

Assoc. Prof. EBRU ERÜNAL

Personal Information

Office Phone: [+90 322 613 7311](tel:+903226137311) Extension: 39

Fax Phone: [+90 322 613 5180](tel:+903226135180)

Email: eerunal@cu.edu.tr

Web: <https://avesis.cu.edu.tr/eerunal>

Address: Çukurova Üniversitesi Ceyhan Mühendislik Fakültesi Kimya Mühendisliği Bölümü Gaziosman Paşa Mah. Uğur Mumcu Bulvarı No:90 01950 Ceyhan/ADANA

International Researcher IDs

ORCID: 0000-0002-9926-2654

Publons / Web Of Science ResearcherID: C-1243-2010

Yoksis Researcher ID: 247697

Education Information

Doctorate, Albert-Ludwigs-Universitaet Freiburg im Breisgau, Kimya, Eczacılık Ve Yer Bilimleri Fakültesi, Fizikokimya, Germany 2007 - 2011

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Kimya Mühendisliği, Turkey 2003 - 2006

Undergraduate, Gazi University, Mühendislik-Mimarlık Fakültesi, Kimya Mühendisliği, Turkey 1999 - 2003

Foreign Languages

English, C1 Advanced

German, B1 Intermediate

Dissertations

Doctorate, Structural Characterization of CuO-doped Alkali Niobate Piezoelectric Ceramics by Electron Paramagnetic Resonance Spectroscopy, Albert-Ludwigs-Universitaet Freiburg im Breisgau, Kimya, Eczacılık Ve Yer Bilimleri Fakültesi, Fizikokimya Ens., 2011

Postgraduate, Structure and Activity Predictions on Supported Mono- and Bimetallic Catalysts, Middle East Technical University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2006

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Polymer Technology, Petrochemical Technologies, Process and Reactor Design, Catalysis and Catalytic Processes, Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Cukurova University, Ceyhan Mühendislik Fakültesi, Kimya Mühendisliği, 2018 - Continues
Other, Johannes Kepler Universitaet Linz, Engineering And Natural Sciences, Chemistry And Polymer Engineering
Technologies, 2018 - 2018

Assistant Professor, Cukurova University, Ceyhan Mühendislik Fakültesi, Kimya Mühendisliği, 2016 - 2018

Other, Anadolu University, Faculty Of Engineering, Çevre Mühendisliği, 2012 - 2013

Research Assistant, Albert-Ludwigs-Universitaet Freiburg im Breisgau, Die Fakültaet Für Chemie, Pharmazie Und
Geowissenschaften / Institut Für Physikalische Chemie, Fizikokimya Ens., 2008 - 2011

Research Assistant, Technische Universitaet Darmstadt, Eduard Zintl Instute, Fizikokimya, 2007 - 2008

Courses

Mühendisler için Matematik II, Undergraduate, 2017 - 2018

PROCESS CONTROL, Undergraduate, 2017 - 2018

Matematik II, Undergraduate, 2017 - 2018

Kimya Lab 2, Undergraduate, 2017 - 2018

Akışkanlar Mekaniği, Undergraduate, 2017 - 2018

Kimya Mühendisliğine Giriş, Undergraduate, 2017 - 2018

Kimya Mühendisliğine Giriş, Undergraduate, 2017 - 2018, 2016 - 2017

Matematik I, Undergraduate, 2017 - 2018

Kütle ve Enerji Denklikleri, Undergraduate, 2017 - 2018

Enerji Teknolojileri, Undergraduate, 2017 - 2018

Mühendisler için Matematik I, Undergraduate, 2017 - 2018

Temel Bilgi Teknolojileri, Undergraduate, 2016 - 2017

Temel Bilgi Teknolojileri, Undergraduate, 2016 - 2017

Advising Theses

ERÜNAL E., Innovative Catalyst Synthesis and Performance Tests on Direct Alcohol Fuel Cells, Postgraduate,
E.Barış(Student), Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of Effective Bimetallic Electrocatalysts for Glucose Electrooxidation**
Ulaş B., Yılmaz Ürün Y., DEMİR KIVRAK H., ERÜNAL E.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.169, no.10, 2022 (SCI-Expanded)
- II. **Inhibition of secondary phase formation with minor copper doping on sol-gel derived PbTiO₃ powders**
Erünal E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.101, pp.484-492, 2022 (SCI-Expanded)
- III. **Detailed structure analyses on Cobalt doped PbTiO₃ powders**
Erünal E.
TURKISH JOURNAL OF CHEMISTRY, vol.46, pp.1176-1184, 2022 (SCI-Expanded)
- IV. **Estimation of the number of active sites through kinetic analysis on MWCNT-supported nanocatalysts**
ERÜNAL E.
INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, vol.53, no.8, pp.954-963, 2021 (SCI-Expanded)
- V. **Thermal effects on hydrogen storage capacity of Pd/MWCNT nanoparticles deposited at moderate pressure and temperature supercritical carbon dioxide conditions**

