

## Assoc. Prof. AYLİN AYTAÇ

### Personal Information

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### International Researcher IDs

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ScopusID: 7003492010

Yoksis Researcher ID: 133901

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1997 - 2004

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), Turkey 1993 - 1997

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 1987 - 1992

### Foreign Languages

English, C1 Advanced

Norwegian, A2 Elementary

### Dissertations

Post Doctorate, Nano Tin Oxide Activated Carbon Composites as Cathode Catalyst Support For High-Temperature Polymer Electrolyte Membrane Fuel Cell, Gazi University, 2016

Doctorate, AA3102 alüminyum alaşımının ve eser element içeren alüminyum alaşımlarının elektrokimyasal özelliklerine ısıl işlem ve yüzey ön işlemlerinin etkisi, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2004

Postgraduate, Sübstitüe benzil bromürlerin polimerik nükleofiller varlığında solvoliz tepkimelerinin kinetiği ve mekanizması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), 1997

### Research Areas

Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Gazi University, Fen Fakültesi, Kimya, 2016 - Continues

Assistant Professor, Gazi University, Fen Fakültesi, Kimya, 2008 - 2019

Assistant Professor, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Enerji Sistemleri Bölümü, 2006 - 2007

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 2004 - 2006

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 1994 - 2004

## Academic and Administrative Experience

Adaptation/Exemption Committee Member, Gazi University, 2020 - Continues

## Courses

KİM 103 GENEL KİMYA Şube 4 ( G.Ü.MMF-MÜHENDİSLİK ORTAK DERSLER, 44 ÖĞRENCİ), Undergraduate, 2017 - 2018  
KİM 103 GENEL KİMYA ( G.Ü.MMF-MÜHENDİSLİK ORTAK DERSLER, ŞUBE 6-31 ÖĞRENCİ), Undergraduate, 2017 - 2018  
5920004 YÜKSEK LİSANS TEZ ÇALIŞMASI (2 öğrenci), Undergraduate, 2017 - 2018  
KİM 151 GENEL KİMYA LABORATUVARI Şube 5 (G.Ü.MMF-MÜHENDİSLİK ORTAK DERSLER, 42 ÖĞRENCİ), Undergraduate, 2017 - 2018  
5930004 DOKTORA TEZ ÇALIŞMASI, Undergraduate, 2017 - 2018  
KİM 151 GENEL KİMYA LABORATUVARI Şube 2(G.Ü.MMF-MÜHENDİSLİK ORTAK DERSLER, 41 ÖĞRENCİ), Undergraduate, 2017 - 2018  
5940004 YÜKSEK LİSANS UZMANLIK ALAN, Undergraduate, 2017 - 2018  
KİM 151 GENEL KİMYA LABORATUVARI Şube 2(G.Ü.MF-MÜHENDİSLİK ŞUBE 9-35 ÖĞRENCİ), Undergraduate, 2017 - 2018  
5940004 DOKTORA UZMANLIK ALAN, Undergraduate, 2017 - 2018  
5161304 KOROZYON, Postgraduate, 2017 - 2018  
KİM 151 GENEL KİMYA LABORATUVARI Şube 2(G.Ü.MF-MÜHENDİSLİK ŞUBE 4-28 ÖĞRENCİ), Undergraduate, 2017 - 2018  
5761304 POLİMER FİZİKOKİMYASI, Postgraduate, 2017 - 2018  
5261304 İLERİ ELEKTROKİMYA, Postgraduate, 2017 - 2018  
KİM 103 GENEL KİMYA ( G.Ü.MMF-MÜHENDİSLİK ORTAK DERSLER, ŞUBE 5-42 ÖĞRENCİ), Undergraduate, 2017 - 2018  
KİM 103 GENEL KİMYA Şube 2 ( G.Ü.MMF-MÜHENDİSLİK ORTAK DERSLER, 48 ÖĞRENCİ), Undergraduate, 2017 - 2018  
5950004 YÜKSEK LİSANS UZMANLIK ALAN, Doctorate, 2016 - 2017  
KİM 151 GENEL KİMYA LABORATUVARI (G.Ü.MMF-MÜHENDİSLİK ORTAK DERSLER, 48 ÖĞRENCİ), Undergraduate, 2016 - 2017  
KİM 103 GENEL KİMYA (G.Ü.TEKNOLOJİ FAKÜLTESİ-MÜHENDİSLİK ORTAK DERSLER, 52 ÖĞRENCİ), Undergraduate, 2016 - 2017  
5940004 DOKTORA UZMANLIK ALAN , Doctorate, 2016 - 2017  
KİM 103 GENEL KİMYA (G.Ü.TEKNOLOJİ FAKÜLTESİ-MÜHENDİSLİK ORTAK DERSLER, 50 ÖĞRENCİ), Undergraduate, 2016 - 2017  
KİM 103 GENEL KİMYA ( G.Ü.MMF-MÜHENDİSLİK ORTAK DERSLER, 44 ÖĞRENCİ), Undergraduate, 2016 - 2017  
5950004 YÜKSEK LİSANS UZMANLIK ALAN, Undergraduate, 2016 - 2017

