

## Prof. NAİME ASLI SEZGİ

### Personal Information

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### Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey 1991 - 1996

Post Graduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey 1988 - 1991

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey 1984 - 1988

### Research Areas

Chemical Engineering and Technology, Chemical Technologies, Process and Reactor Design, Engineering and Technology

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2009 - Continues

### Advising Theses

Sezgi N. A. , Doğu T., Hydrogen production from methanol steam reforming in a microwave reactor, Post Graduate, S.NIKAZAR(Student), 2019

SEZGİ N. A. , Production of valuable chemicals from plastic wastes containing polyethylene and polypropylene, Post Graduate, A.Rehman(Student), 2019

Sezgi N. A. , Doğu T., Development of bifunctional catalyst for the single-step synthesis of dimethyl ether, Post Graduate, M.İLKER(Student), 2019

SEZGİ N. A. , Autothermal reforming of petroleum fractions, Doctorate, A.Arslan(Student), 2019

Sezgi N. A. , Doğu T., Methanol steam reforming over silica aerogel supported catalyst for hydrogen production, Post Graduate, P.DEĞİRMENCİOĞLU(Student), 2018

Sezgi N. A. , Doğu T., Sorption enhanced reforming of ethanol over novel catalysts and microwave reactor application, Post Graduate, M.SARIYER(Student), 2018

Sezgi N. A. , Balcı F. S. , Adsorption properties of boron nitride nanotubes, Post Graduate, S.AHMAD(Student), 2016

SEZGİ N. A. , Synthesis and characterization of sta incorporated mesoporous materials as catalysts for polyethylene pyrolysis, Post Graduate, N.Kelebek(Student), 2016

Sezgi N. A. , Doğu T., Hydrogen production from formaldehyde, Post Graduate, C.AĞCA(Student), 2016

SEZGİ N. A. , BAYRAM G., Preparation and characterization of polymer composites containing boron compounds, Post Graduate, E.TOPÇUOĞLU(Student), 2016

SEZGİ N. A. , BAYRAM G., Polystyrene/boron nitride nanotube composites: Synthesis, processing and characterization,

Post Graduate, E.BALIK(Student), 2015

SEZGİ N. A. , Production of boron nitride using chemical vapor deposition method, Post Graduate, Ö.MERCAN(Student), 2014

Sezgi N. A. , Doğu T., Catalytic pyrolysis of plastic wastes over SAPO-34 catalyst, Post Graduate, T.BURSALI(Student), 2014

ERKOÇ Ş., SEZGİ N. A. , Investigation of structural properties of boron carbide nanosystems under mechanical and thermal effects: Molecular dynamics simulations, Doctorate, Y.ŞİMŞEK(Student), 2014

SEZGİ N. A. , Synthesis and characterization of STA incorporated mesoporous materials as catalysts for polyethylene pyrolysis, Post Graduate, N.ERDOĞAN(Student), 2013

SEZGİ N. A. , Synthesis and characterization of TPA loaded mesoporous catalysts and their performance in pyrolysis of polypropylene, Post Graduate, C.KASAPOĞLU(Student), 2013

SEZGİ N. A. , Production of boron nitride nanotubes from the reaction of NH<sub>3</sub> with boron and iron powder mixture, Post Graduate, S.Noyan(Student), 2012

SEZGİ N. A. , Production of boron nitride nanotubes from the reaction of NH<sub>3</sub> with boron and iron powder mixture, Post Graduate, S.NOYAN(Student), 2012

DOĞU T., SEZGİ N. A. , Dimethyl ether (DME) synthesis using mesoporous SAPO-34 like catalytic materials, Post Graduate, H.DEMİR(Student), 2011

SEZGİ N. A. , Carbon nanotube production, Post Graduate, C.HOCAOĞLU(Student), 2011

SEZGİ N. A. , Synthesis of mesoporous catalysts and their performance in pyrolysis of polyethylene, Post Graduate, B.AYDEMİR(Student), 2010

DOĞU T., SEZGİ N. A. , Synthesis of aluminum incorporated mesoporous catalysts for pyrolysis of polypropylene, Doctorate, Z.OBALI(Student), 2010