ERÜNAL E., Ulusal F.

JOURNAL OF SUPERCRITICAL FLUIDS, vol.157, 2020 (SCI-Expanded)

- VI. **Green preparation of Pd nanoparticles on SBA-15 via supercritical fluid deposition and application on Suzuki-Miyaura cross-coupling reaction**
ULUSAL F., ERÜNAL E., Guzel B.
JOURNAL OF NANOPARTICLE RESEARCH, vol.20, no.8, 2018 (SCI-Expanded)
- VII. **Enhancement of hydrogen storage capacity of multi-walled carbon nanotubes with palladium doping prepared through supercritical CO₂ deposition method**
ERÜNAL E., Ulusal F., ASLAN M., GÜZEL B., ÜNER D.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.23, pp.10755-10764, 2018 (SCI-Expanded)
- VIII. **Supercritical carbondioxide deposition of gamma-Alumina supported Pd nanocatalysts with new precursors and using on Suzuki-Miyaura coupling reactions**
Ulusal F., DARENDELI B., ERÜNAL E., EGITMEN A., GÜZEL B.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.127, pp.111-120, 2017 (SCI-Expanded)
- IX. **Interactions of defect complexes and domain walls in CuO-doped ferroelectric (K,Na)NbO₃**
EICHEL R., Eruenal E., Jakes P., KOERBEL S., ELSAESSER C., Kungl H., Acker J., HOFFMANN M. J.
APPLIED PHYSICS LETTERS, vol.102, no.24, 2013 (SCI-Expanded)
- X. **CuO-doped NaNbO₃ antiferroelectrics: Impact of aliovalent doping and nonstoichiometry on the defect structure and formation of secondary phases**
Erueal E., Jakes P., KOERBEL S., Acker J., Kungl H., ELSAESSER C., HOFFMANN M. J., EICHEL R.
PHYSICAL REVIEW B, vol.84, no.18, 2011 (SCI-Expanded)
- XI. **DEFECT STRUCTURE OF COPPER DOPED POTASSIUM NIOBATE CERAMICS**
Erueal E., EICHEL R., KOERBEL S., ELSAESSER C., Acker J., Kungl H., HOFFMANN M. J.
FUNCTIONAL MATERIALS LETTERS, vol.3, no.1, pp.19-24, 2010 (SCI-Expanded)
- XII. **Defect structure and formation of defect complexes in Cu²⁺-modified metal oxides derived from a spin-Hamiltonian parameter analysis**
Eichel R., DRAHUS M. D., Jakes P., Erunal E., ERDEM E., Parashar S., Kungl H., HOFFMANN M. J.
Molecular Physics, vol.107, no.19, pp.1981-1986, 2009 (SCI-Expanded)
- XIII. **Local variations in defect polarization and covalent bonding in ferroelectric Cu²⁺-doped PZT and KNN functional ceramics at the morphotropic phase boundary**
EICHEL R., Erueal E., DRAHUS M. D., Smyth D. M., VAN TOL J., Acker J., Kungl H., HOFFMANN M. J.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.11, no.39, pp.8698-8705, 2009 (SCI-Expanded)
- XIV. **On the Structure Sensitivity of CO Oxidation on Alumina Supported Pd-Pt Bimetallic Catalysts**
Kaya S., Erunal E., Shaltaf R., Ellialtioglu S., ÜNER D.
TURKISH JOURNAL OF CHEMISTRY, vol.33, no.1, pp.11-21, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Bead Size Distribution Dependency on Reactor Geometry and Agitation Conditions of Polystyrene Production with Suspension Polymerization**
Erünal E.
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, vol.33, no.2, pp.125-138, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Toward Halogen-Free Flame Retardants for Polystyrene Thermal Insulation Boards**
Erünal E.
in: Environmentally- Benign Energy Solutions, Dincer Ibrahi, Colpan Can Ozgur, Ezan Mehmet Akif, Editor, Springer,

