

Lect. Müge Yayla

Personal Information

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Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimler Enstitüsü, Kimya Mühendisliği, Turkey 2019 - Continues

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2017 - 2019

Undergraduate, Van Yüzüncü Yil University, Mühendislik Mimarlık Fakültesi, Kimya Mühendisliği, Turkey 2013 - 2017

Dissertations

Postgraduate, Modifiye Edilmiş Yüzey Baskılı Elektrotlar İle Gıda Katkı Maddelerinin Elektrokimyasal Davranışlarının İncelenmesi, Van Yüzüncü Yil University, Fen Bilimler Enstitüsü, Kimya Mühendisliği, 2019

Research Areas

Chemical Engineering and Technology, Biotechnology, Chemical Technologies, Electrochemical Processes, Chemical Reaction Engineering, Catalysis and Catalytic Processes, Nanomaterials, Chemistry, Engineering and Technology

Academic Titles / Tasks

Lecturer, Van Yüzüncü Yil University, Muradiye Meslek Yüksekokulu, Kimya Ve Kimyasal İşletme Teknolojileri Bölümü, 2020 - Continues

Courses

Associate Degree, 2021 - 2022

Instrumental Analysis, Associate Degree, 2020 - 2021

Instrumental Analysis I, Associate Degree, 2020 - 2021

Biochemistry II, Associate Degree, 2019 - 2020

Effective speech and diction, Associate Degree, 2020 - 2021

Industrial Basic Operations, Associate Degree, 2019 - 2020

Stress and management in working life, Associate Degree, 2020 - 2021

Leadership and motivation, Associate Degree, 2020 - 2021

Introduction To Industrial Processes, Associate Degree, 2020 - 2021

Water and Life, Associate Degree, 2019 - 2020

History Of Science, Associate Degree, 2020 - 2021

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **An electrocatalyst for detection of glucose in human blood: synergy in Pd-AuNPs/GOx/C surfaces**
Çelik Kazıcı H., Yayla M.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.206, no.12, pp.1731-1742, 2019 (Journal Indexed in SCI)
- II. **Development of Nonenzymatic Benzoic Acid Detection on PdSn/GCE/Vulcan XC-72R Prepared via Polyol Method**
Çelik Kazıcı H., Yayla M., Ulaş B., Aktaş N., Demir Kıvrak H.
Electroanalysis, vol.31, pp.1118-1124, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **As a highly efficient reduced graphene oxide-supported ternary catalysts for the fast hydrogen release from NaBH₄**
Şahin Ö., Bozkurt A., Yayla M., Çelik Kazıcı H., İzgi M. S.
Graphene Technology, pp.1-9, 2020 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **γ-Al₂O₃-SUPPORTED MATERIALS FOR CATALYZING THE HYDROLYTIC DEHYDROGENATION OF AMMONIA BORANE**
İzgi M. S. , Baytar O., Yayla M., Çelik Kazıcı H., Şahin Ö.
in: CURRENT STUDIES AT POSITIVE SCIENCES, Dr. Mehriban EMEK, Dr. E. İlhan ŞAHİN, Editor, İksad Publishing House, Ankara, pp.87-112, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECTS OF ACTIVATED CARBON SUPPORTED Pd Ru CATALYSTS ON HYDROGEN PRODUCTION**
Muhtasım R., Salman F., Yayla M., Çelik Kazıcı H.
ICENTE'20, Konya, Turkey, 19 - 21 November 2020, pp.91
- II. **Carbon Derivative Supported Triple Metal Electro Sensor for Citric Acid Detection in Food Samples**
Yayla M., Çelik Kazıcı H., Demir Kıvrak H.
ICENTE'20, Konya, Turkey, 19 - 21 November 2020, pp.237-239
- III. **Al₂O₃-supported nanoparticles for catalyzing the hydrolysis of ammonia borane**
İZGİ M. S. , BAYTAR O., Yayla M., Çelik Kazıcı H., ŞAHİN Ö.
IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.7
- IV. **Preparation of GO based Co-Cu-B and investigation of hydrogen production performance**
ŞAHİN Ö., Yayla M., Çelik Kazıcı H., İZGİ M. S.
IHTEC 2019, Antalya, Turkey, 20 - 22 June 2019, pp.6
- V. **Pd@Sn Vulcan nanomaterialinin gıdalarda koruyucu madde tayininde kullanılması**
Yayla M., Çelik Kazıcı H., Ulaş B., Demir Kıvrak H., Aktaş N.
13 Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018, pp.7547
- VI. **NANOENGINEERED SURFACES FOR POTENTIAL GLUCOSE SENSOR APPLICATIONS**
Çelik Kazıcı H., Yayla M.
7th International Conference 3 on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018, pp.122
- VII. **Determination of Kinetic Parameters of Enzymatic Biosensors, Prepared for Glucose Determination**
Çelik Kazıcı H., Yayla M.
International Advanced Researches & Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.1
- VIII. **Sensitive non-enzymatic glucose sensor based on bimetallic metals**

Çelik Kazıcı H., Yayla M., Demir Kıvrak H.

International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.1

IX. Method Validation of Bimetallic Nanomaterials Sensor Activities

Çelik Kazıcı H., Yayla M., Demir Kıvrak H.

International Conference on Advances in Natural and Applied Sciences (ICANAS 2017), Antalya, Turkey, 18 - 21 April 2017, pp.1

X. M-Pd@C core/shell nanomaterialyallerin hidrojen peroksit sensör geliştirilmesinde kullanımı

Yayla M., Çelik Kazıcı H., Demir Kıvrak H.

12. Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 23 - 26 August 2016, pp.21

Supported Projects

Yayla M., TUBITAK Project, Synthesis, characterization and electrochemical glucose biosensor applications of Pd@Au/C nano catalysts by polyol method, 2016 - 2017

Citations

Total Citations (WOS):8

h-index (WOS):2