th International Electrochemistry Meeting in Turkey, 25 - 29 September 2011

XVI. **Electrodeposition of polymers including reactive amine group on mild steel and copper**
Bereket G., Duran B., Hür E.
5th Kurt Schwabe Symposium-From Corrosion to Semiconductors, Erlangen, Germany, 24 - 28 May 2009

XVII. **Electropolymerization of m-aminophenol on mild steel and its corrosion protection effect**
Bereket G., Hür E., Duran B., Özdemir D., Şahin Y.
The European Corrosion Congress (EUROCORR 2007), Freiburg, Germany, 9 - 13 September 2007, pp.387

XVIII. **Tautomeric Studies ob 2-mercapto pyrimidines and their signifcance in corrosion materials**
BEREKET G., ÖĞRETİR C., ÖZKÜTÜK M., HÜR E.
VIII .Uluslararası Korozyon Sempozyumu, 9 - 12 October 2002

Supported Projects

Hür E., Project Supported by Higher Education Institutions, İletken polimer destekli yakıt hücresi uygulamaları, 2021 - 2022

Hür E., Project Supported by Higher Education Institutions, Metanol oksidayonunu için modifiye karbon elektrot tasarımı, 2020 - 2022

Hür E., Savaroğlu G., Ocak E., Project Supported by Higher Education Institutions, Bazı Lokal Anestezik İlaçların Farklı Sıcaklıklarda Kritik Misel Konsantrasyonlarının ve Moleküller Arası Etkileşmelerinin Belirlenmesi, 2017 - 2018

HÜR E., Project Supported by Higher Education Institutions, Nanoyapılı ZnO Filmlerinin Elektrokimyasal Yöntem ile Elde Edilmesi Karakterizasyonu ve Heteroeklem Diyotlarının Fabrikasyonu, 2012 - 2016

HÜR E., Project Supported by Higher Education Institutions, 2-(tiyofen-2-il)-4-(tiyofen-2-ilmetilen)oksazol-5(4H)-on Monome-rinin Kimyasal Sentezi, Elektrokimyasal Polimerizasyonu ve Süperkapasitör Uygulamalarında Elektrot Aktif Malzemesi Olarak Kullanılabilirliğinin Araştırılması, 2014 - 2015

HÜR E., Project Supported by Higher Education Institutions, 2 tiyofen 2 il 4 tiyofen 2 ilmetilen oksazol 5 4H on Monomerinin Kimyasal Sentezi Elektrokimyasal Polimerizasyonu ve Süperkapasitör Uygulamalarında Elektrot Aktif Malzemesi Olarak Kullanılabilirliğinin Araştırılması, 2014 - 2015

HÜR E., Project Supported by Higher Education Institutions, İletken Polimer Temelli Süperkapasitör Prototipi Geliştirilmesi, 2011 - 2013

Hür E., Project Supported by Higher Education Institutions, İletken Polimer Temelli Süperkapasitör Prototipinin Geliştirilmesi, 2011 - 2013

Bereket G., Hür E., Duran B., Şahin Y., Project Supported by Higher Education Institutions, İletken polimerlerin çelik ve bakır üzerinde elektrokimyasal sentezi ve korozyon performanslarının incelenmesi, 2005 - 2008

Hür E., Katritzky A. R., Project Supported by Higher Education Institutions, QSPR Treatment of Corrosion Inhibitors, 2003 - 2004

Hür E., Katritzky A. R., Other International Funding Programs, Extended Treatment of Solvent Properties, 2003 - 2004

Hür E., Katritzky A. R., Other International Funding Programs, Prediction of Gas Chromatographic Retention Times Using CODESSA PRO Software, 2003 - 2004

Hür E., Katritzky A. R., Other International Funding Programs, Skin Permiation Rate A QSPR Modeling Using CODESSA

PRO Software, 2003 - 2004
Hür E., Katritzky A. R., Other International Funding Programs, QSPR Treatment of Drugs Transfer into Human Breast Milk, 2003 - 2003

Metrics

Publication: 55
Citation (WoS): 963
Citation (Scopus): 1057
H-Index (WoS): 18
H-Index (Scopus): 18

Non Academic Experience

Eskişehir Osmangazi Üniversitesi
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