Zug, pp.665-694, 2020

II. Influence of the A/b stoichiometry on defect structure, sintering, and microstructure in undoped and Cu-doped KNN

Hoffmann M. J., Kungl H., Erünal E., Eichel R.

in: Lead-Free Piezoelectrics, Priya S., Nahm S., Editor, Springer-Verlag, New-York, pp.209-251, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Toward Halogen-Free Flame Retardants for Polystyrene Thermal Insulation Boards**
ERÜNAL E.
7th Global Conference on Global Warming (GCGW), İzmir, Turkey, 24 - 28 June 2018, pp.665-694
- II. **Sol-Gel Synthesis and Electron Paramagnetic Resonance (EPR) Spectroscopy of Cu²⁺ and Co²⁺ Doped PbTiO₃ Perovskites**
Erünal E.
INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIAL SCIENCES, Adana, Turkey, 14 - 19 October 2019, pp.91-95
- III. **Synthesis and Structural Interpretations of PbTiO₃ Nanoceramics**
Erünal E.
15th Nanoscience and Nanotechnology Conference, Antalya, Turkey, 3 - 06 November 2019, pp.131
- IV. **Utilization of Supercritical Carbon Dioxide for the Suzuki-Miyaura Coupling Reactions**
ERÜNAL E., Ulusal F., GÜZEL B.
15th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, Antalya, Turkey, 3 - 06 November 2019, pp.1
- V. **Developing new MgO luminophors with different dopants for dosimetry applications and determination of ESR properties**
Güçkan V., ALTUNAL V., ÖZDEMİR A., ERÜNAL E., YEĞİNGİL Z.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019
- VI. **Developing new MgO luminophors with different dopants for dosimetry applications and determination of ESR properties**
Güçkan V., ALTUNAL V., Özdemir A., ERÜNAL E., YEĞİNGİL Z.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Nevşehir, Turkey, 16 - 18 October 2019, pp.1-4
- VII. **Biyobazlı Monomerlerden Yenilenebilir Kopolimerlerin Geliştirilmesi**
EYİLER E., ERÜNAL E.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019
- VIII. **Comparison of Pd-Co/C Catalysts Prepared By Modified Polyol and Supercritical CO₂ Deposition Methods for Direct Borohydride Fuel Cells**
Gözlü C., Akay G. R., Akın A. N., Ulusal F., GÜZEL B., ERÜNAL E.
4th International Hydrogen Technologies Congress, Edirne, Turkey, 20 - 23 June 2019, pp.47
- IX. **SÜPERKRİTİK KARBON DİOKSİT DEPOZİSYONU İLE ELDE EDİLEN NANOPARTİKÜLLERDE ÖNCÜLÜN ETKİSİ**
Ulusal F., ERÜNAL E., GÜZEL B.
VII.ULUSAL ANORGANİK KİMYA KONGRESİ, Çorum, Turkey, 19 - 22 June 2019, pp.121-125
- X. **Defect Chemistry Investigations on Doped PbTiO₃ Perovskites Used in Solar Energy Conversion**
ERÜNAL E.
13th Central European Training School on Neutron Techniques, Budapest, Hungary, 5 - 10 May 2019
- XI. **Hydrothermal Synthesis of Lead Free Alkali Niobate Ceramics**
ERÜNAL E., AY B., YILDIZ E., ESEN R.
5th International Conference on Materials Science and Nanotechnology for Next Generation, Nevşehir, Turkey, 4 - 06 October 2018, pp.1

