

Prof. Aysel KANTÜRK FİGEN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: E-1897-2017

ScopusID: 53867954300

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Biography

Aysel Kantürk Figen was born in Tolbihin/Bulgaria on 28 July 1980. She earned a BS in Chemical Engineering field at Ankara University. She accomplished her MSc degree in 2006 and consequently, received her Ph.D degree in 2011 in the field of hydrogen energy storage technology .in Yildiz Technical University (YTU), İstanbul, which is among the well-known universities in the country. She started her academic studies as a research assistant in the Department of Chemical Engineering at Yıldız Technical University in 2005. In 2015, she started as an associate professor in YTU. Dr. Aysel KANTÜRK FİGEN's work has focused on the production of boron-containing hydrogen storage, hydrogen production and catalysts fabrication and their applications in sustainable energy systems. Her studies in the fields of renewable energy and catalyst technologies continue on the application of new methods using local resources. Dr. Kantürk Figen currently works in Yildiz Technical University as a full associated professor with the research topic of hydrogen production, synthesis of hydrogen storage medium, and application of catalytic system. She has been working as the Vice Coordinator of Yıldız Technical University Science and Technology Application and Research Center (Center Laboratory) between 2020-2021. She was also selected as a board member of the National Hydrogen Technologies Association in July 2021. She served as the Head of the Department of Chemical Engineering between 2021-2022. She was appointed as the Director of YTU Clean Energy Technologies Institute in August 2022.

In 2020, Turkey Academy of Sciences (TUBA) - Outstanding Young Scientist (GEBİP) Engineering was awarded. She has been a member of Young TUBA Academy. Her Scopus Author ID is 53867954300.

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemical Engineering, Turkey 2006 - 2011

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemical Engineering, Turkey 2004 - 2006

Undergraduate, Ankara University, Faculty Of Engineering, Department Of Chemistry Engineering, Turkey 1999 - 2004

Certificates, Courses and Trainings

Other, Ölçme Değerlendirme, Yıldız Teknik Üniversitesi, 2019

Other, Sınıf Yönetimi, Yıldız Teknik Üniversitesi, 2019

Other, Öğretim Teknolojileri, Yıldız Teknik Üniversitesi, 2019

Other, Öğretim Yöntemi ve Teknikleri, Yıldız Teknik Üniversitesi, 2019

Other, Kişilerarası İlişkiler ve Etkili İletişim, Yıldız Teknik Üniversitesi, 2019

Other, MÜDEK Eğitim Çalıştayı, Mühendislik Programları Değerlendirme ve Akreditasyon Derneği , 2018

Dissertations

Doctorate, Farklı kompozisyonlardaki borat bileşiklerinden, hidrojen depolama ortamı olarak metal borhidrür üretimi ve üretim mekanizmasının incelenmesi, Yıldız Technical University, Graduate School of Natural and Applied Sciences, 2011
Postgraduate, BORAKSTAN SODYUM BORHİDRÜR ÜRETİMİ VE ÜRETİMİ ETKİLEYEN PARAMETRELERİN İNCELENMESİ, 2006

Research Areas

Chemical Engineering and Technology, Catalysis and Catalytic Processes, Engineering and Technology

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2021 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2015 - 2021

Academic and Administrative Experience

Director of The Institution, Yildiz Technical University, -----, Temiz Enerji Teknolojileri Enstitüsü , 2022 - Continues

BAP Scientific Commissioner, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2021 - Continues

Manager of Research and Application Center, Yildiz Technical University, Enerji Uygulama ve Araştırma Merkezi , 2021 - 2022

Head of Department, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2021 - 2022

Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, 2018 - 2022

Assistant Manager of Research and Application Center, Yildiz Technical University, Bilim ve Teknoloji Uygulama ve Araştırma Merkezi, 2020 - 2021

Courses

Postgraduate

SÜRDÜRÜLEBİLİR VE TEMİZ ENERJİ SİSTEMLERİ, Postgraduate, 2018 - 2019

Termal analizin endüstriyel uygulamaları, Postgraduate, 2018 - 2019

Undergraduate

DeneySEL Tasarım ve Veri Analizi, Undergraduate, 2018 - 2019
GİRİŞ. VE PROJE YÖN., Undergraduate, 2018 - 2019
Kimya Mühendisleri için Malzeme Bilimi, Undergraduate, 2018 - 2019
İŞ SAĞLIĞI VE GÜVENLİĞİ-1 , Undergraduate, 2018 - 2019
Kimya End., Analiz Yön. , Undergraduate, 2018 - 2019
Biyokimyasal Mühendislik, Undergraduate, 2018 - 2019
Kimya Mühendisliği Hesaplamaları, Undergraduate, 2017 - 2018

