

Prof. AYSEL YURT ŞEN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-8940-2019

ScopusID: 6603143971

Yoksis Researcher ID: 10698

Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (Dr), Turkey 1997 - 2001

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (YI) (Tezli), Turkey 1994 - 1997

Undergraduate, Middle East Technical University, Faculty Of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1987 - 1994

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Düşük karbon çeliğinin 0.1 M hidroklorik asit çözeltisindeki korozyonuna kuarternar amonyum grubu içeren bileşiklerin inhibitör etkisi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (Dr), 2001

Postgraduate, Aluminyum 7075 alaşımının sodyum klorür ortamında çukur korozyonuna amino asit ve hidroksi karboksilik asitlerle nitrat iyonunun etkisi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (YI) (Tezli), 1997

Research Areas

Interface Chemistry, Electrochemistry, Computational Chemistry, Chemical and Physical Balance, Thermodynamics, Surface Chemistry

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2012 - Continues

Associate Professor, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2007 - 2012

Assistant Professor, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2001 - 2007

Research Assistant, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1994 - 2001

Academic and Administrative Experience

Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2019 - Continues
Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2017 - Continues

Courses

UZMANLIK ALAN DERSİ (YL), Postgraduate, 2016 - 2017
KATALİZ VE ADSORPSİYON, Undergraduate, 2016 - 2017
UZMANLIK ALAN DERSİ (DR), Doctorate, 2016 - 2017
CHEMISTRY, Undergraduate, 2016 - 2017
MİKRO-NANO ARAYÜZEY SÜREÇLERİ, Postgraduate, 2016 - 2017
ARAYÜZEY KİMYASI I, Undergraduate, 2016 - 2017
CHEMISTRY LABORATORY, Undergraduate, 2016 - 2017

Advising Theses

YURT A., Demir yüzeyinin kendiliğinden oluşan silan ve fosfonik asit yüzey filmleriyle modifikasyonu, Doctorate, K.AYKUT(Student), 2019
YURT A., Bronz kaplamaların endüstride kullanımının geliştirilmesi, Postgraduate, F.DUMAN(Student), 2019
YURT A., Bakırın elektrokimyasal özellikleri üzerine kendiliğinden oluşan silan filmlerinin etkisi, Postgraduate, A.ŞENOL(Student), 2014
YURT A., Asidik ortamda bakırın korozyonuna fosfonik asit yüzey filmleri etkilerinin EQCM ile incelenmesi, Postgraduate, E.SOLMAZ(Student), 2013
YURT A., Difenolik Schiff bazlarının yumuşak çelik ve alüminyumun HCl çözeltisinde korozyonuna etkileri, Postgraduate, S.ŞAFAK(Student), 2010
YURT A., Alüminyumun asidik ortamda elektrokimyasal davranışına bazı difenolik Schiff bazlarının etkileri, Postgraduate, Ö.AYKIN(Student), 2010
YURT A., Yumuşak çeliğin 0.5M H₂SO₄ çözeltisi içerisindeki korozyonuna bağlı tiyollerin inhibitör etkisi, Postgraduate, Y.MİHRİCAN(Student), 2005

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **PHOSPHONIC ACID MONOLAYERS FOR CORROSION PROTECTION OF COPPER: EQCM AND EIS INVESTIGATIONS**
Yurt A., Solmaz E.
SURFACE REVIEW AND LETTERS, vol.27, 2020 (SCI-Expanded)
- II. **An experimental and theoretical investigation on adsorption properties of some diphenolic Schiff bases as corrosion inhibitors at acidic solution/mild steel interface**
Yurt A., Duran B., Dal H.
ARABIAN JOURNAL OF CHEMISTRY, vol.7, no.5, pp.732-740, 2014 (SCI-Expanded)
- III. **Schiff bases as corrosion inhibitor for aluminium in HCl solution**
Safak S., Duran B., Yurt A., Turkoglu G.
CORROSION SCIENCE, vol.54, pp.251-259, 2012 (SCI-Expanded)
- IV. **Diphenolic Schiff bases as corrosion inhibitors for aluminium in 0.1 M HCl: Potentiodynamic polarisation and EQCM investigations**
YURT A., Aykin O.
CORROSION SCIENCE, vol.53, no.11, pp.3725-3732, 2011 (SCI-Expanded)
- V. **Determination of the second critical micelle concentration of benzyldimethyltridecylazanium chloride in aqueous solution by acoustic and conductometric measurements**

Sayaroglu G., YURT A.

