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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-9302-2011

ScopusID: 6507410164

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Education Information

Doctorate, Cukurova University, Fen Bilimleri, Kimya, Turkey 1994 - 1999

Postgraduate, Cukurova University, Fen Bilimleri, Kimya, Turkey 1990 - 1993

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1986 - 1990

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Anodik ve Katodik Tepkimeler için Elektrokatalitik Yüzeyle Elektrot Seçimi, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 1999

Postgraduate, Güneş Enerjisinden Hidrojen Yakıtı Eldesi İçin Sistem Geliştirilmesi, Cukurova University, Fen Edebiyat Fakültesi, Kimya, 1993

Research Areas

Corrosion and Corrosion Protection, Composites, Polymeric Materials, Plating, Chemistry, Physical Chemistry, Electrochemistry, Fuel Cells, Surface Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2013 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2005 - 2013

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2002 - 2005

Lecturer PhD, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 1999 - 2002

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 1993 - 1999

Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2017 - Continues

Assistant Manager of Research and Application Center, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2018 - 2020

Vice Dean, Cukurova University, Fen-Edebiyat Fakültesi, 2017 - 2020

Deputy Head of Department, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2009 - 2012

Fakülte Yönetim Kurulu Üyesi, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2009 - 2011

Courses

Fizikokimya I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Elektrokimya, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2015 - 2016

Physical Chemistry II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016

Fizikokimya I, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Hidrojen ve Enerji, Undergraduate, 2020 - 2021

Advising Theses

KARDAŞ G., Lityum Hava Pilleri İçin Karbon Temelli Gözenekli Katot Malzemesi Geliştirilmesi, Doctorate, M.Farsak(Student), 2015

KARDAŞ G., Katot Üzerinde Oksijen Gazı İndirgenmesi İçin MoO₃ Katalizörünün Kullanılması, Postgraduate, F.Tezcan(Student), 2013

KARDAŞ G., Nikel-Kobalt Kaplı Bakır Elektrotta Metanol Oksidasyonunun Araştırılması, Doctorate, E.Altunbaş(Student), 2012

KARDAŞ G., 4-Piperidin Karboksilikasitin Asidik Ortamda Bakırın Korozyon Davranışlarına Etkisinin Araştırılması, Postgraduate, E.Alet(Student), 2012

KARDAŞ G., Nikel Bizmut Kaplı Bakır Elektrotta Hidrojen Gazı Çıkışının Araştırılması, Doctorate, M.Erman(Student), 2012

KARDAŞ G., Nikel-Kadmiyum Kaplı Grafit Elektrotta Metanol Oksidasyonunun Araştırılması, Doctorate, A.Döner(Student), 2012

KARDAŞ G., Nikel Çinko Kaplı Grafit Elektrodun Metanol Oksidasyonuna Katalitik Etkisinin Araştırılması, Doctorate, E.Telli(Student), 2011

KARDAŞ G., Metal Çöktürülmüş Karbon Nanotüp Elektrotta Metanol Oksidasyonunun Araştırılması, Postgraduate, M.Farsak(Student), 2011

KARDAŞ G., Kükürt İçeren Bazı Organik Maddelerin Asidik Ortamda Yumuşak Çeliğin Korozyonuna Etkilerinin İncelenmesi, Doctorate, A.Ongun(Student), 2011

KARDAŞ G., Karbon Keçe Üzerine Ni ve NiCo Çöktürülerek hidrojen gazı çıkışına Etkilerinin Araştırılması, Postgraduate, İ.Karcı(Student), 2010

KARDAŞ G., Nikel-Bakır Çöktürülmüş Karbon Keçe Elektrotta Hidrojen Gazı Çıkışının Araştırılması, Postgraduate, Y.İşcanlı(Student), 2010

KARDAŞ G., Hidrojen Gazı Eldesi ve Metanol Elektrooksidasyonu için Katalitik Elektrot Geliştirilmesi, Doctorate, R.Solmaz(Student), 2009

KARDAŞ G., Polirodanininin Bakır Üzerine Elektrokimyasal Sentezi ve Korozyon Davranışlarının Belirlenmesi, Postgraduate, E.Altunbaş(Student), 2008

