

## Assoc. Prof. Halit Eren FİGEN

### Personal Information

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemical Engineering, Turkey  
2005 - 2012

Post Graduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemical Engineering,  
Turkey 2002 - 2005

Under Graduate, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, Turkey 1995 - 1999

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, 6th EFCATS Summer School :Catalysis and Surface Science for Renewable Energy, EFCATS:  
European Federation of Catalysis Societies, 2010

Vocational Course, Calorimetry Summer School, IRCELYON: Institute of Researches on Catalysis and Environment in  
Lyon, Université de Lyon, 2010

Vocational Training, SEM ve TEM Teorik ve Pratik Kursu, TUBITAK-MRC, Marmara Research Center, Materials Institute,  
2008

### Research Areas

Chemical Engineering and Technology, Fuels and Combustion Technology, Process and Reactor Design, Chemical  
Reaction Engineering, Catalysis and Catalytic Processes, Energy, Hydrogen Technologies and Fuel Cells , Fuel Cells

### Academic Titles / Tasks

Associate Professor, Inter-University Council of Turkey, 2020 - Continues

Assistant Professor, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING,  
Department of Chemical Engineering, 2018 - Continues

Assistant Professor, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING,  
Department of Chemical Engineering, 2017 - 2018

Research Assistant PhD, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING,  
Department of Chemical Engineering, 2012 - 2017

Research Assistant, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING,  
Department of Chemical Engineering, 2002 - 2012

## Professional Experience

Fakülte Akademik Kurul Üyesi, Yildiz Technical University, Faculty Of Applied Sciences, 2018 - Continues  
Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, Faculty Of Applied Sciences, 2018 - Continues  
Assistant Manager of Research and Application Center, Yildiz Technical University, Rectorate, Rectorate, 2016 - 2020

## Courses

Transport Phenomena 2, Doctorate, 2018 - 2019, 2019 - 2020, 2020 - 2021  
Final Year Project, Under Graduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021  
New and Renewable Energy Systems Design, Under Graduate, 2019 - 2020, 2020 - 2021  
Research Methods and Scientific Ethics, Post Graduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021  
Chem. Eng. Lab. 1, Under Graduate, 2018 - 2019, 2019 - 2020  
Chemical Engineering Laboratory 2, Under Graduate, 2018 - 2019, 2019 - 2020, 2020 - 2021  
Kimya Mühendisliğinde Akışkanlar Mekaniği, Under Graduate, 2018 - 2019, 2019 - 2020  
Seminar (PhD), Doctorate, 2017 - 2018, 2018 - 2019  
Fluid Mechanics in Chemical Engineering, Under Graduate, 2017 - 2018  
Chemical Engineering Laboratory 1, Under Graduate, 2017 - 2018  
Chemical Engineering Laboratory 2, Under Graduate, 2017 - 2018

## Advising Theses

Figen H. E. , Investigation of sodium borohydride hydrolysis in continuous reaction system, Post Graduate,  
E.Balkanlı(Student), 2018

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

- I. **A mixed algorithm for investigation the effects of the preparation processes during the catalyst synthesis with sol-gel method and coating**  
BAŞHAN V., ÜST Y., Balkanlı E., FİGEN H. E.  
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.96, no.1, pp.131-142, 2020 (Journal Indexed in SCI)
- II. **Methane decomposition over Fe-based catalysts**  
Karaismailoğlu M., Figen H. E. , Baykara Z. S.  
International Journal of Hydrogen Energy, vol.45, no.21, pp.12026-12036, 2020 (Journal Indexed in SCI Expanded)
- III. **Molybdenum- and vanadium-containing perovskite electrocatalysts for dissociation of H<sub>2</sub>S**  
Karaismailoğlu M., Guldal N. O. , Figen H. E. , Baykara Z. S.  
International Journal of Energy Research, vol.44, pp.2368-2374, 2020 (Journal Indexed in SCI Expanded)
- IV. **Calcium silicate-based catalytic filters for partial oxidation of methane and biogas mixtures: Preliminary results**  
Tezel E., Balkanlı Unlu E., FİGEN H. E. , BAYKARA Z. S.  
International Journal of Hydrogen Energy, 2020 (Journal Indexed in SCI Expanded)
- V. **Sodium borohydride hydrolysis by using ceramic foam supported bimetallic and trimetallic catalysts**  
Balkanlı E., Figen H. E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, pp.9959-9969, 2019 (Journal Indexed in SCI)

