

Assoc. Prof. Murat Rakap

Personal Information

Office Phone: [+90 432 444 5065](tel:+904324445065) Extension: 25614

Email: mrakap@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/mrakap>

Education Information

Under Graduate, Anadolu University, Faculty Of Economics, Department Of Public Administration, Turkey 2020 - Continues

Under Graduate, Anadolu University, Faculty Of Economics, Department Of International Relations, Turkey 2013 - 2018

Doctorate, Middle East Technical University, Fen Bilimleri, Anorganik Kimya, Turkey 2004 - 2011

Post Graduate, Karadeniz Technical University, Fen Bilimleri, Anorganik Kimya, Turkey 2000 - 2002

Under Graduate, Karadeniz Technical University, Fen-Edebiyat , Kimya, Turkey 1995 - 1999

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Preparation and characterization of zeolite confined cobalt(0) nanoclusters as catalyst for hydrogen generation from the hydrolysis of sodium borohydride and ammonia borane , Middle East Technical University, Fen Bilimleri, Anorganik Kimya, 2011

Post Graduate, 20-Üyeli Taç Eter Grubu İçeren Simetrik Ftalosiyanınların Sentezi ve Karakterizasyonu, Karadeniz Technical University, Fen Bilimleri, Anorganik Kimya, 2002

Research Areas

Chemistry, Inorganic Chemistry, Catalysis, Coordination Chemistry, nanoclusters, Natural Sciences

Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği, 2016 - Continues

Assistant Professor, Van Yüzüncü Yil University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği, 2013 - 2016

Research Assistant PhD, Van Yüzüncü Yil University, Fen Fakültesi, Kimya, 2011 - 2013

Other, The Florida State University, College Of Engineering, Department Of Chemical And Biomedical Engineering, 2010 - 2011

Research Assistant, Middle East Technical University, Fen-Edebiyat Fakültesi, Kimya, 2002 - 2011

Research Assistant, Karadeniz Technical University, Fen-Edebiyat, Kimya, 2000 - 2002

Professional Experience

Rectorate Commissioner, Van Yüzüncü Yil University, 2019 - Continues
Merkez Yönetim Kurulu Üyesi, Van Yüzüncü Yil University, -----, 2018 - Continues
Assistant Manager of Research and Application Center, Van Yüzüncü Yil University, -----, 2018 - Continues
Fakülte Yönetim Kurulu Üyesi, Van Yüzüncü Yil University, Denizcilik Fakültesi, 2016 - Continues
Fakülte Kurulu Üyesi, Van Yüzüncü Yil University, Denizcilik Fakültesi, 2014 - Continues
Head of Department, Van Yüzüncü Yil University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği, 2014 - Continues
Head of Department, Van Yüzüncü Yil University, Denizcilik Fakültesi, Deniz Ulaştırma İşletme Mühendisliği Bölümü, 2014 - Continues
Rectorate Commissioner, Van Yüzüncü Yil University, Eğitim Komisyonu, 2015 - 2017
Academic Performance D. Board Member, Van Yüzüncü Yil University, Denizcilik Fakültesi, 2015 - 2016
Vice Dean, Van Yüzüncü Yil University, Denizcilik Fakültesi, 2015 - 2016

Courses

Anorganik Kimyada Temel Eğilimler, Post Graduate, 2014 - 2015
Kimyasal Bağlanma ve Moleküler Geometri, Post Graduate, 2014 - 2015

Advising Theses

Rakap M., Poli(N-Vinil-2-Pirrolidon) ile Kararlılaştırılmış Nikel-Rutenyum Nanokümlerinin Sentezi Tanımlanması ve Amonyak Boranın Hidrolizinde Katalizör Olarak Kullanılması, Post Graduate, B.ABAY(Student), 2019
Rakap M., Karboksimetil Selüloz ile Kararlılaştırılmış Nikel-Rodyum Nanokümlerinin Sentezi Tanımlanması ve Hidrazin Boranın Hidrolizinde Katalizör Olarak Kullanılması, Post Graduate, N.TUNÇ(Student), 2019