KARDAŞ G., Nikel-Bakır ve Nikel-Kobalt Kaplı Bakır Elektrotlarda Hidrojen Eldesi, Postgraduate, A.Döner(Student), 2008

KARDAŞ G., Değişik elektrotların (Fe, Fe/Ni, Fe/Ni-Zn, Fe/Ni-Al) H₂ gazı eldesine etkilerinin araştırılması, Postgraduate, Ü.Türkmen(Student), 2006

KARDAŞ G., Nikel Kaplı Gümüş, Bakır ve Çinko Elektrotlarda Bazik Ortamda Hidrojen Eldesi, Postgraduate, M.Erman(Student), 2005

KARDAŞ G., Yumuşak Çeliğin Asidik Ortamdaki Korozyonuna Bazı Organik Maddelerin İnhibitör Etkilerinin İncelenmesi, Postgraduate, A.Ongun(Student), 2005
KARDAŞ G., Nikel Kaplı Platin Elektrotta Bazik Ortamda Metil Alkol Oksidasyonunun İncelenmesi, Postgraduate, E.Telli(Student), 2005
KARDAŞ G., Değişik Metal Elektrotlarla Elektrokimyasal Yolla Asidik ve Bazik Ortamlarda Hidrojen Gazı Eldesi, Postgraduate, R.Solmaz(Student), 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Constructing core-shell structured Mott-Schottky heterojunction towards remarkable hydrogen production from water/seawater splitting**
Zhang H., Li R., Huang Z., Humayun M., Xu X., Duan J., Bououdina M., Attia Y. A., KARDAŞ G., Wang C.
Journal of Alloys and Compounds, vol.1005, 2024 (SCI-Expanded)
- II. **Insights into Reaction Mechanisms in Liquid Metals from Density Functional Theory: CH₄ Pyrolysis in BiNiX (X = Cu, Al) Molten Metals as a Case Study**
Erbaşan A., TOFFOLÌ H., Toffoli D., GÖKALP İ., KARDAŞ G., ÇELİK G.
ACS Applied Energy Materials, vol.7, no.8, pp.3220-3233, 2024 (SCI-Expanded)
- III. **Bingöl propolis self-assembled monolayer films: Preparation, characterization and application as corrosion inhibitors for copper protection in NaCl environment**
Solmaz R., Dursun Y. A., Şahin E. A., Gecibesler İ. H., Doğrubuş M., Tunç M., Çağlayan N., Şahin İ., Dursun İ., Bayındır S., et al.
Materials Chemistry and Physics, vol.315, 2024 (SCI-Expanded)
- IV. **Catalytic insights into methanol electrooxidation on Ni foam modified with Bi₂O₃ - Acetylene black-rGO: Synthesis, characterization, and performance evaluation**
Aksaray G., Mert M. E., Doğru Mert B., KARDAŞ G.
International Journal of Hydrogen Energy, 2024 (SCI-Expanded)
- V. **Architecture design of \$TiO_2\$ with Co-doped CdS quantum dots photoelectrode for water splitting**
Tezcan F., Ahmad A., Kardaş G.
Turkish Journal of Chemistry, vol.47, no.5, pp.1183-1194, 2023 (SCI-Expanded)
- VI. **Production of Pt decorated poly(3,4-ethylenedioxythiophene)/ERGO/GCE as an efficient catalyst for methanol oxidation reaction**
Mert B. D., Karazehir T., Mert M. E., Kardaş G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.140, no.30, pp.54097, 2023 (SCI-Expanded)
- VII. **Surface modification of mild steel using 4-carboxyphenyl diazonium in sulfuric and hydrochloric acids. A corrosion study**
Seumo Tchekwagep P. M., Aksaray G., Farsak M., Kardaş G.
RSC ADVANCES, vol.13, no.13, pp.16789-16796, 2023 (SCI-Expanded)
- VIII. **Hydrogen production activity of nickel deposited graphite electrodes doped with CoW and CoIr nanoparticles**
Adam Y. S., Telli E., Farsak M., Kardaş G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.48, no.82, pp.31844-31854, 2023 (SCI-Expanded)
- IX. **Photocorrosion protection of BiVO₄ electrode by alpha-Cr₂O₃ core-shell for photoelectrochemical hydrogen production**
Tezcan F., DÜDÜKCÜ M., KARDAŞ G.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.920, 2022 (SCI-Expanded)
- X. **Criss-crossed a-Fe₂O₃ nanorods/Bi₂S₃ heterojunction for enhanced photoelectrochemical water splitting**
Tezcan F., Ahmad A., Yerlikaya G., Zia-Ur-Rehman G., Paksoy H. Ö., Kardaş G.
FUEL, vol.324, 2022 (SCI-Expanded)
- XI. **A new catalyst for HER: Tin-Cobalt Co-deposited nickel matrix**