- VI. **Hydrogen production by catalytic methane decomposition over yttria doped nickel based catalysts**  
Karaismailoğlu M., Figen H. E. , Baykara S. Z.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, pp.9922-9929, 2019 (Journal Indexed in SCI)
- VII. **Hydrogen production by methane decomposition using bimetallic Ni-Fe catalysts**  
Tezel E., Figen H. E. , Baykara S. Z.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, pp.9930-9940, 2019 (Journal Indexed in SCI)
- VIII. **Fe<sub>2</sub>O<sub>3</sub>/Y<sub>2</sub>O<sub>3</sub> Catalyst Supported on Alumina and Halloysite**  
Karaismailoğlu M., Figen H. E. , Baykara S. Z.  
ACTA PHYSICA POLONICA A, vol.134, pp.57-60, 2018 (Journal Indexed in SCI)
- IX. **Investigation of a novel & integrated simulation model for hydrogen production from lignocellulosic biomass**  
Ersöz A., Durak Çetin Y., Sarioğlan A., Turan A. Z. , Mert M. S. , Yuksel F., Figen H. E. , Guldal N. O. , Karaismailoğlu M., Baykara S. Z.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, pp.1081-1093, 2018 (Journal Indexed in SCI)
- X. **Effect of ruthenium addition on molybdenum catalysts for syngas production via catalytic partial oxidation of methane in a monolithic reactor**  
Figen H. E. , Baykara S. Z.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, pp.1129-1138, 2018 (Journal Indexed in SCI)
- XI. **Perovskite catalysts for hydrogen production from hydrogen sulfide**  
Guldal N. O. , Figen H. E. , Baykara S. Z.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, pp.1038-1046, 2018 (Journal Indexed in SCI)
- XII. **Production of hydrogen from hydrogen sulfide with perovskite type catalysts: LaM<sub>0.3</sub>**  
Guldal N. O. , Figen H. E. , Baykara S. Z.  
CHEMICAL ENGINEERING JOURNAL, vol.313, pp.1354-1363, 2017 (Journal Indexed in SCI)
- XIII. **New catalysts for hydrogen production from H<sub>2</sub>S: Preliminary results**  
Guldal N. O. , Figen H. E. , Baykara S. Z.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, pp.7452-7458, 2015 (Journal Indexed in SCI)
- XIV. **Hydrogen production by partial oxidation of methane over Co based, Ni and Ru monolithic catalysts**  
Figen H. E. , Baykara S. Z.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, pp.7439-7451, 2015 (Journal Indexed in SCI)
- XV. **An electrocatalytic membrane-assisted process for hydrogen production from H<sub>2</sub>S in Black Sea: Preliminary results**  
Ipsakis D., Kraia T., Marnellos G. E. , Ouzounidou M., Voutetakis S., Dittmeyer R., Dubbe A., Haas-Santo K., Konsolakis M., Figen H. E. , et al.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, pp.7530-7538, 2015 (Journal Indexed in SCI)
- XVI. **Preparation and Characterization of La MoO<sub>3</sub>, La<sub>0.9</sub>Sr<sub>0.1</sub>V<sub>2</sub>O<sub>7</sub> and La<sub>0.9</sub>Sr<sub>0.1</sub>Mo<sub>2</sub>O<sub>7</sub> Perovskite Type Oxides by the Sol-Gel Citrate Method**  
Figen H. E. , Guldal N. Ö. , Baykara S. Z.  
ACTA PHYSICA POLONICA A, vol.125, pp.278-280, 2014 (Journal Indexed in SCI)
- XVII. **Preparation and Characterization of Co-Mo/gamma-Al<sub>2</sub>O<sub>3</sub>, Ni-Mo/gamma-Al<sub>2</sub>O<sub>3</sub> and (Co/Ni)-Mo/gamma-Al<sub>2</sub>O<sub>3</sub> Metal Oxides by Sol-Gel Process**  
Figen H. E. , Baykara S. Z.  
ACTA PHYSICA POLONICA A, vol.121, pp.224-226, 2012 (Journal Indexed in SCI)
- XVIII. **Effects of Cobalt and Nickel Substitution on Physical Properties of Perovskite Type Oxides Prepared by the Sol-Gel Citrate Method**  
Yarbay R. Z. , Figen H. E. , Baykara S. Z.  