Jury Memberships

Doctorate, Doctorate, Van Yüzüncü Yil Üniversitesi, September, 2020
Doctoral Examination, Doctoral Examination, Van Yüzüncü Yil Üniversitesi, August, 2020
Doctorate, Doctorate, Van Yüzüncü Yil Üniversitesi, August, 2020
Doctoral Examination, Doktora Yeterlik Sınavı-Mehmet YURDERİ, Van Yüzüncü Yil Üniversitesi, December, 2019
Doctoral Examination, Doktora Yeterlik Sınavı-Ahmet BULUT, Van Yüzüncü Yil Üniversitesi, December, 2019
Doctoral Examination, Doktora Yeterlik Sınavı-Yaşar KARATAŞ, Van Yüzüncü Yil Üniversitesi, December, 2019
Appointment Academic Staff, Dr. Ömer SÖNER'in Dr. Öğr. Üyeliğine Atanması, Van Yüzüncü Yil Üniversitesi, November, 2019
Post Graduate, Alper YILDIRIM, Van Yüzüncü Yil Üniversitesi, August, 2019
Post Graduate, H. Fikret BARANSEL, Van Yüzüncü Yil Üniversitesi, August, 2019
Doctorate, Kadir KARAKAŞ, Van Yüzüncü Yil Üniversitesi, January, 2019
Academic Staff Examination, Araştırma Görevlisi Alım Sınavı-İsmail KARACA, Van Yüzüncü Yil Üniversitesi, January, 2019
Appointment Academic Staff, Dr. Beyza CABİR'in Dr. Öğr. Üyeliğine Atanması, Van Yüzüncü Yil Üniversitesi, May, 2018
Doctorate, Doktora Tez Savunması-Melike SEVİM YILMAZ, Atatürk Üniversitesi, February, 2018
Doctoral Examination, Doktora Yeterlik Sınavı-İbtihel ZAIER, Atatürk Üniversitesi, February, 2018
Post Graduate, Yüksek Lisans Tez Savunması-İsmail Burak BAĞUÇ, Yüzüncü Yil Üniversitesi, December, 2017
Doctorate, Doktora Tez Savunması-İlknur EFECAN ERTAŞ, Yüzüncü Yil Üniversitesi, September, 2017
Post Graduate, Yüksek Lisans Tez Savunması-Zekeriya BALLI, Yüzüncü Yil Üniversitesi, July, 2017

Doctoral Examination, Doktora Yeterlik Sınavı-Mehmet Salih KESKİN, Yüzüncü Yıl Üniversitesi, January, 2017
Post Graduate, Yüksek Lisans Tez Savunması-Ahmet BULUT, Yüzüncü Yıl Üniversitesi, September, 2016
Post Graduate, Yüksek Lisans Tez Savunması-Mehmet YURDERİ, Yüzüncü Yıl Üniversitesi, September, 2016
Post Graduate, Yüksek Lisans Tez Savunması-Suzan GÜNKUT, Yüzüncü Yıl Üniversitesi, May, 2016
Post Graduate, Yüksek Lisans Tez Savunması-Nihayet KONUŞ, Yüzüncü Yıl Üniversitesi, October, 2015
Post Graduate, Yüksek Lisans Tez Savunması-Ceyhan KARATAŞ, Yüzüncü Yıl Üniversitesi, September, 2015
Post Graduate, Yüksek Lisans Tez Savunması-Esra EKER, Osmaniye Korkutata Üniversitesi, April, 2015
Post Graduate, Yüksek Lisans Tez Savunması-Yaşar KARATAŞ, Yüzüncü Yıl Üniversitesi, September, 2014
Post Graduate, Yüksek Lisans Tez Savunması-Emrah DEDE, Yüzüncü Yıl Üniversitesi, July, 2014