## Advising Theses

Aytaç A., Elektrodriven Extraction Of Some Metal Cations By Using Polmeric Supported Membranes, Postgraduate, G.ÇALIK(Student), 2020  
AYTAÇ A., An Investigative Study Of The Biocompatibility, Surface And Corrosion Properties Of Titanium Alloys Modified With A Novel Bionanocomposite, Doctorate, U.BESKAN(Student), 2018  
AYTAÇ A., Buji ateşlemeli motorlarda ek yakıt olarak hidrojen ilavesinin vuruntuya etkisi, Postgraduate, M.ÇELİK(Student), 2018  
AYTAÇ A., Sulfur and ash removal with sonoelectrochemistry method, Postgraduate, İ.KANAL(Student), 2016  
AYTAÇ A., Investigation of the corrosive enviroment effects on ageing of aluminium and hydroxy-terminated

polybutadiene(HTPB) based composite materials, Postgraduate, G.SEZİGEN(Student), 2013  
AYTAÇ A., Investigation of the electro-oxidation of sea water containing hydrogen sulphide using the different metal electrodes, Postgraduate, O.YILMAZ(Student), 2012  
AYTAÇ A., PREPARATION AND CHARACTERIZATION OF ACTIVATED CARBON BASED CATALYSTS, Postgraduate, F.ÖZGE(Student), 2011  
AYTAÇ A., ALKALİ YAKIT HÜCRELERİ İÇİN KARBON DESTEKLİ NİKEL, GÜMÜŞ VE NİKEL-GÜMÜŞ KATALİZÖRLERİN HAZIRLANMASI VE KARAKTERİZASYONU, Postgraduate, M.GÜRBÜZ(Student), 2010  
AYTAÇ A., Alkali yakıt hücreleri için karbon destekli nikel, gümüş ve nikel - gümüş katalizörlerin hazırlanması ve karakterizasyonu, Postgraduate, M.GÜRBUZ(Student), 2010  
AYTAÇ A., Çeşitli ftalosiyanınlerin inhibitör olarak asidik ortamda alüminyumun korozyonuna etkisi, Postgraduate, O.KAAN(Student), 2008