- Agfindik O., Aydin O., FARSAK M., KARDAŞ G.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.10, pp.14005-14013, 2022 (SCI-Expanded)
- XII. **Solar light driven photoelectrochemical water splitting using Mn-doped CdS quantum dots sensitized hierarchical rosette-rod TiO₂ photoanodes**
Ahmad A., Tezcan F., Yerlikaya G., Zia-ur-Rehman Z., PAKSOY H. Ö., KARDAŞ G.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.916, 2022 (SCI-Expanded)
- XIII. **The investigation of CdS-quantum-dot-sensitized Ag-deposited TiO₂ NRAs in photoelectrochemical hydrogen production**
Tezcan F., Ahmad A., Yerlikaya G., Zia-ur-Rehman Z., PAKSOY H. Ö., KARDAŞ G.
NEW JOURNAL OF CHEMISTRY, vol.46, no.19, pp.9290-9297, 2022 (SCI-Expanded)
- XIV. **Cu(I) complexes sensitized ZnO nanorods for photocatalytic water splitting**
Tezcan F., KARDAŞ G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1236, 2021 (SCI-Expanded)
- XV. **Three dimensional rosette-rod TiO₂/Bi₂S₃ heterojunction for enhanced photoelectrochemical water splitting**
Ahmad A., Tezcan F., Yerlikaya G., Rehman Z., Paksoy H. Ö., Kardaş G.
Journal Of Alloys And Compounds, vol.868, pp.159133, 2021 (SCI-Expanded)
- XVI. **Illuminating of mild steel/HCl interface in the presence of 5-DAT inhibitor**
Yerlikaya G., Ahmad A., Farsak M., Kilig H. A., KARDAŞ G., KAYA S.
JOURNAL OF MOLECULAR LIQUIDS, vol.326, 2021 (SCI-Expanded)
- XVII. **Inhibitive effect of 4-amino-N-benzylidene-benzamide Schiff base on mild steel corrosion in HCl solution**
Sahin E. A., Tezcan F., SOLMAZ R., KARDAŞ G.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.34, no.2, pp.135-152, 2020 (SCI-Expanded)
- XVIII. **Enhanced photoelectrochemical water splitting using gadolinium doped titanium dioxide nanorod array photoanodes**
Ahmad A., Yerlikaya G., Zia-Ur-Rehman Z., Paksoy H. Ö., Kardas G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.4, pp.2709-2719, 2020 (SCI-Expanded)
- XIX. **Adsorption ability, stability and corrosion inhibition mechanism of phoenix dactylifera extract on mild steel**
Sahin E. A., Solmaz R., Geçibesler İ. H., Kardaş G.
MATERIALS RESEARCH EXPRESS, vol.7, 2020 (SCI-Expanded)
- XX. **Synthesis of phosphine-containing novel Pd(II) and Ni(II) complexes: Electrochemical, photophysical and quantum chemical studies**
Yerlikaya G., TAPANYIGIT E. B., GÜZEL B., Sahin O., KARDAŞ G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1198, 2019 (SCI-Expanded)
- XXI. **The investigation of Cu₂O electrochemical deposition time effect on ZnO for water splitting**
Tezcan F., Mahmood A., KARDAŞ G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1193, pp.342-347, 2019 (SCI-Expanded)
- XXII. **Comprehensive investigation of butyl stearate as a multifunctional smart concrete additive for energy-efficient buildings**
Cellat K., Tezcan F., KARDAŞ G., Paksoy H. Ö.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, no.13, pp.7146-7158, 2019 (SCI-Expanded)
- XXIII. **Optimizing copper oxide layer on zinc oxide via two-step electrodeposition for better photocatalytic performance in photoelectrochemical cells**
Tezcan F., Mahmood A., KARDAŞ G.
APPLIED SURFACE SCIENCE, vol.479, pp.1110-1117, 2019 (SCI-Expanded)
- XXIV. **Preface to special issue on "14th International Energy Storage Conference EnerSTOCK 2018, 25-28 April 2018, at cukurova University Adana, Turkey"**
KARDAŞ G., SOLMAZ R.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.27, pp.14107, 2019 (SCI-Expanded)