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

- **Preparation and characterization of Ni-M (M: Ru, Rh, Pd) nanoclusters as efficient catalysts for hydrogen evolution from ammonia borane methanolysis**
Tunç N., Rakap M.
RENEWABLE ENERGY, vol.155, pp.1222-1230, 2020 (Journal Indexed in SCI)
- **Synthesis and characterization of bimetallic cobalt-rhodium nanoclusters as effective catalysts to produce hydrogen from ammonia borane hydrolysis**
Rakap M.
RENEWABLE ENERGY, vol.154, pp.1076-1082, 2020 (Journal Indexed in SCI)
- **Catalytic hydrolysis of hydrazine borane to release hydrogen by cobalt-ruthenium nanoclusters**
Rakap M.
International Journal Of Hydrogen Energy, vol.45, pp.15611-15617, 2020 (Journal Indexed in SCI)
- **Nickel-rhodium nanoparticles as active and durable catalysts for hydrogen liberation**
Tunç N., Rakap M.
INORGANIC AND NANO-METAL CHEMISTRY, pp.665-673, 2020 (Journal Indexed in SCI)
- **Hydrolysis of ammonia borane and hydrazine borane by poly(N-vinyl-2-pyrrolidone)-stabilized CoPd nanoparticles for chemical hydrogen storage**
Rakap M., Abay B., Tunc N.
TURKISH JOURNAL OF CHEMISTRY, vol.41, pp.221-232, 2017 (Journal Indexed in SCI)
- **Hydrogen generation from hydrolytic dehydrogenation of hydrazine borane by poly(N-vinyl-2-pyrrolidone)-stabilized palladium nanoparticles**
TUNC N., ABAY B., Rakap M.
JOURNAL OF POWER SOURCES, vol.299, pp.403-407, 2015 (Journal Indexed in SCI)
- **PVP-stabilized Ru-Rh nanoparticles as highly efficient catalysts for hydrogen generation from hydrolysis of ammonia borane**
Rakap M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.649, pp.1025-1030, 2015 (Journal Indexed in SCI)
- **Poly(N-vinyl-2-pyrrolidone)-stabilized palladium-platinum nanoparticles-catalyzed hydrolysis of ammonia borane for hydrogen generation**
Rakap M.
JOURNAL OF POWER SOURCES, vol.276, pp.320-327, 2015 (Journal Indexed in SCI)
- **The highest catalytic activity in the hydrolysis of ammonia borane by poly(N-vinyl-2-pyrrolidone)-protected palladium-rhodium nanoparticles for hydrogen generation**
Rakap M.
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.163, pp.129-134, 2015 (Journal Indexed in SCI)
- **Hydrolysis of Sodium Borohydride and Ammonia Borane for Hydrogen Generation Using Highly Efficient Poly(N-Vinyl-2-Pyrrolidone)-Stabilized Ru-Pd Nanoparticles as Catalysts**
Rakap M.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.12, pp.1288-1300, 2015 (Journal Indexed in SCI)