SEZGİ N. A. , BAYRAM G., Production of boron nitride nanotubes and their uses in polymer composites, Post Graduate, C.DEMİR(Student), 2010

SEZGİ N. A. , Production and characterization of boron nitride nanotubes, Post Graduate, D.ÖZMEN(Student), 2008

SEZGİ N. A. , Chemical vapor deposition of boron carbide, Doctorate, M.KARAMAN(Student), 2007

SEZGİ N. A. , Borik aitten bor oksit üretiminin kinetik incelemesi, Post Graduate, E.EREN(Student), 2005

SEZGİ N. A. , Gas phase reaction kinetics of boron fiber production, Post Graduate, F.FIRAT(Student), 2004

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

- I. **Performance comparison of microwave and conventionally heated reactors for sorption enhanced reforming of ethanol over Ni impregnated SBA-15**  
Sarıyer M., Bozdağ A. A. , Sezgi N. A. , Doğu T.  
CHEMICAL ENGINEERING JOURNAL, vol.377, 2019 (Journal Indexed in SCI)
- II. **Development of ceria and tungsten promoted nickel/alumina catalysts for steam reforming of diesel**  
Bozdağ A. A. , Kaynar A. D. D. , Doğu T., Sezgi N. A.  
CHEMICAL ENGINEERING JOURNAL, vol.377, 2019 (Journal Indexed in SCI)
- III. **Synthesis and Characterization of Aluminum Containing Silica Aerogel Catalysts for Degradation of PLA**  
Sivri S., Dilek Hacıhabiboğlu Ç., Sezgi N. A.  
INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, vol.17, 2019 (Journal Indexed in SCI)
- IV. **Pyrolysis of Polyethylene over Aluminum-Incorporated MCM-41 Catalyst**  
Aydemir B., SEZGİ N. A.  
CHEMICAL ENGINEERING COMMUNICATIONS, vol.203, no.5, pp.635-641, 2016 (Journal Indexed in SCI)
- V. **The Effects of Co-Mo/CaCO<sub>3</sub> Catalyst's Calcination Temperature and Co/Mo Weight Ratio on Carbon Nanotube Production**  
Hocaoglu C., SEZGİ N. A.  
CHEMICAL ENGINEERING COMMUNICATIONS, vol.202, no.8, pp.1041-1050, 2015 (Journal Indexed in SCI)
- VI. **Alumina and Tungstophosphoric Acid Loaded Mesoporous Catalysts for the Polyethylene**

## **Degradation Reaction**

Aydemir B., SEZGİ N. A.

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.52, no.44, pp.15366-15371, 2013 (Journal Indexed in SCI)