- XXV. **Effect of current change on iron-copper-nickel coating on nickel foam for hydrogen production**
Farsak M., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.27, pp.14151-14156, 2019 (SCI-Expanded)
- XXVI. **NiGa modified carbon-felt cathode for hydrogen production**
KOCA M. B., CELIK G. G., KARDAŞ G., Yazici B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.27, pp.14157-14163, 2019 (SCI-Expanded)
- XXVII. **A study on the inhibition effect of expired amoxicillin on mild steel corrosion in 1N HCl**
Fadila B., Sihem A., Sameh A., Gulfeza K.
MATERIALS RESEARCH EXPRESS, vol.6, no.4, 2019 (SCI-Expanded)
- XXVIII. **A study of the effect of Agave Americana extract inhibitor on the corrosion of mild steel in 0.5 M H-2 SO4**
SAMEH A., SIHEM A., FADILA B., Gulfeza K.
MATERIALS RESEARCH EXPRESS, vol.6, no.1, 2019 (SCI-Expanded)
- XXIX. **A novel thiophene Schiff base as an efficient corrosion inhibitor for mild steel in 1.0 M HCl: Electrochemical and quantum chemical studies**
Tezcan F., Yerlikaya G., Mahmood A., KARDAŞ G.
JOURNAL OF MOLECULAR LIQUIDS, vol.269, pp.398-406, 2018 (SCI-Expanded)
- XXX. **Enhanced photoelectrochemical activity of electrochemically deposited ZnO nanorods for water splitting reaction**
Tezcan F., Mahmood A., KARDAŞ G.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.11, pp.9547-9554, 2018 (SCI-Expanded)
- XXXI. **Thermal decomposition of sol-gel derived Zn_{0.8}Ga_{0.2}O precursor-gel: A kinetic, thermodynamic, and DFT studies**
Mahmood A., Tezcan F., KARDAŞ G.
ACTA MATERIALIA, vol.146, pp.152-159, 2018 (SCI-Expanded)
- XXXII. **The photoelectrocatalytic activity, long term stability and corrosion performance of NiMo deposited titanium oxide nano-tubes for hydrogen production in alkaline medium**
MERT M. E., Mert B., KARDAŞ G., Yazici B.
APPLIED SURFACE SCIENCE, vol.423, pp.704-715, 2017 (SCI-Expanded)
- XXXIII. **Effect of Sr doping on the electronic band structure and optical properties of ZnO: A first principle calculation**
MAHMOOD A., TEZCAN F., KARDAŞ G., KARADAĞ F.
JOURNAL OF APPLIED PHYSICS, vol.122, no.11, 2017 (SCI-Expanded)
- XXXIV. **Photoelectrochemical characteristics of CuO films with different electrodeposition time**
Mahmood A., Tezcan F., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.36, pp.23268-23275, 2017 (SCI-Expanded)
- XXXV. **Investigation of noble metal loading CoWZn electrode for HER**
Telli E., Farsak M., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.36, pp.23260-23267, 2017 (SCI-Expanded)
- XXXVI. **Molybdenum disulfide as the interfacial layer in the CuO-TiO₂ photocathode for photoelectrochemical cells**
Mahmood A., Tezcan F., KARDAŞ G.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.17, pp.12937-12943, 2017 (SCI-Expanded)
- XXXVII. **A comparative study on corrosion behavior of rebar in concrete with fatty acid additive as phase change material**
CELLAT K., TEZCAN F., Beyhan B., KARDAŞ G., Paksoy H.
CONSTRUCTION AND BUILDING MATERIALS, vol.143, pp.490-500, 2017 (SCI-Expanded)
- XXXVIII. **Anticorrosion Effect of 4-Amino-5-(4-pyridyl)-4H-1,2,4-triazole-3-thiol for Mild Steel in HCl Solution**
Farsak M., Yuce A. O., KARDAŞ G.