ACTA PHYSICA POLONICA A, vol.121, pp.44-46, 2012 (Journal Indexed in SCI)
- XIX. **Hydrogen from hydrogen sulphide in Black Sea**  
Baykara S. Z. , Figen H. E. , Kale A., Veziroglu T. N.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.32, pp.1246-1250, 2007 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **PEG Assisted Hydrothermal Synthesis of Hexagonal WO<sub>3</sub> Nanoparticles**  
FİGEN H. E.  
European Journal of Science and Technology, no.16, pp.969-976, 2019 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Hidrotermal yöntem ile farklı metal katkılı MoS<sub>2</sub> elektro katalizörlerin üretiminin gerçekleştirilmesi ve hidrojen evrim reaksiyonu (HER) performanslarının incelenmesi**  
Figen H. E. , Uludağ A. Y.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Turkey, 19 - 20 March 2020, pp.771
- II. **Halloysite and Ytria Supported Ni-based Catalysts in Partial Oxidation of Biomass Model Gas**  
Karaismailoğlu M., Figen H. E. , Baykara Z. S.  
World Energy Strategies Congress and Exhibition (WESCE 19), İstanbul, Turkey, 26 - 28 August 2019, pp.45-48
- III. **Effect of Promoters on CuCo Catalyst for Hydrogen Production from Sodium Borohydride**  
Balkanlı E., Figen H. E.  
World Energy Strategies Congress and Exhibition (WESCE 19), İstanbul, Turkey, 26 - 28 August 2019, pp.41-44
- IV. **Calcium Silicate-based Catalytic Filters for Partial Oxidation of Methane**  
Tezel E., Figen H. E. , Baykara Z. S.  
4th International Hydrogen Technologies Congress (IHTEC-2019), Edirne, Turkey, 20 - 23 June 2019, pp.215-218
- V. **Methane decomposition over Fe-based catalysts**  
Karaismailoğlu M., Figen H. E. , Baykara Z. S.  
4th International Hydrogen Technologies Congress (IHTEC-2019), Edirne, Turkey, 20 - 23 June 2019, pp.449-452
- VI. **Catalytic Hydrolysis of Sodium Borohydride By Using Bimetallic And Trimetallic Foam Catalysts**  
BALKANLI E., FİGEN H. E.  
9th International Conference on Hydrogen Production (ICH2P-2018), Zagreb, Croatia, 16 - 19 July 2018, pp.41
- VII. **Hydrogen Production from Methane Decomposition Using Bimetallic Ni-Fe Catalysts**  
Tezel E., Figen H. E. , Baykara Z. S.  
9th International Conference on Hydrogen Production (ICH2P-18, Zagreb, Croatia, 16 - 19 July 2018, pp.46
- VIII. **HYDROGEN PRODUCTION BY CATALYTIC METHANE DECOMPOSITION OVER Y DOPED NI BASED CATALYSTS**  
Karaismailoğlu M., Figen H. E. , Baykara Z. S.  
9th International Conference on Hydrogen Production (ICH2P-2018), Zagreb, Croatia, 16 - 19 July 2018, pp.46
- IX. **Fe<sub>2</sub>O<sub>3</sub>/Y<sub>2</sub>O<sub>3</sub> Catalyst Supported on Alumina and Halloysite**  
Karaismailoğlu M., Figen H. E. , Baykara Z. S.  
7th International Advances in Applied Physics and Materials Science Congress Exhibition, Muğla, Turkey, 22 - 26 April 2017, pp.1-5
- X. **Perovskite catalysts for hydrogen production from hydrogen sulfide**  
Güldal N. Ö. , Figen H. E. , Baykara Z. S.  
2nd INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS - ICES2016, İstanbul, Turkey, 21 - 23 December 2016, pp.1-5
- XI. **Effect of Ruthenium Addition on Molybdenum Catalysts for Syngas Production via Catalytic Partial Oxidation of Methane in a Monolithic Reactor**  
Figen H. E. , Baykara Z. S.  
2nd INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS - ICES2016, İstanbul, Turkey, 21 - 23 December 2016
- XII. **Hydrogen Production from Biomass Gasification**  
DURAK ÇETİN Y., ERSÖZ A., SARIOĞLAN A., TURAN A. Z. , MERT M. S. , YÜKSEL F., FİGEN H. E. , GÜLDAL N. Ö. , KARAİSMAİLOĞLU M., BAYKARA Z. S.