- XII. **Hydrothermal Synthesis of Lead Free Alkali Niobate Ceramics**
ERÜNAL E., AY B., YILDIZ E., ESEN R.
5th International Conference on Materials Science and Nanotechnology for Next Generation, Nevşehir, Turkey, 4 - 06 October 2018, pp.1
- XIII. **Hydrothermal Synthesis of Lead Free Alkali Niobate Ceramics**
ERÜNAL E., AY B., YILDIZ E., ESEN R.
5th International Conference on Materials Science and Nanotechnology for Next Generation, Nevşehir, Turkey, 4 - 06 October 2018, pp.1
- XIV. **Bimetallic Catalyst Preparation via Supercritical Carbon Dioxide for Electrooxidation of Methanol**
ERÜNAL E., Ulusal F., Tezcan F., GÜZEL B., KARDAŞ G.
7th Global Conference on Global Warming, İzmir, Turkey, 24 - 28 June 2018, pp.1-4
- XV. **Bimetallic Catalyst Preparation via Supercritical Carbon Dioxide for Electrooxidation of Methanol**
ERÜNAL E., Ulusal F., Tezcan F., GÜZEL B., KARDAŞ G.
7th Global Conference on Global Warming, İzmir, Turkey, 24 - 28 June 2018, pp.1-4
- XVI. **Innovative Catalyst Synthesis and Performance Tests on Direct Alcohol Fuel Cells**
Çetin E. B., ÇOLPAN Ö., ERÜNAL E.
7th Global Conference on Global Warming, İzmir, Turkey, 24 - 28 June 2018, pp.1-4
- XVII. **Developing Halogen-Free Polystyrene with Enhanced Fire Resistance**
ERÜNAL E., Paulik C.
7th Global Conference on Global Warming, İzmir, Turkey, 24 - 28 June 2018, pp.1
- XVIII. **Deposition Pressure and Calcination Effect on Hydrogen Storage Capacity of Palladium Doped Multi-Walled Carbon Nanotubes Prepared via Supercritical Fluid Deposition Method**
ERÜNAL E., Ulusal F., Odabaşı S., Aslan M. Y., GÜZEL B., Üner D.
14TH INTERNATIONAL CONFERENCE ON ENERGY STORAGE, Adana, Turkey, 25 - 28 May 2018, pp.1-4
- XIX. **Deposition Pressure and Calcination Effect on Hydrogen Storage Capacity of Palladium Doped Multi-Walled Carbon Nanotubes Prepared via Supercritical Fluid Deposition Method**
ERÜNAL E., Ulusal F., Odabaşı S., Aslan M. Y., GÜZEL B., Üner D.
14TH INTERNATIONAL CONFERENCE ON ENERGY STORAGE, Adana, Turkey, 25 - 28 May 2018, pp.1-4
- XX. **Comparison of Low and High Pd Loadings on CNTs via Supercritical Fluid Deposition as Hydrogen Storage Materials**
ERÜNAL E., ULUSAL F., ODABAŞI S., ASLAN M. Y., GÜZEL B., ÜNER D.
14th International Conference on Energy Storage, Adana, Turkey, 25 - 28 April 2018
- XXI. **Farklı Karbon Desteklerinin Süperkritik Karbondioksit Depozisyonu Metoduyla Elde Edilen Malzemelerin Özelliklerine Etkileri**
ERÜNAL E., Ulusal F., TEZCAN B., GÜZEL B.
Second National Carbon Conference, İstanbul, Turkey, 16 - 17 March 2018, pp.1-2
- XXII. **Farklı Karbon Desteklerinin Süperkritik Karbondioksit Depozisyonu Metoduyla Elde Edilen Malzemelerin Özelliklerine Etkileri**
ERÜNAL E., Ulusal F., TEZCAN B., GÜZEL B.
Second National Carbon Conference, İstanbul, Turkey, 16 - 17 March 2018, pp.1-2
- XXIII. **Hydrogen Storage Capacity Investigations of Pd Loading Ratio on MW-CNTs Prepared via ScCO₂ Deposition Method**
ERÜNAL E., Ulusal F., Odabaşı S., Aslan M. Y., GÜZEL B., Üner D.
Third International Hydrogen Technology Congress, Antalya, Turkey, 15 - 18 March 2018, pp.1-4
- XXIV. **Hydrogen Storage Capacity Investigations of Pd Loading Ratio on MW-CNTs Prepared via ScCO₂ Deposition Method**
ERÜNAL E., Ulusal F., Odabaşı S., Aslan M. Y., GÜZEL B., Üner D.
Third International Hydrogen Technology Congress, Antalya, Turkey, 15 - 18 March 2018, pp.1-4
- XXV. **Hydrogen storage capacity investigations of Pd loading ratio on ME-CNTs via Supercritical Fluid deposition method**
ERÜNAL E., ulusal f., ODABAŞI S., GÜZEL B., ÜNER D.