CHEMISTRYSELECT, vol.2, no.13, pp.3676-3682, 2017 (SCI-Expanded)

- XXXIX. **The noble metal loading binary iron-zinc electrode for hydrogen production**
Farsak M., Telli E., Yuce A. O., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.10, pp.6455-6461, 2017 (SCI-Expanded)
- XL. **Preparation and characterization of Pd-modified Raney-type NiZn coatings and their application for alkaline water electrolysis**
Solmaz R., Salci A., Yuksel H., DOGRUBAS M., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.4, pp.2464-2475, 2017 (SCI-Expanded)
- XLI. **Comparison of nonaqueous electrolytes on oxygen reduction in Li-air batteries**
AKGUL F. S., Farsak M., KARDAŞ G., DEHRİ İ.
JOURNAL OF MOLECULAR LIQUIDS, vol.223, pp.343-349, 2016 (SCI-Expanded)
- XLII. **Experimental and quantum chemical studies on corrosion inhibition effect of 5,5 diphenyl 2-thiohydantoin on mild steel in HCl solution**
Yuce A. O., Telli E., Mert B. D., KARDAŞ G., Yazici B.
JOURNAL OF MOLECULAR LIQUIDS, vol.218, pp.384-392, 2016 (SCI-Expanded)
- XLIII. **Enhancement of electrochemical activity of Raney-type NiZn coatings by modifying with PtRu binary deposits: Application for alkaline water electrolysis**
Solmaz R., Doner A., DOGRUBAS M., Erdogan I. Y., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.3, pp.1432-1440, 2016 (SCI-Expanded)
- XLIV. **The experimental and quantum chemical investigation for two isomeric compounds as aminopyrazine and 2-amino-pyrimidine against mild steel corrosion**
Mert B. D., Mert M. E., KARDAŞ G., Yazici B.
ANTI-CORROSION METHODS AND MATERIALS, vol.63, no.5, pp.369-376, 2016 (SCI-Expanded)
- XLV. **Evaluation of corrosion resistance and surface characteristics of orthodontic wires immersed in different mouthwashes**
Nalbantgil D., Ulkur F., KARDAŞ G., Culha M.
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.27, no.5, pp.539-549, 2016 (SCI-Expanded)
- XLVI. **Fabrication and characterization of alkaline leached CuZn/Cu electrode as anode material for direct methanol fuel cell**
Doner A., Solmaz R., KARDAŞ G.
ENERGY, vol.90, pp.1144-1151, 2015 (SCI-Expanded)
- XLVII. **Electrochemical performance of lithium molybdenum composite catalyst in oxygen reduction reaction**
Yuce A. O., Farsak M., Akgul F. S., Tezcan F., Telli E., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, no.29, pp.8889-8896, 2015 (SCI-Expanded)
- XLVIII. **A novel, effective and low cost electrocatalyst for direct methanol fuel cells applications**
Doner A., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, no.14, pp.4840-4849, 2015 (SCI-Expanded)
- XLIX. **Enhanced electrocatalytic efficiency of C/MWNTs for methanol oxidation using Ni deposited on MWNTs**
Farsak M., KARDAŞ G.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.4, pp.813-823, 2015 (SCI-Expanded)
- L. **The electrocatalytic properties of lithium copper composite in the oxygen reduction reaction**
Farsak M., Telli E., Tezcan F., Akgul F. S., Yuce A. O., KARDAŞ G.
ELECTROCHIMICA ACTA, vol.148, pp.276-282, 2014 (SCI-Expanded)
- LI. **Inhibition effect of 2-amino-4-methylpyridine on mild steel corrosion: Experimental and theoretical investigation**
Mert B. D., Yuce A. O., KARDAŞ G., Yazici B.
CORROSION SCIENCE, vol.85, pp.287-295, 2014 (SCI-Expanded)
- LII. **Hydrogen evolution stability of platinum modified graphite electrode**
Doner A., Taskesen E., KARDAŞ G.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.39, no.22, pp.11355-11359, 2014 (SCI-Expanded)