- **Hydrogen generation from the hydrolytic dehydrogenation of ammonia borane using electrolessly deposited cobalt-phosphorus as reusable and cost-effective catalyst**
Rakap M.
JOURNAL OF POWER SOURCES, vol.265, pp.50-56, 2014 (Journal Indexed in SCI)
- **Hydrogen generation from hydrolysis of ammonia borane in the presence of highly efficient poly(N-vinyl-2-pyrrolidone)-protected platinum-ruthenium nanoparticles**
Rakap M.
APPLIED CATALYSIS A-GENERAL, vol.478, pp.15-20, 2014 (Journal Indexed in SCI)
- **Hydrogen generation from hydrolysis of ammonia-borane using Pd-PVB-TiO₂ and Co-Ni-P/Pd-TiO₂ under stirred conditions**
Rakap M., KALU E. E. , ÖZKAR S.
JOURNAL OF POWER SOURCES, vol.210, pp.184-190, 2012 (Journal Indexed in SCI)
- **Hydroxyapatite-supported cobalt(0) nanoclusters as efficient and cost-effective catalyst for hydrogen generation from the hydrolysis of both sodium borohydride and ammonia-borane**
Rakap M., ÖZKAR S.
CATALYSIS TODAY, vol.183, pp.17-25, 2012 (Journal Indexed in SCI)
- **Cobalt-nickel-phosphorus supported on Pd-activated TiO₂ (Co-Ni-P/Pd-TiO₂) as cost-effective and reusable catalyst for hydrogen generation from hydrolysis of alkaline sodium borohydride solution**
Rakap M., KALU E. E. , ÖZKAR S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.509, pp.7016-7021, 2011 (Journal Indexed in SCI)
- **Hydroxyapatite-supported palladium(0) nanoclusters as effective and reusable catalyst for hydrogen generation from the hydrolysis of ammonia-borane**
Rakap M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, pp.7019-7027, 2011 (Journal Indexed in SCI)
- **Hydrogen generation from the hydrolysis of ammonia borane using cobalt-nickel-phosphorus (Co-Ni-P) catalyst supported on Pd-activated TiO₂ by electroless deposition**
Rakap M., KALU E. E. , ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, pp.254-261, 2011 (Journal Indexed in SCI)
- **Polymer-immobilized palladium supported on TiO₂ (Pd-PVB-TiO₂) as highly active and reusable catalyst for hydrogen generation from the hydrolysis of unstirred ammonia-borane solution**
Rakap M., KALU E. E. , ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, pp.1448-1455, 2011 (Journal Indexed in SCI)
- **Room temperature aerobic Suzuki cross-coupling reactions in DMF/water mixture using zeolite confined palladium(0) nanoclusters as efficient and recyclable catalyst**
Durap F., Rakap M., Aydemir M., ÖZKAR S.
APPLIED CATALYSIS A-GENERAL, vol.382, pp.339-344, 2010 (Journal Indexed in SCI)
- **Hydrogen generation from the hydrolysis of ammonia-borane using intrazeolite cobalt(0) nanoclusters catalyst**
Rakap M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, pp.3341-3346, 2010 (Journal Indexed in SCI)
- **Zeolite confined palladium(0) nanoclusters as effective and reusable catalyst for hydrogen generation from the hydrolysis of ammonia-borane**
Rakap M., ÖZKAR S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, pp.1305-1312, 2010 (Journal Indexed in SCI)
- **Intrazeolite cobalt(0) nanoclusters as low-cost and reusable catalyst for hydrogen generation from the hydrolysis of sodium borohydride**
Rakap M., ÖZKAR S.
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.91, pp.21-29, 2009 (Journal Indexed in SCI)
- **The synthesis and characterization of new metal-free and metallo phthalocyanines substituted with four dithiatetraoxa macrocyclic moieties**
KANTEKIN H., Rakap M., MISIR M. N. , GOEK H. Z. , ACAR I.

- JOURNAL OF COORDINATION CHEMISTRY, vol.60, pp.1965-1972, 2007 (Journal Indexed in SCI)
Synthesis and characterization of new metal-free and phthalocyanine nickel(II) complex containing macrocyclic moieties
KANTEKIN H., Rakap M., GOK Y., SAHINBAS H. Z.
DYES AND PIGMENTS, vol.74, pp.21-25, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Hydrolysis of Hydrazine Borane for Chemical Hydrogen Storage by Highly Efficient Poly(N-vinyl-2-pyrrolidone)- protected Rhodium Nanoparticles**
ABAY B., TUNÇ N., Rakap M.
NANOWORLD JOURNAL, vol.3, pp.23-28, 2017 (Refereed Journals of Other Institutions)

Books & Book Chapters

- **Okul Öncesi Dönemde Kimyaya ilişkin Farkındalık**
Kıvrak A., Rakap M.
in: Erken Çocuklukta Fen Eğitimi, Rakap A. P., Editor, Eğiten Kitap, Ankara, pp.89-115, 2018