Journal of Chemical Thermodynamics, vol.43, no.10, pp.1552-1556, 2011 (SCI-Expanded)

- VI. **Combined Electrochemical and Quantum Chemical Study of Some Diamine Derivatives as Corrosion Inhibitors for Copper**
YURT A., Bereket G.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.50, no.13, pp.8073-8079, 2011 (SCI-Expanded)
- VII. **Quantitative relationships between the structure of some thiol compounds and their inhibition efficiencies**
YURT A., Mihrican Y.
ANTI-CORROSION METHODS AND MATERIALS, vol.55, no.4, pp.195-203, 2008 (SCI-Expanded)
- VIII. **Effect of the molecular weight and structure of some novel water-soluble triblock copolymers on the electrochemical behaviour of mild steel**
Yurt A., Bütün V., Duran B.
MATERIALS CHEMISTRY AND PHYSICS, vol.105, no.1, pp.114-121, 2007 (SCI-Expanded)
- IX. **Electrochemical and theoretical investigation on the corrosion of aluminium in acidic solution containing some Schiff bases**
YURT A., Ulutas S., Dal H.
APPLIED SURFACE SCIENCE, vol.253, no.2, pp.919-925, 2006 (SCI-Expanded)
- X. **Inhibition efficiencies of some organic compounds on the corrosion of zinc in alkaline media**
Bereket G., Gulec M. S., YURT A.
ANTI-CORROSION METHODS AND MATERIALS, vol.53, no.1, pp.52-56, 2006 (SCI-Expanded)
- XI. **Effect of Schiff bases containing pyridyl group as corrosion inhibitors for low carbon steel in 0.1 M HCl**
YURT A., Bereket G., Kivrak A., Balaban A., Erk B.
Journal of Applied Electrochemistry, vol.35, no.10, pp.1025-1032, 2005 (SCI-Expanded)
- XII. **Quantum chemical studies on inhibition effect of amino acids and hydroxy carboxylic acids on pitting corrosion of aluminium alloy 7075 in NaCl solution**
YURT A., Bereket G., Ogretir C.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.725, pp.215-221, 2005 (SCI-Expanded)
- XIII. **Investigation on some Schiff bases as HCl corrosion inhibitors for carbon steel**
YURT A., Balaban A., Kandemir S., Bereket G., Erk B.
MATERIALS CHEMISTRY AND PHYSICS, vol.85, pp.420-426, 2004 (SCI-Expanded)
- XIV. **Inhibition of the corrosion of low carbon steel in acidic solution by selected polyelectrolytes and polymers**
Bereket G., YURT A., Turk H.
ANTI-CORROSION METHODS AND MATERIALS, vol.50, no.6, pp.422-435, 2003 (SCI-Expanded)
- XV. **Inhibition of the corrosion of low carbon steel in acidic solution by selected quaternary ammonium compounds**
Bereket G., YURT A.
ANTI-CORROSION METHODS AND MATERIALS, vol.49, no.3, pp.210-220, 2002 (SCI-Expanded)
- XVI. **Quantum mechanical calculations on some 4-methyl-5-substituted imidazole derivatives as acidic corrosion inhibitor for zinc**
Bereket G., Ogretir C., YURT A.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.571, pp.139-145, 2001 (SCI-Expanded)
- XVII. **The inhibition effect of amino acids and hydroxy carboxylic acids on pitting corrosion of aluminum alloy 7075**
Bereket G., YURT A.
CORROSION SCIENCE, vol.43, no.6, pp.1179-1195, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Yumuşak Çeliğin Asidik Korozyonuna Bir Salisilaldimin Schiff Bazinin İnhibitör Etkisi**
PINARBAŞI M. A., YURT A.
Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.23, pp.95-114, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **In-situ monitoring of undecyl phosphonic acid self-assembled monolayer chemisorption with combined EQCM and polarisation techniques**
YURT A., AYKUT K.
3rd International Conference on Pure and Applied Sciences, 2 - 06 February 2017
- II. **EQCM study of protective phosphonic acid nanolayers for acidic corrosion of iron**
YURT A., KEZBAN A.
European Materials Research Society 2016 Spring Meeting, 2 - 06 May 2016
- III. **1,4-Bis[2-(2-hidroksibenzilidenamino)fenoksi]bütanın yumuşak çelik ve alüminyumun elektrokimyasal davranışları üzerindeki etkilerinin karşılaştırılması**
Şafak S., Duran B., Yurt A.
XII. International Corrosion Symposium (KORSEM 2010), Eskişehir, Turkey, 6 - 09 October 2010, pp.461-468
- IV. **QCM ve elektrokimyasal yöntemlerle alüminyumun asidik ortamda korozyon davranışına difenolik bir Schiff bazının etkisinin incelenmesi**
Aykın Ö., Yurt A., Duran B.
XII. International Corrosion Symposium (KORSEM 2010), Eskişehir, Turkey, 6 - 09 October 2010, pp.410-417

Supported Projects

YURT ŞEN A., Project Supported by Higher Education Institutions, Demir Yüzeyinin Fosfonik Asit, Silan ve Amin Türevleriyle Modifikasyonu, 2015 - 2018

Metrics

Publication: 25
Citation (WoS): 1340
Citation (Scopus): 1583
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