

Lect. PhD SİLVER GÜNEŞ

Personal Information

Email: silver@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/silver>

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2008 - 2016

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 2005 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, PEM yakıt hücresi katotunda oksijen indirgenme reaksiyonu hızının geliştirilmesi ve mekanizmasının incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2015

Postgraduate, PEM yakıt hücresi katodunda kullanılmak üzere platin bazlı üçlü katalizörlerin sentezi, karakterizasyonu ve elektrokatalitik özelliklerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, 2008

Research Areas

Chemical Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2017 - Continues

Research Assistant, Gazi University, Fen Bilimleri Enstitüsü, -, 2005 - 2015

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

- I. **Performance and Emission Characteristics of Pyridine and Isobutanol Added Gasoline-Ethanol-Water Blends in a Single Cylinder SI Gasoline Engine**
Garayev A., Güneş S., Güldür F. Ç.
Isi Bilimi Ve Teknigi Dergisi-Journal Of Thermal Science And Technology, vol.41, no.1, pp.11-21, 2021 (Journal Indexed in SCI Expanded)
- II. **Synthesis of OMC supported Pt catalysts and the effect of the metal loading technique on their PEM fuel cell performances**
GÜNEŞ S., GÜLDÜR F. Ç.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.207, no.7, pp.961-971, 2020 (Journal Indexed in SCI)
- III. **Synthesis of large pore sized ordered mesoporous carbons using triconstituent self-assembly**

strategy under different acidic conditions and ratios of carbon precursor to structure directing agent

GÜNEŞ S., Guldur C.

COLLOID AND POLYMER SCIENCE, vol.296, no.4, pp.799-807, 2018 (Journal Indexed in SCI)

IV. Carbon supported Pt-based ternary catalysts for oxygen reduction in PEM fuel cells

Guldur C., GÜNEŞ S.

CATALYSIS COMMUNICATIONS, vol.12, no.8, pp.707-711, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

I. Performance Evaluation of PtAgFe/C as a Cathode Catalyst in PEM Fuel Cell

Guldur C., GÜNEŞ S.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.1, pp.42-51, 2018 (Journal Indexed in ESCI)

II. Ulusal Veritabanı ve Atıf İndeksi Kurulumu için Stratejiler, Problemler ve Çözüm Önerileri

SAĞIROĞLU Ş., DENER M., GÜNEŞ S., GÜLLÜ A., TATAROĞLU A., ORMAN A., SİNANÇ D., TERZİ R., ŞAHİN H., ÇETİNYOKUŞ S., et al.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.3, no.2, pp.501-512, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. Oxygen Reduction Kinetics in the Ordered Mesoporous Carbon Supported Pt Catalysts

GÜNEŞ S., GÜLDÜR F. Ç.

4th International Hydrogen Technologies Congress (IHTEC-2019), 20 - 23 June 2019

II. Effect of Pyridine and Isobuthanol as Additives on the Performance of Gasoline-Ethanol-Water Blends in the Internal Combustion Engines

GÜLDÜR F. Ç. , Garayev A., GÜNEŞ S.

ITWCCST 2018 4TH INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, 7 - 10 September 2018

III. Investigation of the Emission Levels of Gasoline-Ethanol Blends with Additives in the Internal Combustion Engines

GÜLDÜR F. Ç. , GARAYEV A., GÜNEŞ S.

ICINSE-ITWCCST 2018, 7 - 10 September 2018

IV. Ordered Mesoporous Carbons (OMC) Synthesized by Self-assembly Method and the Effects of Acidity and Carbon Source to Surfactant Ratio

GÜNEŞ S., GÜLDÜR F. Ç.

IHTEC-2018, 15 March - 18 August 2018

V. Preparation of Pt/OMC Catalysts by Different Loading Strategies

GÜNEŞ S., GÜLDÜR F. Ç.

1st International Conference on Advanced Materials and Manufacturing Technologies, 25 - 27 October 2017

VI. Development of Ordered Mesoporous Carbon (OMC) supported catalysts in order to be used in PEM fuel cell

GÜLDÜR F. Ç. , GÜNEŞ S.

NCC-5, Turkey, 23 - 26 April 2014

VII. Synthesis of Ordered Mesoporous Carbons in Order to Be Used at the Cathode of the PEM Fuel Cell

GÜLDÜR F. Ç. , GÜNEŞ S.

PPM-213, 3 - 06 September 2013

VIII. PEM Yakıt Hücresinde Katalizör Destek Malzemesi Olarak Kullanılmak üzere Düzenli Mezogözenekli Karbon Destek Sentezi

GÜLDÜR F. Ç. , GÜNEŞ S., GÖKTAŞ Y.

UKMK-10, Turkey, 3 - 06 September 2012

- IX. **Synthesis of Ordered Mesoporous Carbon Supports as Electrode Materials in PEM Fuel Cells**
GÜLDÜR F. Ç. , GÜNEŞ S., GÖKTAŞ Y.
ANQUE-ICCE, 24 - 27 June 2012
- X. **PEM Fuel Cell as a Clean Energy Supply Carbon Supported Platinum Multimetallic Catalysts Used at the Cathode of the PEM Fuel Cell**
GÜLDÜR F. Ç. , GÜNEŞ S., ARAS N.
IWA-World Congress on Water, Climate and Energy, 13 - 18 May 2012
- XI. **Performance Analysis of Pt Ternary Catalysts in a PEM Single Cell**
GÜLDÜR F. Ç. , GÜNEŞ S.
EMCC-7, 27 April - 01 May 2012
- XII. **PEM yakıt hücresi katotunda kullanılmak üzere platin çok-metalli katalizörlerin sentezi**
GÜNEŞ S., GÜLDÜR F. Ç. , ARAS N.
NCC-4, Turkey, 21 - 24 March 2012
- XIII. **PEM yakıt hücresi anotunda kullanılmak üzere platinin ikili katalizörlerinin karakterizasyonu ve CO toleransının incelenmesi**
GÜLDÜR F. Ç. , KARÇIÇEĞİ D., GÜNEŞ S.
NCC-3, Turkey, 28 April - 01 May 2010
- XIV. **Carbon supported Pt-based ternary catalysts for oxygen reduction in PEM fuel cells**
GÜNEŞ S., GÜLDÜR F. Ç.
HYPOTHESIS VIII Conference, 24 April 2009 - 27 March 2010
- XV. **Carbon supported PtAgFe/C catalysts prepared by low temperature borohydride reduction to be used at the cathode of PEM fuel cells**
GÜLDÜR F. Ç. , GÜNEŞ S.
EMCC-6, 7 - 12 March 2010
- XVI. **Synthesis, characterization and investigation of electrocatalytical properties of platinum ternary alloys in order to be used at the cathode of the PEM fuel cell**
GÜNEŞ S., GÜLDÜR F. Ç.
EMCC-5, 24 - 29 May 2008

Citations

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