Refereed Congress / Symposium Publications in Proceedings

- **Hydrogen Generation from Hydrolysis of Hydrazine Borane by Poly(N-vinyl-2-pyrrolidone)-stabilized CoRu Nanoparticles**
Rakap M., TUNÇ N.
3.International Academic Studies Conference, Antalya, Turkey, 14 - 16 October 2019, pp.168-169
- **CoRh Nanoparticles as Efficient Catalysts for Hydrogen Generation from Hydrolysis of Ammonia Borane**
Rakap M., ABAY B.
3.International Academic Studies Conference, Antalya, Turkey, 14 - 16 October 2019, pp.158-159
- **Rodyum-Nikel Nanokümlerinin Sentezi, Tanımlanması ve Hidrazin Boranın Hidrolizinde Katalizör Olarak Kullanımı**
Rakap M., TUNÇ N.
7. Ulusal Anorganik Kimya Kongresi, Çorum, Turkey, 19 - 22 June 2019, pp.49
- **Amonyak Boranın Hidrolizinde Etkin Katalizörler Olarak Nikel-Rutenyum Nanokümleri**
Rakap M., ABAY B.
7. Ulusal Anorganik Kimya Kongresi, Çorum, Turkey, 19 - 22 June 2019, pp.51
- **Hydrolysis of Hydrazine Borane by PVP-Stabilized CoNiRh Nanoparticles for Hydrogen Generation**
Rakap M., ABAY B.
5th International Renewable Energy and Environment Conference (IREEC-2016), Madrid, Spain, 11 - 13 July 2016, pp.54
- **Hydrolysis of Ammonia Borane Catalyzed by PVP-Stabilized Cobalt-Palladium Nanoparticles for Hydrogen Generation**
Rakap M., TUNC N.
2nd International Conference on Engineering and Natural Science (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1
- **PVP-Stabilized Cobalt-Palladium Nanoparticles-Catalyzed Hydrolysis of Hydrazine Borane for Hydrogen Release**
Rakap M., ABAY B.

2nd International Conference on Engineering and Natural Science (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1

● **CoRh Nanoparticles: Synthesis, Characterization, Their Use as Catalyst in the Hydrolysis of Hydrazine Borane**

ABAY B., TUNC N., Rakap M.

NCC6-The 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016, pp.104

● **Hydrogen Generation from Ammonia Borane Hydrolysis Catalyzed by CoPd Nanoparticles**

TUNC N., ABAY B., Rakap M.

NCC6-The 6th Catalysis Conference, Bursa, Turkey, 27 - 30 April 2016, pp.116

● **Hydrogen Generation from Ammonia Borane by PVP-Protected Ruthenium-Rhodium Nanoparticles**

Rakap M.

International Conference on Engineering and Natural Science (ICENS 2015), Skopje, Macedonia, 15 - 19 May 2015, pp.1

● **Karboksimetil Selüloz ile Kararlılaştırılmış Nikel-Rodyum Nanokümelerinin Sentezi, Tanımlanması ve Amonyak Boranın Hidrolizinde Katalizör Olarak Kullanılması**

ABAY B., Rakap M.

V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015, pp.1

● **Amonyak Boranın Hidrolizinde Bilinen En Etkin Katalizör: PVP ile Kararlılaştırılmış Palladyum-Rodyum Nanokümleri**

Rakap M.

V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015, pp.1

● **PVP ile Kararlılaştırılmış Rodyum Nanokümelerinin Sentezi, Tanımlanması ve Hidrazin Boranın Hidrolizinde Katalizör Olarak Kullanılması**

TUNC N., Rakap M.

V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015, pp.1

● **Electroless Deposition of Low-Cost Reusable Transition Metal Active Catalyst on Oxide Supports for Hydrogen Generation from Hydrides**

Anderson S., Deravil L., Rakap M., Kalu E. E. , Onyeozili E.

2014 ECS and SMEQ Joint International Meeting (ECS 226th Meeting), Cancun, Mexico, 5 - 09 October 2014, pp.1

● **Hydroxyapatite-Supported Palladium(0) Nanoclusters as Active and Reusable Catalyst for Hydrogen Generation from the Hydrolysis of Ammonia-Borane**

Rakap M., ÖZKAR S.

Energy Challenges for Advanced Materials and Processes: Harvesting, Storage, and Efficient Utilization (EnCAMP-2011), Nevşehir, Turkey, 25 - 29 May 2011, pp.1

● **Hidroksiapatit Üzerine Tutturulmuş Palladyum(0) Nanokümelerinin Hazırlanması, Tanımlanması ve Amonyak Boranın Hidrolizindeki Katalitik Etkinliğinin İncelenmesi**

Rakap M., OZKAR S.