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Improvement in Corrosion Resistance of Tantalum Oxide and Tantalum Oxide with Diethanolamine Sol-Gel Coated Magnesium Alloys**  
Gul C., Albayrak S., Çinici H., Aytaç A.  
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.58, no.3, pp.603-614, 2022 (SCI-Expanded)
- II. **Kinetic analysis of Cr(VI) transport with electromembrane processes**  
Calik G., Kaya A., ONAÇ C., AYTAÇ A., ALPOĞUZ H. K.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.97, no.3, pp.662-667, 2022 (SCI-Expanded)
- III. **Investigation of the electro-oxidation of artificial Black Sea water by cyclic voltammetry on molybdenum (II)**  
Sanli A. E., AYTAÇ A., Mat M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.39, no.17, pp.9221-9229, 2014 (SCI-Expanded)
- IV. **Investigation of the electro-oxidation of artificial Black Sea water using cyclic voltammetry on metal sulfide electrodes (I)**  
Sanli A. E., Yilmaz O., AYTAÇ A., Mat M. D.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.39, no.14, pp.7236-7246, 2014 (SCI-Expanded)
- V. **A novel H<sub>2</sub>S/H<sub>2</sub>O<sub>2</sub> fuel cell operating at the temperature of 298K**  
Sanli A. E., Yilmaz O., AYTAÇ A.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.37, no.10, pp.1205-1212, 2013 (SCI-Expanded)
- VI. **Electrooxidation of hydrogen peroxide and sodium borohydride on Ni deposited carbon fiber electrode for alkaline fuel cells**  
AYTAÇ A., Gurbuz M., Sanli A. E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.16, pp.10013-10021, 2011 (SCI-Expanded)
- VII. **Characterization and corrosion behavior of ceramic coating on magnesium by micro-arc oxidation**  
Durdu S., AYTAÇ A., USTA M.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.509, no.34, pp.8601-8606, 2011 (SCI-Expanded)
- VIII. **Recovery of NaBH<sub>4</sub> from BH<sub>3</sub>OH- hydrolyzed intermediate on the AgI surface treated with different electrochemical methods**  
Sanli A. E., AYTAÇ A., Uysal B. Z., Aksu M. L.  
CATALYSIS TODAY, vol.170, no.1, pp.120-125, 2011 (SCI-Expanded)
- IX. **Response to Disselkamp: Direct peroxide/peroxide fuel cell as a novel type fuel cell**  
Sanli A. E., AYTAÇ A.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.1, pp.869-875, 2011 (SCI-Expanded)
- X. **Correlation in Between Inhibition Efficiencies and Stability Constants of The Schiff Bases and Their Metal Complexes**  
SARI N., AYTAÇ A.

## Articles Published in Other Journals

- I. **Effect of MgO Particle Size on Corrosion Behaviour of Aluminum MgO Composites in Aqueous 3 5 NaCl Solution**  
AYTAÇ A., SANLI A. E., GÜL F., USTA M.  
Journal of Corrosion (Korozyon), vol.20, pp.30-37, 2013 (Peer-Reviewed Journal)
- II. **Passivation of Nano Silver Electrode Supported on Carbon Fiber Using For Application of Direct Borohydride Peroxide Fuel Cells**  
AYTAÇ A., SANLI A. E.  
Journal of Corrosion (Korozyon), vol.20, pp.38-44, 2013 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Noval Cathode Catalyst Support For High-Temperature Polymer Electrolyte Membrane Fuel Cell**  
AYTAÇ A., lehnert w.  
MSNG-2018 5th International conference on materials science and nanotechnology for next generation, KAPADOKYA, Turkey, 4 - 06 October 2018, pp.197
- II. **Electrooxidation of Methanol and Sodium Borohydride on Activated Carbon supported nano-Ag Electrode for Alkaline Fuel cells**  
AYTAÇ A., SAKA K.  
MSNG- 5th International conference on materials science and nanotechnology for next generation, KAPADOKYA, Turkey, 4 - 06 October 2018, pp.196
- III. **The Inhibiting Effect of Sodium Molybdate on the Corrosion of theMild Steel in New Type of Cleaning Ink from a Printing Press**  
AYTAÇ A.  
Ancon-International Congress on Chemistry and Materials Science (ANCON2017), Ankara, Turkey, 5 - 07 October 2017, pp.230
- IV. **A Novel Nanobiocomposite for Improved Hydroxyapatite Coatings on Ti-6Al-4V Alloy**  
BESKAN U., AYTAÇ A.  
Ancon-International Congress on Chemistry and Materials Science (ANCON2017), Ankara, Turkey, 5 - 07 October 2017, pp.274
- V. **Corrosion Properties of Ti-6Al-4V Alloy Coated with a Novel Nanobiocomposite**  
BESKAN U., AYTAÇ A.  
Ancon-International Congress on Chemistry and Materials Science (ANCON2017), Ankara, Turkey, 5 - 07 October 2017, pp.273
- VI. **The Effect of Tin oxide Addition to Carbon as Supports for Pt-based Electrocatalysts for High Temperature Fuel Cells**  
AYTAÇ A., lehnert w.  
Ancon-International Congress on Chemistry and Materials Science (ANCON2017), Ankara, Turkey, 5 - 07 October 2017, pp.246
- VII. **Yeni Bir Biyonanokompozit İle Modifiye Edilmiş Titanyum İmplant Ti-6Al-4V alaşımının Yüzey ve Korozyon Özelliklerinin İncelenmesi**  
AYTAÇ A., BESKAN U.  
6.Fiziksel Kimya Kongresi, Zonguldak, Turkey, 15 - 18 May 2017, pp.46
- VIII. **PERFORMANCE of SILVER NANOPARTICLES IN THE CATALYSIS OF THE OXYGENREDUCTION REACTION FOR APPLICATION OF THE FUEL CELL**  
AYTAÇ A.