- VII. **Synthesis of boron nitride nanotubes from ammonia and a powder mixture of boron and iron oxide**  
Ozmen D., SEZGİ N. A., BALCI F. S.  
CHEMICAL ENGINEERING JOURNAL, vol.219, pp.28-36, 2013 (Journal Indexed in SCI)
- VIII. **Dimethyl ether, diethyl ether & ethylene from alcohols over tungstophosphoric acid based mesoporous catalysts**  
Ciftci A., VARIŞLI D., Tokay K. C., SEZGİ N. A., DOĞU T.  
CHEMICAL ENGINEERING JOURNAL, vol.207, pp.85-93, 2012 (Journal Indexed in SCI)
- IX. **Catalytic degradation of polypropylene over alumina loaded mesoporous catalysts**  
Obali Z., SEZGİ N. A., DOĞU T.  
CHEMICAL ENGINEERING JOURNAL, vol.207, pp.421-425, 2012 (Journal Indexed in SCI)
- X. **Boron Oxide Production Kinetics Using Boric Acid as Raw Material**  
BALCI F. S., SEZGİ N. A., Eren E.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.51, no.34, pp.11091-11096, 2012 (Journal Indexed in SCI)
- XI. **Synthesis of TPA impregnated SBA-15 catalysts and their performance in polyethylene degradation reaction**  
Aydemir B., SEZGİ N. A., DOĞU T.  
AIChE JOURNAL, vol.58, no.8, pp.2466-2472, 2012 (Journal Indexed in SCI)
- XII. **Gas phase reaction kinetics in boron fibre production**  
Firat F., SEZGİ N. A., Ozbelge H. O., DOĞU T.  
AIChE JOURNAL, vol.58, no.5, pp.1562-1569, 2012 (Journal Indexed in SCI)
- XIII. **The synthesis and characterization of aluminum loaded SBA-type materials as catalyst for polypropylene degradation reaction**  
Obali Z., SEZGİ N. A., DOĞU T.  
CHEMICAL ENGINEERING JOURNAL, vol.176, pp.202-210, 2011 (Journal Indexed in SCI)
- XIV. **Nafion-Incorporated Silicate Structured Nanocomposite Mesoporous Catalysts for Dimethyl Ether Synthesis**  
Ciftci A., SEZGİ N. A., DOĞU T.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.49, no.15, pp.6753-6762, 2010 (Journal Indexed in SCI)
- XV. **Production of B4C Coatings by CVD Method in a Dual Impinging-Jet Reactor: Chemical Yield, Morphology, and Hardness Analysis**  
Karaman M., SEZGİ N. A., Ozbelge H. O.  
AIChE JOURNAL, vol.55, no.11, pp.2914-2919, 2009 (Journal Indexed in SCI)
- XVI. **Mechanism Studies on CVD of Boron Carbide from a Gas Mixture of BCl<sub>3</sub>, CH<sub>4</sub>, and H<sub>2</sub> in a Dual Impinging-jet Reactor**  
Karaman M., SEZGİ N. A., DOĞU T., Ozbelge H. O.  
AIChE JOURNAL, vol.55, no.3, pp.701-709, 2009 (Journal Indexed in SCI)
- XVII. **Performance of Acidic MCM-Like Aluminosilicate Catalysts in Pyrolysis of Polypropylene**  
Obali Z., SEZGİ N. A., DOĞU T.  
CHEMICAL ENGINEERING COMMUNICATIONS, vol.196, pp.116-130, 2009 (Journal Indexed in SCI)
- XVIII. **Kinetic investigation of chemical vapor deposition of B4C on tungsten substrate**  
Karaman M., Sezgi N. A., Dogu T., Ozbelge H. O.  
AIChE JOURNAL, vol.52, no.12, pp.4161-4166, 2006 (Journal Indexed in SCI)
- XIX. **Synthesis and characterization of boron carbide films by plasma-enhanced chemical vapor deposition**  
Eroglu O., Sezgi N., Ozbelge H., Durmazucar H.  
CHEMICAL ENGINEERING COMMUNICATIONS, vol.190, no.3, pp.360-372, 2003 (Journal Indexed in SCI)