III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 19 - 22 May 2011, pp.1

● **İntrazeolit Paladyum(0) Nanokümelerinin Suzuki Tepkimelerindeki Katalitik Etkinliği**

DURAP F., Rakap M., AYDEMİR M., BAYSAL A., OZKAR S.

24. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010, pp.1

● **İntrazeolit Kobalt(0) Nanokümleri: Hazırlanması, Tanımlanması ve Sodyum Borhidrürün Hidrolizindeki Katalitik Etkinliğinin İncelenmesi**

Rakap M., OZKAR S.

II. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009, pp.1

Supported Projects

Zahmakıran M., Kanberoğlu G. S. , YURDERİ M., BULUT A., Çelebi M., Rakap M., BAĞUÇ İ. B. , Project Supported by Higher Education Institutions, Amin-Boranların Katalitik Dehidroketlenme Tepkimeleri; Yakıt Hücresi Uygulamaları ve Yüksek

Memberships / Tasks in Scientific Organizations

Türkiye Kimya Derneği, Member, 2015 - Continues

American Chemical Society, Member, 2015 - 2015

Materials Research Society, Member, 2015 - 2015

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Van Yüzüncü Yil University, Turkey, September 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Van Yüzüncü Yil University, Turkey, September 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Van Yüzüncü Yil University, Turkey, September 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Van Yüzüncü Yil University, Turkey, September 2020

International Journal Of Hydrogen Energy, SCI Journal, April 2020

International Journal of Hydrogen Energy, SCI Journal, April 2020

International Journal of Hydrogen Energy, SCI Journal, March 2020

Project Supported by Higher Education Institutions, November 2019

Project Supported by Higher Education Institutions, October 2019

Applied Catalysis B:Environmental, SCI Journal, July 2019

Journal of Physics and Chemistry of Solids, SCI Journal, July 2019

International Journal of Hydrogen Energy, SCI Journal, June 2019

Scientific Reports, SCI Journal, June 2019

ACS Applied Energy Materials , SCI Journal, June 2019

Journal of the Taiwan Institute of Chemical Engineers, SCI Journal, March 2019

International Journal of Hydrogen Energy, SCI Journal, December 2018

International Journal of Hydrogen Energy, SCI Journal, December 2018

Project Supported by Higher Education Institutions, BAP Research Project, Van Yüzüncü Yil University, Turkey, December 2018