2nd INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS - ICES2016, İstanbul, Turkey, 21 - 23 December 2016, pp.356-367

- XIII. **New Catalysts for Hydrogen Production from H<sub>2</sub>S : Preliminary Results**  
GÜLDAL N. Ö. , FİGEN H. E. , BAYKARA Z. S.  
13th International Conference on Clean Energy 2014 (ICCE-2014), İstanbul, Turkey, 8 - 12 June 2014, pp.1110-1115
- XIV. **An electrocatalytic membrane-assisted process for hydrogen production from H<sub>2</sub>S in Black Sea: Preliminary results**  
IPSAKIS D., KRAIA T., MARNELLOS G., OUZOUNIDOU M., Voutetakis S., DITTMAYER R., DUBBE A., HAAS SANTO K., KONSOLAKIS M., FİGEN H. E. , et al.  
13th International Conference on Clean Energy 2014 (ICCE-2014), İstanbul, Turkey, 8 - 12 June 2014, pp.1028-1035
- XV. **Hydrogen Production by Partial Oxidation of Methane over Co Based, Ni and Ru Monolithic Catalysts**  
FİGEN H. E. , BAYKARA Z. S.  
13th International Conference on Clean Energy 2014 (ICCE-2014), İstanbul, Turkey, 8 - 12 June 2014, pp.1016-1027
- XVI. **Partial Oxidation of Methane Over Ni-Mo, Co-Mo and Ni-Co-Mo Monolithic Catalyst for Hydrogen Production**  
FİGEN H. E. , BAYKARA Z. S.  
5th World Hydrogen Technologies Convention (WHTC 2013), ŞANGAY, China, 25 - 28 September 2013, pp.190
- XVII. **Preparation and Characterization of LaMoO<sub>3</sub>, La<sub>x</sub>Sr<sub>y</sub>VzO<sub>3</sub> and La<sub>x</sub>Sr<sub>y</sub>MozO<sub>3</sub> Perovskite Type Oxides by the Sol-Gel Citrate Method**  
Figen H. E. , Güldal N. Ö. , Baykara Z. S.  
3rd Advances in Applied Physics and Materials Science Congress (APMAS 2013), Antalya, Turkey, 24 - 28 April 2013, pp.55
- XVIII. **Synthesis and Characterization of La<sub>x</sub>Me<sub>1-x</sub>CoO<sub>3</sub> Catalyst Prepared by Sol-Gel Method**  
Yarbay Şahin R. Z. , Figen H. E. , Baykara Z. S.  
4th National Catalyst Conference (NCC-4), Kocaeli, Turkey, 21 March 2012, pp.1
- XIX. **Investigation of Structural Properties of Ammonia Borane And Its Waste Product**  
Atanur O., Özalp G., PİŞKİN M. B. , FİGEN H. E. , Yazıcı M. S.  
International Conference on Hydrogen Production (ICH2P-11), Selanik, Greece, 19 June 2011, pp.1-10
- XX. **Dehydroxylation Reaction Kinetic Mechanism of Inderite Mineral**  
PİŞKİN M. B. , FİGEN H. E.  
International Conference on Chemistry and Chemical Process (ICCCP 2011), BANGKOK, Thailand, 28 - 29 May 2011, vol.10, pp.50-54
- XXI. **Preparation and Characterization of Co-Mo/g-Al<sub>2</sub>O<sub>3</sub>, Ni-Mo/g-Al<sub>2</sub>O<sub>3</sub> and (Co/Ni)-Mo/g-Al<sub>2</sub>O<sub>3</sub> Metal Oxides by Sol-Gel Process**  
FİGEN H. E. , BAYKARA Z. S.  
Advances in Applied Physics and Materials Science Congress (APMAS 2011), Antalya, Turkey, 12 - 15 May 2011, pp.164
- XXII. **Effects Of Cobalt And Nickel Substitution On Physical Properties of Perovskite Type Oxides Prepared By The Sol-Gel Citrate Method**  
YARBAY R. Z. , FİGEN H. E. , BAYKARA Z. S.  
Advances in Applied Physics and Materials Science Congress (APMAS 2011), Antalya, Turkey, 12 - 15 May 2011, pp.364
- XXIII. **Kissinger model application of dehydration reaction of kurnokovite mineral: Non-isothermal differential thermal analysis**  
FİGEN H. E. , PİŞKİN S.  
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries (EMCC-6), Antalya, Turkey, 7 - 12 March 2010, pp.176
- XXIV. **A Kinetic Study of Kurnakovite Dehydration: Coats-Redfern Model and Kinetic Compensation Effect**

FİGEN H. E. , PİŞKİN S.