- XX. **CVD of boron and dichloroborane formation in a hot-wire fiber growth reactor**  
Sezgi N., Ersoy A., Dogu T., Ozbelge H.  
CHEMICAL ENGINEERING AND PROCESSING, vol.40, no.6, pp.525-530, 2001 (Journal Indexed in SCI)
- XXI. **Kinetic studies for boron carbide formation in a dual impinging-jet reactor**  
Noyan-Dilek S., Ozbelge H., Sezgi N., Dogu T.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.40, no.3, pp.751-755, 2001 (Journal Indexed in SCI)
- XXII. **BHCl<sub>2</sub> formation during chemical vapor deposition of boron in a dual-impinging jet reactor**  
Sezgi N., Dogu T., Ozbelge H.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.36, no.12, pp.5537-5540, 1997 (Journal Indexed in SCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **The Contribution of Metal Loaded Mesoporous Catalysts to Recycling of Polylactic Acid**  
SİVRİ S., DİLEK HACİHABİBOĞLU Ç., SEZGİ N. A.  
EuropaCat 2019: 14th European Congress on Catalysis, Aachen, Germany, 18 - 23 August 2019
- II. **Polystyrene/Boron Nitride Nanotube Composites: Preparation and Characterization**  
BALIK E., BAYRAM G., SEZGİ N. A.  
35th INTERNATIONAL CONFERENCE of THE POLYMER PROCESSING SOCIETY (PPS-35), İzmir, Turkey, 26 - 30 May 2019
- III. **The Effect of Synthesis Parameters for the Mesoporous Carbons Using Silica Aerogel Templates**  
SARIYER M., SEZGİ N. A. , Doğu T.  
2019 MRS Spring Meeting and Exhibit, Phoenix, United States Of America, 22 - 26 April 2019
- IV. **Comparison of Performances of Microwave and Conventionally Heated Reactors in Sorption Enhanced Reforming of Ethanol over Ni Incorporated Mesoporous Catalysts**  
Sarıyer M., Sezgi N. A. , Doğu T.  
XXIX Interamerican Congress of Chemical Engineering Incorporating the 68th Canadian Chemical Engineering Conference, Ontario, Canada, 28 - 31 October 2018
- V. **Metal Yüklü Silika Aerojel Destekli Katalizörlerin Polilaktik Asidin (PLA) Bozunması Üzerine Etkisinin İncelenmesi**  
Sivri S., Dilek Hacıhabiboğlu Ç., Sezgi N. A.  
UKMK 13, Van, Turkey, 3 - 06 September 2018
- VI. **Buharlı metanol reformlama Reaksiyondan Silika Aerojel Destekli Katalizör ile hidrojen Üretimi**  
DEĞİRMENCİOĞLU P., SEZGİ N. A. , Doğu T.  
UKMK 13, Turkey, 3 - 06 September 2018
- VII. **Etanolün Adsorpsiyon Destekli Reformlanmasına Katalizör ve Sorbent Sıralamasının Etkisi**  
SARIYER M., SEZGİ N. A. , Doğu T.  
UKMK 13, Turkey, 3 - 06 September 2018
- VIII. **Metanol dehidrasyon Katalizörünün Sentez Gazından Doğrudan Dimetil Eter Üretim Reaksiyonuna Etkisi**  
Pekmezci Karaman B., Oktar N., Sezgi N. A. , Doğu G., Doğu T.  
UKMK 13, Van, Turkey, 3 - 06 September 2018
- IX. **Hydrogen Production from the Steam Reforming of Methanol over Silica AerogelSupported Catalysts**  
DEĞİRMENCİOĞLU P., SEZGİ N. A. , Doğu T.  
EMCC9, 31 August - 02 September 2018
- X. **CO Free Hydrogen Production via Steam Reforming of Methanol over Metal Loaded Mesoporous Carbon**  
Nikazar S., SEZGİ N. A. , Doğu T.  
EMCC 9, 31 August - 02 September 2018
- XI. **Recycling of Polylactic Acid by Pyrolysis over Aluminum Loaded Silica Aerogel**  
Sivri S., Dilek Hacıhabiboğlu Ç., Sezgi N. A.