1th International Conference on Energy and Thermal Engineering (ICTE 2017), İstanbul, Turkey, 25 - 28 April 2017, pp.853

- IX. FIRST-PRINCIPLES STUDY OF SEMICONDUCTOR LIGAND COMPOUND**  
Çiftci Y., Alp İ., Aytaç A.  
1th INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017, pp.275
- X. THE CORROSION BEHAVIOUR OF ALUMINIUM MATRIX COMPOSITES IN AQUEOUS 3.5 M NaCl SOLUTION**  
AYTAÇ A., KEZBAN S., ÇİFTÇİ Y.  
1th INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017, pp.920
- XI. Electrooxidation of Methanol and Sodium Borohydride on Carbon Vulcan XC-72 Supported Nano-Ag Electrode For Alkaline Fuel Cells**  
AYTAÇ A., SAKA K.  
1 th International Conference on Energy and Thermal Engineering (ICTE 2017), İstanbul, Turkey, 25 - 28 April 2017, pp.831
- XII. Elektrocatalytic Oxidation of Methanol Ethanol and Hydrogen Peroxide on Ni Activated Carbon Modified Glassy Carbon Electrode for Alkaline Fuel Cells**  
AYTAÇ A., GÖKMEN F. Ö., SANLI A. E.  
IV.European Conference on Renewable Energy Systems (ECRES 2016) 28-31 August 2016, İstanbul TURKEY, İstanbul, Turkey, 28 - 31 August 2016, pp.76
- XIII. Synthesis of CuInSe Powder By Five Different Complexing Agent in One Step Solvothermal Method**  
YILMAZ P., ATA A., AYTAÇ A.  
IV.European Conference on Renewable Energy Systems (ECRES 2016) 28-31 August 2016, İstanbul TURKEY, İstanbul, Turkey, 28 - 31 August 2016, pp.129
- XIV. Pt SnO<sub>2</sub> as Corrosion Resistant Catalyst For High Temperature Fuel Cells**  
Lehnert W., AYTAÇ A.  
IV.European Conference on Renewable Energy Systems (ECRES 2016) 28-31 August 2016, İstanbul TURKEY, İstanbul, Turkey, 28 - 31 August 2016
- XV. Use of the Blacksea Water Containing Hydrogen Sulfide (H<sub>2</sub>S) as a Fuel Cell Fuel**  
Sanli A. E., Canan B., AYTAÇ A.  
Fuel Cell Seminar and Energy Exposition, Los-Angeles, Chile, 10 - 13 November 2014, vol.65, pp.51-58
- XVI. Use of Blacksea Water Containing Hydrogen Sulfide H<sub>2</sub>S as a Fuel Cell Fuel**  
SANLI A. E., CANAN B., AYTAÇ A.  
Fuel Cell Seminar & Energy Exposition, 10-13 November 2014, Los Angeles, USA, Los-Angeles, Chile, 10 - 13 November 2014
- XVII. Nano Tin oxide activated carbon composites as cathode Catalyst Support for High Temperature Fuel Cells**  
AYTAÇ A., LEHNERT W.  
Fuel Cell Seminar & Energy Exposition, 10-13 November 2014, Los Angeles, USA, P-155, Los-Angeles, Chile, 10 - 13 November 2014
- XVIII. Tin oxide activated carbon composites as cathode Catalyst Support for High Temperature Fuel Cells**  
AYTAÇ A., Lehnert W.  
Fuel Cells' Fuel Cell Seminar & Energy Exposition, 10-13 November 2014, Los Angeles, USA, P-155., Los-Angeles, Chile, 10 - 13 October 2014, pp.155
- XIX. Beypazarı Linyitlerinin Sonoelektrokimyasal Yöntemle İyileştirilmesi**  
KANAL İ., SANLI A. E., AYTAÇ A.  
9. Ulusal Temiz Enerji Sempozyumu UTES'2013, 25-28 Aralık 2013, Konya, 177-179, Konya, Turkey, 25 - 28 December 2013
- XX. Hibrit Sistemler için Batarya Teknolojilerinin İncelenmesi**  
BURAK G., ÖZTÜRK F., ABDULKADİR E., SANLI A. E., AYTAÇ A., GÜNLÜ G.