International Hydrogen energy congress, 15 - 18 March 2018, vol.1

- XXVI. **Farklı Başlatıcıların Çeşitli Karıştırma Koşullarında Süspansiyon Polimerizasyonu ile Elde Edilen Polistirenin Tanecik Yapısına Etkilerinin İncelenmesi**
FATMA U., DEMİR Y., BÜYÜKBAYRAM S., GÜZEL B., ERÜNAL E.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017
- XXVII. **ScCO₂ Depozisyonunda Öncül Olarak Kullanılabilir Yeni Komplekslerin Sentezi ve Molekül Özelliklerinin Nanopartikülün Morfolojik ve Kristal Özelliklerine Etkisi**
FATMA U., DEMİR Y., BÜYÜKBAYRAM S., GÜZEL B., ERÜNAL E.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017
- XXVIII. **3-Florlu Alkil-2,4-Pentandionatlar ve Paladyum(II) Kompleksleri Sentezi**
Ulusal F., ERÜNAL E., GÜZEL B.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.320
- XXIX. **3-Florlu Alkil-2,4-Pentandionatlar ve Paladyum(II) Kompleksleri Sentezi**
Ulusal F., ERÜNAL E., GÜZEL B.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.320
- XXX. **Süperkritik Karbondioksit Depozisyonu Yöntemiyle Hazırlanan Çok Duvarlı Karbon Nanotüp Destekli Pd Katalizörlerin Suzuki-Miyaura Tepkimesinde İlıman Sıcaklıkta Etkinliklerinin Belirlenmesi**
ERÜNAL E., Ulusal F., GÜZEL B.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.136
- XXXI. **Süperkritik Karbondioksit Depozisyonu Yöntemiyle Hazırlanan Çok Duvarlı Karbon Nanotüp Destekli Pd Katalizörlerin Suzuki-Miyaura Tepkimesinde İlıman Sıcaklıkta Etkinliklerinin Belirlenmesi**
ERÜNAL E., Ulusal F., GÜZEL B.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.136
- XXXII. **Süperkritik Karbondioksit Depozisyonu Yöntemiyle Hazırlanan Çok Duvarlı Karbon Nanotüp Destekli Pd Katalizörlerin Suzuki-Miyaura Tepkimesinde İlıman Sıcaklıkta Etkinliklerinin Belirlenmesi**
Ulusal F., Demir Y., Büyükbayram M. S., Büyükbayram M. S., GÜZEL B., ERÜNAL E.
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.188
- XXXIII. **Enhancement of hydrogen storage capacity of multi-walled carbon nanotubes with palladium doping prepared through supercritical CO₂ deposition method**
ERÜNAL E., ulusal f., ASLAN M. Y., GÜZEL B., ÜNER D.
second international hydrogen energies conference, 15 - 18 March 2017
- XXXIV. **Hydrogen Storage Capacity of Palladium Doped Multi-Walled Carbon Nanotubes Prepared via Supercritical CO₂ Deposition Method**
ERÜNAL E., Ulusal F., Kaya D., Aslan M. Y., GÜZEL B., Üner D.
Second International Hydrogen Technology Congress, Adana, Turkey, 15 - 18 March 2017, pp.1-6
- XXXV. **Hydrogen Storage Capacity of Palladium Doped Multi Wall Carbon Nanotubes Prepared via Supercritical CO₂ Deposition Method**
ERÜNAL E., Ulusal F., Kaya D., ASLAN M. Y., GÜZEL B., ÜNER D.
2nd International Hydrogen Technologies Congress, Adana, Turkey, 15 - 18 March 2017
- XXXVI. **Hydrogen Storage Capacity of Palladium Doped Multi-Walled Carbon Nanotubes Prepared via Supercritical CO₂ Deposition Method**
ERÜNAL E., Ulusal F., Kaya D., Aslan M. Y., GÜZEL B., Üner D.
Second International Hydrogen Technology Congress, Adana, Turkey, 15 - 18 March 2017, pp.1-6
- XXXVII. **BEAD SIZE DISTRIBUTION CONTROL OF THE EXPANDABLE POLYSTYRENE PRODUCTION WITH SUSPENSION POLYMERIZATION**
ERÜNAL E.
XXII International conference on Chemical Reactors CHEMREACTOR-22, Londrina, Brazil, 18 - 24 September 2016
- XXXVIII. **Stoichiometry Dependence of Defect Complexes on the Cu²⁺ Doped Alkali Niobate Piezoceramics Monitored by Electron Paramagnetic Resonance**
ERÜNAL E.
Materials Research Society Spring Meeting, San-Francisco, Costa Rica, 25 - 29 April 2011

XXXIX. Structural characterization of Cu²⁺ functional centers in 'lead-free' KNN piezoelectrics

Erünal E., Eichel R., Acker J., Kungl H., HOFFMANN M. J.