- LIII. **Investigating Rhodanine film formation on roughened Cu surfaces with electrochemical impedance spectroscopy and surface-enhanced Raman scattering spectroscopy**
Honesty N. R., KARDAŞ G., Gewirth A. A.
CORROSION SCIENCE, vol.83, pp.59-66, 2014 (SCI-Expanded)
- LIV. **Electrochemical and quantum chemical studies of 2-amino-4-methyl-thiazole as corrosion inhibitor for mild steel in HCl solution**
Yuce A. O., Mert B. D., KARDAŞ G., Yazici B.
CORROSION SCIENCE, vol.83, pp.310-316, 2014 (SCI-Expanded)
- LV. **Cobalt-modified nickel-zinc catalyst for electrooxidation of methanol in alkaline medium**
Sahin E. A., KARDAŞ G.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.17, no.11, pp.2871-2877, 2013 (SCI-Expanded)
- LVI. **Electrocatalytic oxidation of methanol on Ru deposited NiZn catalyst at graphite in alkaline medium**
Telli E., Doner A., KARDAŞ G.
ELECTROCHIMICA ACTA, vol.107, pp.216-224, 2013 (SCI-Expanded)
- LVII. **Inhibition Effect of Rhodanine-N-Acetic Acid on Copper Corrosion in Acidic Media**
Doner A., Yuce A. O., KARDAŞ G.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.52, no.29, pp.9709-9718, 2013 (SCI-Expanded)
- LVIII. **NiMn composite electrodes as cathode material for hydrogen evolution reaction in alkaline solution**
Yuce A. O., Doner A., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.38, no.11, pp.4466-4473, 2013 (SCI-Expanded)
- LIX. **Electrocatalytic behavior of the Pd-modified electrocatalyst for hydrogen evolution**
Doner A., Tezcan F., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.38, no.10, pp.3881-3888, 2013 (SCI-Expanded)
- LX. **Investigation of corrosion inhibition effect of 3-[(2-hydroxy-benzylidene)-amino]-2-thioxo-thiazolidin-4-one on corrosion of mild steel in the acidic medium**
Doner A., Sahin E. A., KARDAŞ G., Serindag O.
CORROSION SCIENCE, vol.66, pp.278-284, 2013 (SCI-Expanded)
- LXI. **Experimental and theoretical studies on electrochemical synthesis of poly(3-amino-1,2,4-triazole)**
Mert B. D., Mert M. E., KARDAŞ G., Yazici B.
APPLIED SURFACE SCIENCE, vol.258, no.24, pp.9668-9674, 2012 (SCI-Expanded)
- LXII. **Investigation of the hydrogen evolution on Ni deposited titanium oxide nano tubes**
Sahin E. A., Mert B. D., Doslu S. T., KARDAŞ G., Yazici B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.16, pp.11625-11631, 2012 (SCI-Expanded)
- LXIII. **Effect of C-felt supported Ni, Co and NiCo catalysts to produce hydrogen**
Doner A., Karci I., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.12, pp.9470-9476, 2012 (SCI-Expanded)
- LXIV. **The Ni-deposited carbon felt as substrate for preparation of Pt-modified electrocatalysts: Application for alkaline water electrolysis**
Solmaz R., Gundogdu A., Doner A., KARDAŞ G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.11, pp.8917-8922, 2012 (SCI-Expanded)
- LXV. **Electrocatalysis of Ni-promoted Cd coated graphite toward methanol oxidation in alkaline medium**
Doner A., Telli E., KARDAŞ G.
JOURNAL OF POWER SOURCES, vol.205, pp.71-79, 2012 (SCI-Expanded)
- LXVI. **Adsorption and inhibition effect of 2-thiohydantoin on mild steel corrosion in 0.1 M HCl**
Yuce A. O., KARDAŞ G.
CORROSION SCIENCE, vol.58, pp.86-94, 2012 (SCI-Expanded)
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Memberships / Tasks in Scientific Organizations

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Turkish Chemical Society, Member, 2019 - Continues, Turkey

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Non Academic Experience

Milli Eğitim Bakanlığı, Adana Gökçeler Orta Okulu