EMCC 9, Ankara, Turkey, 31 August - 02 September 2018

- XII. **Performance of Aluminum and Tungstophosphoric Acid Loaded Silica Aerogel in Degradation of Polypropylene**  
Habib A. R. R. , Doğu T., SEZGİ N. A.  
EMCC 9, 31 August - 02 September 2018
- XIII. **The Effect of Divided Section Packing Concept on Hydrogen Purity in Sorption Enhanced Steam Reforming of Ethanol**  
SARIYER M., SEZGİ N. A. , Doğu T.  
EMCC 9, 31 August - 02 September 2018
- XIV. **Temperature Effect on Methanol Synthesis from Syngas over Cu-Zn Based Catalyst**  
PEKMEZCİ KARAMAN B., OKTAR N., Doğu G., SEZGİ N. A. , Doğu T.  
EMCC 9, 31 August - 02 September 2018
- XV. **CeO<sub>2</sub> and W Modified Mesoporous Ni/Al<sub>2</sub>O<sub>3</sub> Catalysts for Hydrogen Production by Steam Reforming of Diesel Fuel**  
ARSLAN BOZDAĞ A., Deniz Kaynar A. D. , SEZGİ N. A. , Doğu T.  
ISCRE 25, 20 - 23 May 2018
- XVI. **Performances of Microwave and Conventionally Heated Reactors in Sorption Enhanced Reforming of Ethanol over Ni Impregnated SBA-15**  
Sariyer M., Arslan Bozdağ A., Sezgi N. A. , Doğu T.  
ISCRE 25, Florence, Italy, 20 - 23 May 2018
- XVII. **Copper-Zinc Based Bifunctional Catalysts Containing Zirconia and Alumina Promoters for Methanol Synthesis**  
PEKMEZCİ KARAMAN B., OKTAR N., SEZGİ N. A. , Doğu G., Doğu T.  
International Congress on Engineering and Life Science, 26 - 29 April 2018
- XVIII. **Production and Characterization of Boron Nitride Nanotubes from Reaction of Ammonia with Mixture of Boron and Iron Powders**  
SEZGİ N. A. , Noyan S.  
2017 MRS Fall Meeting Exhibit, 26 November - 01 December 2017
- XIX. **Methanol Steam Reforming over Silica Aerogel Catalyst for Hydrogen Production**  
DEĞİRMENCİOĞLU P., SEZGİ N. A. , Doğu T.  
3rd International Porous Powder Materials Symposium and Exhibition (PPM 2017), 12 - 15 September 2017
- XX. **Effect of Pressure on Direct Dimethyl Ether (DME) Synthesis from Syngas over Tungstophosphoric Acid (TPA) Impregnated Mesoporous Alumina Catalyst**  
ERKAL D., OKTAR N., SEZGİ N. A. , DOĞU G., DOĞU T.  
The Porous and Powder Materials Symposium and Exhibitions (PPM 2017), 12 - 15 September 2017
- XXI. **Performance of TPA Incorporated Cu-Zn based Catalysts in Dimethyl Ether and Methanol Synthesis from Syngas**  
PEKMEZCİ KARAMAN B., OKTAR N., SEZGİ N. A. , GÜLŞEN D., TİMUR D.  
The Porous and Powder Materials Symposium and Exhibitions (PPM 2017), 12 - 15 September 2017
- XXII. **Development of Bifunctional Catalyst for the Single-Step Synthesis of Dimethyl Ether**  
Şener M. İ. , SEZGİ N. A. , Doğu T., OKTAR N.  
4th Anatolian School of Catalysis, 11 - 14 September 2017
- XXIII. **Effect of Tungsten or Ceria Incorporation into Ni/Al<sub>2</sub>O<sub>3</sub> Catalysts on Hydrogen Production through Diesel Steam Reforming Reaction**  
ARSLAN BOZDAĞ A., Deniz Kaynar A. D. , SEZGİ N. A. , Doğu T.  
4th Anatolian School of Catalysis, 11 - 14 September 2017
- XXIV. **Effect of Nickel impregnated Catalyst Supports on Hydrogen Yield in the Ethanol Steam Reforming Reaction**  
SARIYER M., SEZGİ N. A. , Doğu T.  
4th Anatolian School of Catalysis, 11 - 14 September 2017
- XXV. **Hydrogen Production through Diesel Steam Reforming Reaction over CeO<sub>2</sub> or W Incorporated Al<sub>2</sub>O<sub>3</sub>**

## **Supported Ni Catalysts**

ARSLAN BOZDAĞ A., Deniz Kaynar A. D. , SEZGİ N. A. , Doğu T.