2009 MRS Fall Meeting, Boston, MA, United States Of America, 30 November - 04 December 2009, vol.1199, pp.159-163

Supported Projects

ERÜNAL E., TUBITAK Project, Süperkritik Depozisyon Yöntemi Ile Katı Destekli Paladyum Hidrür Nano Tanecik Hazırlanması; Katalitik, Manyetik, Elektronik ve Hidrojen Depolama Özelliklerinin İncelenmesi, 2018 - Continues

ERÜNAL E., EYİLER E., Project Supported by Higher Education Institutions, Biyobazlı Polipropilen malonatkopropilen fumarat Kopoliesterlerinin Sentezi ve Karakterizasyonu, 2020 - 2022

ERÜNAL E., Project Supported by Higher Education Institutions, Kobalt Katkılanmış PbTiO₃ Perovskit Sistemlerin EPR Spektroskopisi Yöntemiyle Kusur Kimyalarının İncelenmesi, 2018 - 2020

EYİLER E., ERÜNAL E., Project Supported by Higher Education Institutions, Biyobazlı Polimer Sentezi, 2017 - 2019

ERÜNAL E., Project Supported by Other Official Institutions, INNOVATIVE CATALYST SYNTHESIS AND PERFORMANCE TESTS ON DIRECT ALCOHOL FUEL CELLS, 2017 - 2019

ERÜNAL E., EU Supported Other Project, Using of Melamine Derived Alternative Flame Retardants on Polystyrene, 2018 - 2018

TANSUĞ G., EYİLER E., ERÜNAL E., Project Supported by Higher Education Institutions, Kimya Mühendisliği Laboratuvarları Altyapı Geliştirme Projesi, 2017 - 2018

ERÜNAL E., Project Supported by Higher Education Institutions, BEAD SIZE DISTRIBUTION CONTROL OF THE EXPANDABLE POLYSTYRENE PRODUCTION WITH SUSPENSION POLYMERIZATION, 2016 - 2016

ERÜNAL E., Project Supported by Other Private Institutions, Genleştirilebilir Polistiren Hammaddesi Üretimi Tesisinin Kurulması, 2013 - 2015

ERÜNAL E., Other International Funding Programs, Einfluss von Additiven auf die Herstellung und Defektstruktur von (K,Na)NbO₃, 2007 - 2011

TUBITAK Project, Yanma olaylarından kaynaklanan CO₂'nin suni fotosentez yöntemi ile yüksek katma değerli kimyasallara dönüştürülmesi, 2006 - 2008

Memberships / Tasks in Scientific Organizations

National Hydrogen Association, Member, 2017 - Continues

European Association for Exetrnal thermal Insulation Composite Systems, Member, 2015 - 2016

Kimya Mühendisleri Odası, Member, 2006 - 2016

Materials Research Society, Member, 2009 - 2010

Kataliz Derneği, Member, 2006 - 2007

Scientific Refereeing

Inorganic Chemistry Frontiers, SCI Journal, May 2018

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi , National Scientific Refreed Journal, March 2018

International Journal of Hydrogen, SCI Journal, May 2017

International Hydrogen Energy, Journal Indexed in SSCI, April 2017

International Journal of Hydrogen, SCI Journal, March 2017

Scientific Research / Working Group Memberships

Chemical Tehcnology of Organic Materials, Universitaet Linz, Austria,

http://www.jku.at/cto/content/e34500/index_html?team_view=section, 2017 - Continues
C. Ozgur Colpan Group, DOKUZ EYLÜL ÜNİVERSİTESİ, Turkey, <http://colpan.org/>, 2017 - Continues
Bilgehan Güzel Group, ÇUKUROVA ÜNİVERSİTESİ, Turkey, <http://fen.cu.edu.tr/tr/detay.aspx?pageid=1436>, 2016 - Continues
Deniz Uner Group, ORTA DOĞU TEKNİK ÜNİVERSİTESİ, Turkey, 2003 - Continues
R.-A.Eichel Group, Albert-Ludwigs University of Freiburg, Germany, <http://www.fz-juelich.de/SharedDocs/Personen/IEK/IEK-9/EN/R%C3%BCdiger-A.%20Eichel.html?nn=998394>, 2007 - 2011