9. Ulusal Temiz Enerji Sempozyumu UTES'2013, Konya 25-28 Aralık 2013, 517-519, Konya, Turkey, 25 - 28 December 2013
- XXI. **Prototip hidrojen elektrikli Hibrit Microcab H2EV Araç Tasarımının incelenmesi**  
KARAAĞAÇLI M., SANLI A. E., AYTAÇ A., GÜNLÜ G.  
9. Ulusal Temiz Enerji Sempozyumu UTES'2013, Konya 25-28 Aralık 2013, 517-519, Konya, Turkey, 25 - 28 December 2013
- XXII. **Enerji Verimliliği ve Sürdürülebilirlik Açısından Elektrokimyasal Sistemlerin İncelenmesi**  
SANLI A. E., AYTAÇ A., CANAN B., GÜNLÜ G.  
9. Ulusal Temiz Enerji Sempozyumu UTES'2013, 25-28 Aralık 2013, Konya, 207-217, Turkey, 25 - 28 December 2013
- XXIII. **Taşımacılıkta Sürdürülebilir Teknoloji Olarak Yakıt Pili Batarya Hibrit Sistemler**  
SANLI A. E., AYTAÇ A., GÜNLÜ G.  
9. Ulusal Temiz Enerji Sempozyumu UTES'2013, 25-28 Aralık 2013, Konya, 633-642, Konya, Turkey, 25 - 28 December 2013
- XXIV. **Yeni tür enerji teknolojisi olan alkali yakıt hücreleri için karbon destekli nano gümüş elektrotların geliştirilmesi yakıt olarak metanol ve sodyumborhidrürün elektrooksidasyonu**  
SEFERCİOĞLU E., AY F., AYTAÇ A., SANLI A. E.  
9. Ulusal Temiz Enerji Sempozyumu UTES'2013, Konya 25-28 Aralık 2013, Konya, Turkey, 25 - 28 December 2013
- XXV. **Development a Power Management Unit for Small Direct Borohydride Fuel Cell - Li-Ion Battery Hybrid System**  
Sanli A. E., Gunlu G., AYTAÇ A.  
Fuel Cell Seminar and Exposition, Connecticut, United States Of America, 5 - 08 November 2012, vol.51, pp.273-279
- XXVI. **Electrooxidation of Hydrogen Sulfide Containing Artificial Sea Water**  
SANLI A. E., YILMAZ O., AYTAÇ A.  
1st International Industrial Water Technologies Symposium and Fair, TUYAP Fair Center Bursa TURKEY, 6-9 Aralık 2012, Proceedings Book, P-45, Bursa, Turkey, 5 - 08 November 2012
- XXVII. **Development a Power Management Unit For Small Direct Borohydride Fuel Cell Battery Hybrid System**  
SANLI A. E., GÜNLÜ G., AYTAÇ A.  
2012 Fuel Cell Seminar&Energy Exposition (FCS&EE), South Carolina Hydrogen and Fuel Cell Alliance, 5-8 November 2012, Uncasville, CONNECTICUT, USA, Connecticut, United States Of America, 5 - 08 November 2012
- XXVIII. **A Corrosion Inhibitor for Cleaning Ink From A Printing Pres**  
YILDIZ P. Ö., AYTAÇ A., ÖREN S.  
The European Corrosion Congress (EUROCORR)-2012, Sheraton İstanbul Maslak, TÜRKİYE 9-13 Eylül 2012, P-466, İstanbul, Turkey, 9 - 13 September 2012
- XXIX. **Corrosion Rate and Chirality Comparison of the Effect of R and S Dithiophosphinamides on The Mild Stil Corrosion**  
AYTAÇ A., KARAKUŞ M., BİLGİÇ A. S.  
The European Corrosion Congress (EUROCORR)-2012 , Sheraton İstanbul Maslak, TÜRKİYE 9-13 Eylül 2012, P-449, İstanbul, Turkey, 9 - 13 September 2012
- XXX. **Corrosion Inhibition of Mild Steel By 16 and 17 Membered N2O2 Donor Type dibenzo Bis Imino Crown Ethers in HCl**  
ÜÇKARDEŞ H., BİLGE KOÇAK S., BİLGİÇ A. S., YILDIZ P. Ö., AYTAÇ A.  
The European Corrosion Congress (EUROCORR)-2012, Sheraton İstanbul Maslak, TÜRKİYE 9-13 Eylül 2012, P-453, İstanbul, Turkey, 9 - 13 September 2012
- XXXI. **Development of power managment unit in a small portable direct borohydride peroxidefuel cell NiMH battery hybrid power system**  
SANLI A. E., AYTAÇ A., GÜNLÜ G.  
Fuel Cells 2012, Science and Technology, Berlin, ALMANYA, 11-12 Nisan 2012, P-51, Berlin, Germany, 11 - 12 April 2012
- XXXII. **Electrooxidation of Methanol and Sodium Borohydride on Nano Ag AC Electrode for Alkaline Fuel**