Hypothesis XII, Siracusa, Italy, 28 - 30 June 2017

- XXVI. **Sorption Enhanced Steam Reforming of Ethanol with Ceria-SBA-15 Supported Nickel Catalysts**  
SARIYER M., ARSLAN BOZDAĞ A., SEZGİ N. A. , Doğu T.  
2nd International Hydrogen Technologies Congress, 15 - 18 March 2017
- XXVII. **Development of Tungsten or Ceria Incorporated Mesoporous Alumina Supported Nickel Catalysts for Hydrogen Production through Diesel Steam Reforming Reaction**  
ARSLAN BOZDAĞ A., Deniz Kaynar A. D. , SEZGİ N. A. , Doğu T.  
2 nd hydrogen Technologies Congress, 15 - 18 March 2017
- XXVIII. **Polypropylene Boron Nitride Nanotube Composites Synthesis Modification Processing and Characterization**  
Sezgi N. A. , Bayram G., Demir C.  
2016 MRS Fall Meeting, Massachusetts, United States Of America, 27 November - 02 December 2016
- XXIX. **Sentez Gazından DME Metanol Üretimi**  
PEKMEZCİ B., Erkal D., OKTAR N., Doğu G., SEZGİ N. A. , Doğu T.  
12. Ulusal Kimya Mühendisliği, Turkey, 23 - 26 August 2016
- XXX. **Ni SBA 15 Katalizörü Üzerinde Adsorpsiyon Destekli Buharlı Etanol Reformlanmanın Elektrik Isıtmalı ve Mikrodalga Reaktörde İncelenmesi**  
SARIYER M., ARSLAN BOZDAĞ A., SEZGİ N. A. , Doğu T.  
12. Ulusal Kimya Mühendisliği Kongresi, Turkey, 23 - 26 August 2016
- XXXI. **Tungstofosforik Asit Yüklü Mezogözenekli Alümina Katalizörlerin DME Üretimi İçin Sentezlenmesi**  
Şener M. İ. , SEZGİ N. A. , Doğu T., Doğu G., OKTAR N.  
12. Ulusal Kimya Mühendisliği Kongresi, Turkey, 23 - 26 August 2016
- XXXII. **Development of Ceria Alumina Supported Nickel Catalysts for Steam Reforming of Diesel**  
ARSLAN BOZDAĞ A., Deniz Kaynar A. D. , SEZGİ N. A. , Doğu T.  
21 st World Hydrogen Energy Conference 2016, 13 - 16 June 2016
- XXXIII. **Ceria Incorporated Alumina Supported Nickel Catalysts for Steam Reforming Reaction of Diesel Fuel**  
ARSLAN BOZDAĞ A., Deniz Kaynar A. D. , SEZGİ N. A. , Doğu T.  
The 6 th Catalysis Conference, Turkey, 27 - 30 April 2016
- XXXIV. **Effects of Synthesis Route Calcination Temperature on Structural and Acidic Properties of Mesoporous  $\gamma$ -Al<sub>2</sub>O<sub>3</sub>**  
Erkal D., Bekmezci B., OKTAR N., Doğu G., SEZGİ N. A. , Doğu T.  
The 6th Catalysis Conference, Turkey, 27 - 30 April 2016
- XXXV. **Synthesis of Tungstophosphoric Acid Incorporated Mesoporous Alumina Catalysts for Methanol Dehydration in DME Synthesis**  
Şener M. İ. , SEZGİ N. A. , Doğu T., Doğu G., OKTAR N.  
The 6th Catalysis Conference, Turkey, 27 - 30 April 2016
- XXXVI. **Sorption Enhanced Steam Reforming of Ethanol Over Ni Impregnated SBA 15 Catalys**  
SARIYER M., ARSLAN BOZDAĞ A., SEZGİ N. A. , Doğu T.  
The 6 th Catalysis Conference, Turkey, 27 - 30 April 2016
- XXXVII. **Pyrolysis of polystyrene over SAPO 34**  
Tülay B., SEZGİ N. A. , Timur D.  
2015 AIChE Annual Meeting, 8 - 13 November 2015
- XXXVIII. **Effect of metal incorporation on the structural properties of SBA 15**  
SARIYER M., Aslan A., SEZGİ N. A. , Dogu T.  
PPM 2015, 15 - 18 September 2015
- XXXIX. **Sorption enhanced reforming of ethanol in a microwave reactor**  
Dogu T., Aslan A., SARIYER M., SEZGİ N. A.  
12th international conference on gas-liquid and gas-liquid-solid reactor engineering, 28 June - 01 July 2015
- XL. **Mechanism and characterization studies on boron carbides deposited by chemical vapor deposition**

## technique

Karaman M., Özbelge H. Ö. , Sezgi N. A. , Doğu T.