International Journal of Hydrogen Energy, SCI Journal, November 2018

International Journal of Hydrogen Energy, SCI Journal, November 2018

Brazilian Journal of Chemical Engineering, SCI Journal, November 2018

Project Supported by Higher Education Institutions, October 2018

International Journal of Hydrogen Energy, SCI Journal, September 2018

Project Supported by Higher Education Institutions, September 2018

International Journal of Hydrogen Energy, SCI Journal, August 2018

Brazilian Journal of Chemical Engineering, SCI Journal, July 2018

Project Supported by Higher Education Institutions, June 2018

International Journal of Hydrogen Energy, SCI Journal, May 2018

Current Organic Chemistry, SCI Journal, May 2018

International Journal of Hydrogen Energy, SCI Journal, April 2018

Applied Catalysis B:Environmental, SCI Journal, April 2018

International Journal of Hydrogen Energy, SCI Journal, February 2018

Journal of Power Sources, SCI Journal, January 2018

Turkish Journal of Chemistry, SCI Journal, January 2018

International Journal of Hydrogen Energy, SCI Journal, January 2018
Journal of Alloys and Compounds, SCI Journal, January 2018
Journal of Alloys and Compounds, SCI Journal, December 2017
CrystEngComm, SCI Journal, November 2017
International Journal of Hydrogen Energy, SCI Journal, October 2017
International Journal of Hydrogen Energy, SCI Journal, September 2017
Sustainable Energy & Fuels, Other journals, August 2017
International Journal of Hydrogen Energy, SCI Journal, July 2017
Journal of Alloys and Compounds, SCI Journal, July 2017
Journal of Catalysis, SCI Journal, June 2017
Journal of Power Sources, SCI Journal, June 2017
International Journal of Hydrogen Energy, SCI Journal, April 2017
Journal of Materials Science, SCI Journal, March 2017
Applied Catalysis B:Environmental, SCI Journal, January 2017
International Journal of Hydrogen Energy, SCI Journal, August 2016
Project Supported by Higher Education Institutions, BAP Research Project, Istanbul University, Turkey, August 2016
International Journal of Hydrogen Energy, SCI Journal, July 2016
International Journal of Hydrogen Energy, SCI Journal, June 2016
Angewandte Chemie Int. Ed., SCI Journal, April 2016
International Journal of Hydrogen Energy, SCI Journal, March 2016
Journal of Materials Chemistry A, SCI Journal, March 2016
International Journal of Hydrogen Energy, SCI Journal, March 2016
International Journal of Hydrogen Energy, SCI Journal, March 2016
Nano Energy, SCI Journal, February 2016
International Journal of Hydrogen Energy, SCI Journal, January 2016
Chemical Engineering Journal, SCI Journal, December 2015
Current Nanomaterials, Other Indexed Journal, December 2015
Journal of Power Sources, SCI Journal, December 2015
International Journal of Hydrogen Energy, SCI Journal, October 2015
International Journal of Hydrogen Energy, SCI Journal, September 2015
Journal of Power Sources, SCI Journal, July 2015
International Journal of Hydrogen Energy, SCI Journal, October 2014
International Journal of Hydrogen Energy, SCI Journal, September 2014
International Journal of Hydrogen Energy, SCI Journal, September 2014
International Journal of Hydrogen Energy, SCI Journal, August 2014
International Journal of Hydrogen Energy, SCI Journal, August 2014
Journal of Molecular Catalysis A: Chemical, SCI Journal, August 2013
Turkish Journal of Chemistry, SCI Journal, May 2013
International Journal of Hydrogen Energy, SCI Journal, March 2013
International Journal of Hydrogen Energy, SCI Journal, March 2013
International Journal of Hydrogen Energy, SCI Journal, February 2013
International Journal of Hydrogen Energy, SCI Journal, January 2013
Materials Letters, SCI Journal, August 2012
Materials Letters, SCI Journal, August 2011

Invited Congress and Symposium Activities

3rd International Academic Studies Conference, Attendee, Antalya, Turkey, 2019
VII. Ulusal Anorganik Kimya Kongresi, Attendee, Çorum, Turkey, 2019
5th International Renewable Energy and Environment Conference (IREEC-2016), Attendee, Madrid, Spain, 2016

2nd International Conference on Engineering and Natural Science (ICENS 2016), Attendee, Sarajevo, Bosnia And Herzegovina, 2016

International Conference on Engineering and Natural Science (ICENS 2015), Attendee, Skopje, Macedonia, 2015

V. Ulusal Anorganik Kimya Kongresi, Attendee, Mersin, Turkey, 2015

2014 ECS and SMEQ Joint International Meeting (ECS 226th Meeting), Attendee, Cancún, Mexico, 2014

III. Ulusal Anorganik Kimya Kongresi, Attendee, Çanakkale, Turkey, 2011

Energy Challenges for Advanced Materials and Processes: Harvesting, Storage, and Efficient Utilization (EnCAMP-2011), Attendee, Nevşehir, Turkey, 2011

24. Ulusal Kimya Kongresi, Attendee, Zonguldak, Turkey, 2010

II. Ulusal Anorganik Kimya Kongresi, Attendee, Elazığ, Turkey, 2009

Citations

Total Citations (WOS):966

h-index (WOS):16

Scholarships

2219-Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TUBITAK, 2021 - 2022

Yurt İçi Doktora Bursu, TUBITAK, 2006 - 2010

Yurt İçi Yüksek Lisans Bursu, TUBITAK, 2000 - 2002