Prof. MUZAFFER ÖZCAN

Personal Information

Email: ozcanm@cu.edu.tr Web: https://avesis.cu.edu.tr//ozcanm

International Researcher IDs ORCID: 0000-0002-0959-0903 Publons / Web Of Science ResearcherID: C-7068-2017 ScopusID: 23480492600 Yoksis Researcher ID: 101995

Education

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2000 - 2005 Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1997 - 2000 Undergraduate, Middle East Technical University, Faculty Of Education, Kimya Öğretmenliği, Turkey 1992 - 1997

Foreign Languages

English, C1 Advanced

Research Areas

Chemistry, Physical Chemistry, Electrochemistry, Natural Sciences

Academic Positions

Professor, Cukurova University, Eğitim Fakültesi, İlköğretim, 2015 - Continues Associate Professor, Cukurova University, Eğitim Fakültesi, İlköğretim, 2010 - 2015 Assistant Professor, Cukurova University, Eğitim Fakültesi, İlköğretim, 2007 - 2010 Lecturer PhD, Cukurova University, Eğitim Fakültesi, İlköğretim, 2005 - 2007

Journal articles indexed in SCI, SSCI, and AHCI

- I. Why Equilibrium Constants Are Unitless
 ÖZCAN M.
 JOURNAL OF PHYSICAL CHEMISTRY LETTERS, vol.13, no.15, pp.3507-3509, 2022 (SCI-Expanded)
- II. Revisiting the analysis of impedance data for double layer capacitance Ozcan M.
 ANALYST, vol.140, no.15, pp.5216-5219, 2015 (SCI-Expanded)
- III. Insights into surface-adsorbate interactions in corrosion inhibition processes at the molecular level
 ÖZCAN M., Toffoli D., Ustunel H., DEHRİ İ.
 CORROSION SCIENCE, vol.80, pp.482-486, 2014 (SCI-Expanded)

IV. On the Extraction of Double-Layer Capacitances for Nonideal Capacitive Behaviors ÖZCAN M., DEHRİ İ., ERBİL M. INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.51, no.43, pp.14061-14064, 2012 (SCI-Expanded) V. Quantum Chemical Studies on the Corrosion Inhibition of Mild Steel by Some Triazoles and Benzimidazole Derivatives in Acidic Medium Kabanda M. M., Murulana L. C., Özcan M., Karadağ F., Dehri I., Obot I. B., Ebenso E. E. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.7, pp.5035-5056, 2012 (SCI-Expanded) VI. Determination of impedance parameters for mild steel/HCl interface using integration method ÖZCAN M., DEHRİ İ. CORROSION SCIENCE, vol.54, pp.201-204, 2012 (SCI-Expanded) VII. Experimental and theoretical studies of thiazoles as corrosion inhibitors for mild steel in sulphuric acid solution Doner A., Solmaz R., ÖZCAN M., KARDAŞ G. CORROSION SCIENCE, vol.53, no.9, pp.2902-2913, 2011 (SCI-Expanded) VIII. Copper modified poly-6-amino-m-cresol (poly-AmC/Cu) coating for mild steel protection Keles H., Solmaz R., Oezcan M., Kardas G., DEHRİ İ. SURFACE & COATINGS TECHNOLOGY, vol.203, no.10-11, pp.1469-1473, 2009 (SCI-Expanded) IX. AC impedance measurement of cystine adsorption at mild steel/sulfuric acid interface as corrosion inhibitor Oezcan M. JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.12, no.12, pp.1653-1661, 2008 (SCI-Expanded) X. Interfacial behavior of cysteine between mild steel and sulfuric acid as corrosion inhibitor ÖZCAN M., KARADAĞ F., DEHRİ İ. ACTA PHYSICO-CHIMICA SINICA, vol.24, no.8, pp.1387-1392, 2008 (SCI-Expanded) XI. Adsorption properties of barbiturates as green corrosion inhibitors on mild steel in phosphoric acid Oezcan M., Solmaz R., Kardas G., DEHRİ İ. COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.325, no.1-2, pp.57-63, 2008 (SCI-Expanded) XII. Investigation of adsorption characteristics of methionine at mild steel/sulfuric acid interface: An experimental and theoretical study Ozecan M., KARADAĞ F., DEHRİ İ. COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.316, no.1-3, pp.55-61, 2008 (SCI-Expanded) XIII. The effect of temperature on the corrosion of mild steel in acidic media in the presence of some sulphur-containing organic compounds Dehri I., Ozcan M. MATERIALS CHEMISTRY AND PHYSICS, vol.98, pp.316-323, 2006 (SCI-Expanded) XIV. Electrochemical and quantum chemical studies of some sulphur-containing organic compounds as inhibitors for the acid corrosion of mild steel Ozcan M., Dehri I. PROGRESS IN ORGANIC COATINGS, vol.51, no.3, pp.181-187, 2004 (SCI-Expanded) XV. Organic sulphur-containing compounds as corrosion inhibitors for mild steel in acidic media: correlation between inhibition efficiency and chemical structure Ozcan M., Dehri I., Erbil M. APPLIED SURFACE SCIENCE, vol.236, pp.155-164, 2004 (SCI-Expanded) XVI. EIS study of the effect of high levels of SO2 on the corrosion of polyester-coated galvanised steel at different relative humidities Ozcan M., Dehri I., Erbil M. PROGRESS IN ORGANIC COATINGS, vol.44, no.4, pp.279-285, 2002 (SCI-Expanded)

Peer Reviews in Scientific Publications

Corrosion Science, SCI Journal, January 2014

Metrics

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