## Cells

AYTAÇ A., SANLI A. E., GÖKMEN Ö.

Fuel Cells 2012, Science and Technology, Berlin, ALMANYA, 11-12 Nisan 2012, P-41, Berlin, Germany, 11 - 12 April 2012

XXXIII. **Direct use of Methanol Ethanol and Hydrogen Peroxide on Ni AC for Alkaline Fuel Cells**

AYTAÇ A., GÖKMEN F. Ö.

Fuel Cells 2012, Science and Technology, Berlin, ALMANYA, 11-12 Nisan 2012, P-1, Berlin, Germany, 11 - 12 April 2012

XXXIV. **Electrochemistry of The Nickel Electrode as a Cathode Catalyst In The Media Of Acidic Peroxide For Application of The Peroxide Fuel Cell**

Sanli A. E., AYTAÇ A.

Fuel Cell Seminar and Exposition, Florida, United States Of America, 31 October - 03 November 2011, vol.42, pp.3-22

XXXV. **Electrooxidation of Hydrogen Peroxide on Ni Ag and Ag Ni Deposited Carbon Fiber Electrode for Alkaline Fuel cells**

GÜRBÜZ M., AYTAÇ A., SANLI A. E.

220th ECS Meeting and Electrochemical Energy Summit, Boston, Massachusetts, USA, 9-14 Ekim 2011, 118, BOSTON, United States Of America, 9 - 14 October 2011

XXXVI. **Effect of The Preparation Conditions on The Structures and Electrochemical Properties of Pt C Catalyst**

AKBAL P., AYTAÇ A., ATA A.