Metrics

Publication: 56
Citation (WoS): 247
Citation (Scopus): 271
H-Index (WoS): 8
H-Index (Scopus): 9

Congress and Symposium Activities

5 th International Conference on Materials Science and Nanotechnology for Next Generation, Attendee, Nevşehir, Turkey, 2018
7th Global Conference on Global Warming, Session Moderator, İzmir, Turkey, 2018
7th Global Conference on Global Warming, Attendee, İzmir, Turkey, 2018
14TH INTERNATIONAL CONFERENCE ON ENERGY STORAGE, Attendee, Adana, Turkey, 2018
Workshop on Strategic Partnership for Development of Fuel Cells, Attendee, Antalya, Turkey, 2018
3rd International Congress on Hydrogen Technologies, Attendee, Antalya, Turkey, 2018
29. Ulusal Kimya Kongresi (29th National Chemistry Congress), Attendee, Ankara, Turkey, 2017
Erasmus Staff Mobility / Training on Ultra High Temperature Resistant Ceramics at Institute of Science and Technology for Ceramics (National Research Council (CNR) of Italy), Attendee, Bologna, Italy, 2017
2nd International Hydrogen Technologies Congress, Attendee, Adana, Turkey, 2017
Turkey-Ukraine Nuclear Education Cooperation Workshop, Attendee, Ankara, Turkey, 2017
XXII International Conference on Chemical Reactors 22, Session Moderator, London, United Kingdom, 2016
XXII International Conference on Chemical Reactors / BEAD SIZE DISTRIBUTION DEPENDENCY ON REACTOR GEOMETRY AND AGITATION CONDITIONS OF POLYSTYRENE PRODUCTION WITH SUSPENSION POLYMERIZATION, Attendee, London, United Kingdom, 2016
3rd European ETICS Forum, Attendee, Milano, Italy, 2015
EAE ETICS General Meeting, Attendee, Frankfurt, Germany, 2015
International Conference On Managing IP in Universities, Attendee, İstanbul, Turkey, 2012
High Pressure Studies Using Synchrotron Radiation: Present and Future (SOLEIL Users Meeting), Attendee, Paris, France, 2012
Materials Research Society Spring Meeting, Attendee, California, United States Of America, 2011
Materials Research Society Fall Meeting, Attendee, Massachusetts, United States Of America, 2009
SFB 595 Winter School, Attendee, Saint-Étienne, France, 2008
Student Meeting on Processing And Application Of Ceramics, Attendee, Novi Sad, Serbia And Montenegro, 2007
Recent Developments in Magnetic Resonance Spectroscopy, Attendee, Ankara, Turkey, 2007
First National Catalysis Conference (NCC-1), Attendee, Güzelyurt, Cyprus (Kktc), 2007
First Anatolian School on Catalysis (ASC-I), Attendee, Ankara, Turkey, 2006
Catalyst Design- from Molecular to Industrial Level (4th EFCATS), Attendee, Sankt Peterburg, Russia, 2006
European Conference on Surface Science (ECOSS 24), Attendee, Paris, France, 2006
Nanoscience and Technology (NANO-TR II), Attendee, Ankara, Turkey, 2006

Seventh European Congress On Catalysis (EUROPA CAT-VII), Attendee, Sofija, Bulgaria, 2005

Scholarships

Johannes Kepler University of Linz Research Fellowship Program, Official Institutions of Foreign Countries, 2018 - 2018
Staff Training Mobility - Manufacturing of Ultra High Temperature Resistant Ceramics, European Commission, 2017 - 2017

Einfluss von Additiven auf die Herstellung und Defektstruktur von (K,Na)NbO₃, Other International Organizations, 2007 - 2011

Yanma olaylarından kaynaklanan CO₂'nin suni fotosentez yöntemi ile yüksek katma değerli kimyasallara dönüştürülmesi, TUBITAK, 2006 - 2007

Non Academic Experience

Business Establishment Private, Aschem Petrokimya Sanayi A.Ş.
Ashem Petrokimya