Symposium on Materials and Technologies for Direct Thermal-to-Electric Energy Conversion held at the 2005 MRS Fall Meeting, Massachusetts, United States Of America, 28 November - 02 December 2005, vol.886, pp.455-456

### XL1. Kinetic Studies of Boron Carbide Formation by Chemical Vapor Deposition

Noyan D., HÖ Ö., Dogu T., SEZGİ N. A.

35 inci yıl ve üç uluslu Amerika-Türkiye-İsrail konferansı, 9 - 11 March 1999

### XLII. Mechanism of CVD of Boron by Hydrogen Reduction of BCl<sub>3</sub>

SEZGİ N. A. , Dogu T., HÖ O.

ISCRE 15, 13 - 16 September 1998

### XLIII. Polyethylene Pyrolysis Theory and Experiments for Molecular Weight Distribution Kinetics

SEZGİ N. A. , SC W., Smith J., BJ M.

ISCRE 15, 13 September 1998 - 16 September 1996

### XLIV. Kinetic Studies for CVD of Boron in an Impinging Jet Reactor

SEZGİ N. A. , Dogu T., HÖ O.

Fifth World Congress of Chemical Engineering Technologies Critical to a Changing World, 14 - 18 July 1996

## Supported Projects

SEZGİ N. A. , AHMAD KHAN S., Project Supported by Higher Education Institutions, FORMALDEHİTİN BUHARLI REFORMLANMASINDA HİDROJEN ÜRETİMİ İÇİN KATALİZÖR GELİŞTİRİLMESİ, 2018 - 2019

SEZGİ N. A. , ARSLAN A., Project Supported by Higher Education Institutions, PETROL FRAKSİYONLARININ OTOTERMAL REFORMLANMASI, 2018 - 2019

SEZGİ N. A. , SIVRİ S., Project Supported by Higher Education Institutions, POLİMER ATIKLARININ ÇEŞİTLİ TEKNİKLER KULLANILARAK GERİ DÖNÜŞÜMÜ, 2018 - 2019

SEZGİ N. A. , REHMAN RAJABALİ-HABİB A., Project Supported by Higher Education Institutions, PRODUCTION OF VALUABLE CHEMICALS FROM PLASTIC WASTES CONTAINING POLYETHYLENE AND POLYPROPYLENE, 2018 - 2019

SEZGİ N. A. , ARSLAN BOZDAĞ A., Project Supported by Higher Education Institutions, Dizelin Reformlanma Reaksiyonlarında Çalışma Parametrelerinin Optimizasyonu, 2018 - 2019

Sezgi N. A. , TUBITAK Project, Yerleşik Sistem Yakıt Pillerinde Hidrojen İhtiyacının Karşlanması İçin Süreç Yakıt ve Katalizör Sistemi Tasarımı, 2015 - 2018

SEZGİ N. A. , SARIYER M., Project Supported by Higher Education Institutions, Mikrodalga Reaktörde Adsorpsiyon Destekli Buharlı Etanol Reformlanmasından Hidrojen Üretimi, 2017 - 2017

SEZGİ N. A. , Project Supported by Higher Education Institutions, PETROL FRAKSİYONLARININ OTOTERMAL REFORMLANMASI, 2017 - 2017

SEZGİ N. A. , Project Supported by Higher Education Institutions, ADSORPSİYON DESTEKLİ METANOLÜN BUHAR REFORMLANMASI REAKSİYONU İÇİN BAKIR YÜKLENMİŞ MEZOGÖZENEKLİ KARBON KATALİZÖRLERİN SENTEZLENMESİ, 2017 - 2017

SEZGİ N. A. , Project Supported by Higher Education Institutions, ALKOLERİN YENİ KATALİZÖRLERLE MİKRODALGA REAKTÖRDE ADSORPSİYON DESTEKLİ BUHARLI REFORMLANMASI, 2017 - 2017

SEZGİ N. A. , Project Supported by Higher Education Institutions, HİDROJEN ÜRETİMİ İÇİN SİLİKA AEROJEL İLE METANOL BUHAR REFORMLANMASI, 2017 - 2017

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