220th ECS Meeting and Electrochemical Energy Summit, Boston, Massachusetts, USA, 9-14 Ekim 2011, 130, BOSTON, 9 - 14 October 2011

XXXVII. **A Novel H<sub>2</sub>S H<sub>2</sub>O<sub>2</sub> Fuel Cell Operating at the Room Temperature**

SANLI A. E., AYTAÇ A.

The 6th International Green Energy Conference, Anadolu University, Eskişehir, TÜRKİYE, 5-9 Haziran 2011, 13, Eskişehir, Turkey, 5 - 10 June 2011

XXXVIII. **Ag Elektrot Kullanılarak Borhidrürün Geri Kazanımı Çalışmaları**

SANLI A. E., AYTAÇ A., AKSU M. L., UYSAL B. Z.

Ulusal Kimya Mühendisliği Kongresi, Ankara 22-25 Haziran 2010, 361-362, Ankara, Turkey, 22 - 25 October 2010

XXXIX. **Recovery of NaBH<sub>4</sub> Using Silver Electrode**

SANLI A. E., AYTAÇ A., UYSAL B. Z., AKSU M. L.

The 218th Meeting of The Electrochemical Society, Las Vegas-USA, 10-15 October 2010, Abstract no.406, LAS VEGAS, United States Of America, 10 - 15 October 2010

XL. **The Inhibition Effects of Some Schiff Bases As Corrosion Inhibitors of Aluminium in HCl**

AYTAÇ A., BİLGİÇ A. S., ANCIN N., ÖZTAŞ S. G.

XII. International Corrosion Symposium, Eskişehir, TURKEY, 06-09 Ekim 2010, 418, Eskişehir, Turkey, 6 - 09 October 2010

XLII. **Cu II Co II and Ni II complexes of Br and OCH<sub>2</sub>CH<sub>3</sub> substituted Schiff bases as Corrosion Inhibitors for Aluminium in Acidic Media**

AYTAÇ A.

EUROCORR 2010 The European Corrosion Congress, Moskova , RUSYA, 13-17 Eylül 2010, 129, Moskva, Russia, 13 - 17 September 2010

XLIII. **Yakıt Pilleri İçin Yeni Ftalosiyanimler**

ATİLLA D., AKKIZLAR T., YÜKSEL F., AYTAÇ A., AHSEN V.

24.Ulusal Kimya Kongresi, Zonguldak 29 Haziran-2 Temmuz 2010, Zonguldak, Turkey, 29 June - 02 July 2010

XLIII. **Synthesis and Cyclic Voltammetry Studies of Co II and Cu II Phthalocyanines for Fuel Cell Application**

AKKIZLAR T., YÜKSEL F., AYTAÇ A., AHSEN V., ATİLLA D.

12th JCF-Frühjahrssymposium, Göttingen-ALMANYA 17-20 March 2010, P-105, Göttingen, Germany, 17 - 20 March 2010

XLIV. **Sputter Magnetron Yöntemi ile Hazırlanan Pt Nanopartiküllerinin Oksijen İndirgenme Reaksiyon**

### **Kinetiği ve Mekanizması**

ÖZDEMİR K., AHSEN A. Ş., ÖZTÜRK O., AYTAÇ A.

IV. Ulusal Hidrojen Enerjisi Kongresi Bildiriler Kitabı, Kocaeli 15-16 Ekim 2009, 161-167, Kocaeli, Turkey, 15 - 16 October 2009

- XLV. **Yakıt Hücresi Katalizörü Olarak Magnetron Sputter Yöntemi ile Üç Farklı Kalınlıkta Ti Tabanlı Pt İnce Film Kaplamaların Hazırlanması ve Karakterizasyonu**  
ULUSOY I., AHSEN A. Ş., ÖZTÜRK O., AYTAÇ A.  
IV. Ulusal Hidrojen Enerjisi Kongresi Bildiriler Kitabı, Kocaeli 15-16 Ekim 2009, 233-236, Kocaeli, Turkey, 15 - 16 October 2009
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## **Non Academic Experience**

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