1st International Conference on Chemical Engineering and Advanced Materials Virtual Forum2009 (CEAM 2009), NAPOLİ, Italy, 23 November - 08 December 2009, vol.1, pp.248-252

- XXV. **Vibrational Spectroscopic Study of the Mg-Borate Minerals: Kurnakovite and Inderite in Kirka Deposits**  
FİGEN H. E. , DERE ÖZDEMİR Ö., PİŞKİN S.  
4th International Boron Symposium, Eskişehir, Turkey, 15 - 17 October 2009, pp.745-749
- XXVI. **Characterization of Waste Chip Magnesium Chip: As a Hydrogen Storage Material**  
KANTÜRK FİGEN A., SARI YILMAZ M., FİGEN H. E. , PİŞKİN M. B.  
HYPOTHESIS VIII, Lizbon, Portugal, 01 April 2009, pp.1-10
- XXVII. **Investigation of Vitrification Process Of Galvanic Sludge: As A Raw Material For Glass Industry**  
DERE Ö., FİGEN H. E. , PİŞKİN M. B.  
7th International Industrial Minerals Symposium and Exhibition, Aydın, Turkey, 25 - 27 February 2009, pp.334-337
- XXVIII. **Crystallographic Structure of LiCoO<sub>2</sub> based Ruthenium Catalyst for Sodium Borohydride Hydrolysis**  
FİGEN H. E. , KANTÜRK A., GÜLDAL N. Ö. , BAYKARA Z. S. , PİŞKİN S.  
XXI Congress of the International Union of Crystallography (IUCr 2008), Osaka, Japan, 23 - 31 August 2008, vol.64, pp.530
- XXIX. **Crystal Structure Refinement of Waste-Chip Magnesium by Rietveld Analysis of X-Ray Powder Diffraction Data**  
KANTÜRK FİGEN A., SARI YILMAZ M., PİŞKİN M. B. , DERE ÖZDEMİR Ö., FİGEN H. E.  
XXI Congress of the International Union of Crystallography, 23 - 31 August 2008
- XXX. **The crystal phase characterization of by-products from sodium borohydride (NaBH<sub>4</sub>) production via high and low pressure process (HPP-LPP) by XRD analysis**  
SARI YILMAZ M., KANTÜRK FİGEN A., DERE ÖZDEMİR Ö., FİGEN H. E. , PİŞKİN S.  
XXI Congress of the International Union of Crystallography, 23 - 31 August 2008
- XXXI. **On-Board Hydrogen Production and Catalyst Manufacturing for Fuel Processors**  
FİGEN H. E. , GÜLDAL N. Ö. , BAYKARA Z. S.  
European Technology Platform for Sustainable Chemistry: SusChem Stakeholder Workshop 2nd Brokerage Event, Berlin, Germany, 29 - 30 January 2008
- XXXII. **Production of Hydrogen from Boron Minerals and Different Compounds Development Fuel Cell System**  
Figen H. E. , Kantürk A., Pişkin S.  
European Technology Platform for Sustainable Chemistry: SusChem Stakeholder Workshop 2nd Brokerage Event, Berlin, Germany, 29 - 30 January 2008
- XXXIII. **A New Quantitative Application of FT-IR/ATR: Sodium Borohydride Concentration in Discharged Borate Solution**  
KANTÜRK A., SARI M., FİGEN H. E. , PİŞKİN S.  
2nd International Hydrogen Energy Congress and Exhibition, İstanbul, Turkey, 13 - 15 July 2007
- XXXIV. **Catalytic hydrolysis of alkaline NaBH<sub>4</sub> solutions for hydrogen generation**  
GÜLDAL N. Ö. , FİGEN H. E. , BAYKARA Z. S.  
2nd International Hydrogen Energy Congress and Exhibition, İstanbul, Turkey, 13 - 15 July 2007
- XXXV. **Hydrogen from H<sub>2</sub>S in the Black Sea**  
Baykara Z. S. , Figen H. E. , Kale A., Veziroglu T. N.  
15th World Hydrogen Energy Conference, Yokohama, Japan, 27 June - 02 July 2004, pp.1-10
- XXXVI. **Seyir Halinde Hidrojen Üretimi**  
BAYKARA Z. S. , FİGEN H. E.  
2.Ulusal Hidrojen Konferansı, Ankara, Turkey, 09 July 2003, pp.99-103

## Supported Projects

Baykara Z. S. , Figen H. E. , EU Supported Other Project, Direct Conversion of Biomass to Electricity in MED area via an Internal Catalytic Gasification Solid Oxide Fuel Cell, 2017 - 2021

Baykara Z. S. , Figen H. E. , TUBITAK Project, Biyokütleden Gazlaştırma Yoluyla Hidrojen Üretim Teknolojisi, 2016 - 2020

FİGEN H. E. , BALKANLI E., Project Supported by Higher Education Institutions, Sodyumborhidrürün Sürekli Sistemlerde Hidrolizi ile Hidrojen Üretimi, 2013 - 2018

Baykara Z. S. , Çorbacıoğlu B. D. , Figen H. E. , EU Supported Other Project, Hydrogen production from H<sub>2</sub>S decomposition in micro-structured proton-conducting solid oxide membrane reactors (BS-ERA.NET Project ), 2011 - 2016

FİGEN H. E. , Project Supported by Higher Education Institutions, Muhtelif Yakıtlı, Düşük Emisyonlu Yakıt İşlemci Geliştirilmesi ve Seyir Hali Koşullarında Denenmesi, 2007 - 2010

FİGEN H. E. , CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Çeşitli Bileşiklerden Hidrojen Üretimi ve Yakıt Pili Geliştirilmesi (Bor Kaynaklı Sodyum Tetrahidroborattan Hidrojen Üretimi (No:23-DPT-07-01-02), 2003 - 2010

FİGEN H. E. , Project Supported by Higher Education Institutions, Proton Değişim Membranlı Yakıt Hücreli Taşıtlar İçin Seyir Halinde Yakıt Dönüşümü ile Hidrojen Üretim Seçeneklerinin İncelenmesi, 2003 - 2005

## Memberships / Tasks in Scientific Organizations

NATIONAL HYDROGEN ASSOCIATION, Member, 2017 - Continues

Chamber of Chemical Engineers of Turkey, Member, 1999 - Continues

## Scientific Refereeing

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, April 2021

NEW JOURNAL OF CHEMISTRY, SCI Journal, March 2021

APPLIED CATALYSIS A-GENERAL, SCI Journal, March 2021

APPLIED CATALYSIS A-GENERAL, SCI Journal, February 2021

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, August 2020

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, SCI Journal, July 2020

ENERGY & FUELS, SCI Journal, June 2020

APPLIED ENERGY, SCI Journal, May 2020

RENEWABLE ENERGY, SCI Journal, February 2020

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, December 2019

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, September 2019

RENEWABLE ENERGY, SCI Journal, September 2019

INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, SCI Journal, September 2019

APPLIED ENERGY, SCI Journal, August 2019

RENEWABLE ENERGY, SCI Journal, August 2019

APPLIED ENERGY, SCI Journal, August 2019

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, August 2019

International Journal Of Chemical Kinetics, SCI Journal, July 2019

Applied Energy, SCI Journal, July 2019

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, June 2019

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, December 2018

International Journal Of Hydrogen Energy, SCI Journal, December 2018

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, October 2018

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, October 2018

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, October 2018

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, October 2018  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, April 2018  
APPLIED ENERGY, SCI Journal, February 2018  
APPLIED CATALYSIS A-GENERAL, SCI Journal, September 2016  
APPLIED CATALYSIS A-GENERAL, SCI Journal, November 2015  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, May 2015  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, April 2015  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, February 2015  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, November 2013  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, November 2013

## **Tasks In Event Organizations**

Figen H. E. , BİYOKÜTLEDEN HİDROJEN ÜRETİM TEKNOLOJİSİ Odak Çalıştayı, Workshop Organization, İstanbul, Turkey, Mayıs 2017

## **Citations**

Total Citations (WOS):289  
h-index (WOS):10

## **Scholarships**

International Project ScholarshipBursiyeri : 15.12.2011- 25.07.2012 (7 ay); Hydrogen production from H<sub>2</sub>S decomposition in micro-structured proton-conducting solid oxide membrane reactors, BS-ERA.NET PILOT JOINT CALL 2010, European Commission, 2011 - 2012  
European Federation of Catalysis Societies, 6th EFCATS Summer School Accommodation Support Bursary, TUBITAK, 2010 - 2010  
XXI Congress of the International Union of Crystallography (IUCr 2008) Congress participation bursary (25000 Japanese Yen), Other International Organizations, 2008 - 2008