Supervised Theses

Kantürk Figen A., PEM ELEKTROLİZÖRLER İÇİN IRO₂-TIO₂ NANOTÜP KOMPOZİTLERİN SENTEZİ VE PERFORMANS ANALİZLERİ, Postgraduate, Z.Erkan(Student), Continues
Kantürk Figen A., Synthesis of TiO₂/MoS₂ Photocatalysts for Hydrogen Production and Calculation of Greenness Index, Postgraduate, M.YURDAKUL(Student), Continues
Kantürk Figen A., Coşkuner Filiz B., Alternatif Yeşil Hidrojen Üretim Yöntemleri, Postgraduate, H.Abd(Student), Continues
Kantürk Figen A., Coşkuner Filiz B., YÜKSEK SEÇİCİLİKLİ METANOL ÜRETİMİ İÇİN PEROVSKİT NANO KATALİZÖRLERİN GELİŞTİRİLMESİ, Postgraduate, G.Özdemir(Student), Continues
Kantürk Figen A., Enerji Uygulamaları İçin Karbon Tabakalı Tio₂-Mos₂ Kompozitleri Sentezlenmesi Ve Katalitik Aktivite Testleri, Postgraduate, E.Gülsoy(Student), Continues
Kantürk Figen A., Noyan Tekeli F., Sıvı Organik Hidrojen Taşıyıcısı Formik Asitten Katalitik Hidrojen Üretiminin Makine Öğrenmesi Yöntemiyle Analizi, Postgraduate, Y.Özdemir(Student), Continues
Kantürk Figen A., Yenilenebilir Enerji Uygulamaları için Plastik Atıkların Termal ve Katalitik Süreçlerinin İncelenmesi, Doctorate, I.HUSSEIN(Student), Continues
Kantürk Figen A., Coşkuner Filiz B., PERFORMANCE ANALYSIS OF BORON-BASED HYDROGEN STORAGE MATERIALS UNDER DIFFERENT CLIMATIC CONDITIONS, Postgraduate, S.Yılmaz(Student), Continues
Kantürk Figen A., Karbon - Bor - Hidrojen Çevrimi için Katalitik Hidrojenasyon Reaksiyonlarının İncelenmesi, Postgraduate, B.Ekin(Student), Continues
Kantürk Figen A., Aydın M. İ., Titanyum Dioksit (Tio₂) Temelli Fotokatalizörlerin Sentezi ve Fotoelektrokimyasal Reaktörde Hidrojen Üretimi Aktivitesinin İncelenmesi, Postgraduate, B.Yıldırım(Student), Continues
Kantürk Figen A., Katı Hal Bataryalar için Nasıcon Yapıların Sentezi Ve Elektrokimyasal Özelliklerinin İncelenmesi, Postgraduate, C.Dağcan(Student), Continues
Kantürk Figen A., Coşkuner Filiz B., AMONYUM BORAN TEMELLİ ENERJİ DEPOLAMA MALZEMELERİNİN GELİŞTİRİLMESİ VE VERİMLİLİK ANALİZLERİ, Postgraduate, D.Su(Student), 2025
Kantürk Figen A., Hidrojen saflaştırma için aktif karbon temelli adsorban geliştirilmesi, Postgraduate, S.TIRAŞ(Student), 2024
Kantürk Figen A., Yargı Ö., Süper Kapasitörlerde Hidrojen Depolama Malzemelerinin Kullanılabilirliğinin İncelenmesi, Postgraduate, D.Kutluer(Student), 2024
Kantürk Figen A., Coşkuner Filiz B., Nano Döküm Prosedürü ile Katalitik Kobalt Oksit Kürelerinin Üretimi, Karakterizasyonu ve Amonyum Boran Hidroliz Reaksiyonundaki Aktivitesi, Postgraduate, B.NUR(Student), 2023
Kantürk Figen A., Polimerik Reçineler ile Polisiklik Aromatik Hidrokarbonların (PAH) Giderimi , Rejenerasyonu ve Çevresel Ölçümlerde Tekrar Kullanılabilirliğinin İncelenmesi, Postgraduate, A.GÜVERCİNCİ(Student), 2023
Kantürk Figen A., Midilli A., Çay Lifinin Kimyasal Aktivasyonu ile Karbon Yapılara Dönüşümün İncelenmesi , Postgraduate, G.AL(Student), 2023
Kantürk Figen A., Metal Oksit Katalizörlerin Sentezlenmesi, Hidrojen Üretim Reaksiyonlarındaki Elektrokatalitik ve Fotokatalitik Özelliklerinin İncelenmesi, Postgraduate, İ.Karaman(Student), 2023
Kantürk Figen A., Civelek Yörüklü H., Karbon Kuantum Nokta ve Tungsten Trioksit Katkılı Titanyum Dioksit Fotokatalizörlerin Sentezlenmesi ve Atık Sulardan Aromatik Aminlerin Gideriminde Kullanımlarının İncelenmesi, Postgraduate, S.ÖZDEMİR(Student), 2023
Kantürk Figen A., Titanyum Dioksit Nanopartiküllerinin Yeşil Sentez Yöntemiyle Sentezlenmesi ve Antifungal

- Özelliklerinin İncelenmesi, Postgraduate, C.Zeybek(Student), 2023
- Kantürk Figen A., Elalmış Y., Aktif Karbon Manyetik Kompozitlerin Üretimi Ve Fenol Gideriminde Kullanılmasının İncelenmesi, Postgraduate, T.ÇİLİNGİRYAN(Student), 2022
- Kantürk Figen A., Demirci U. B., Karbondioksitin Kimyasal Dönüşümünde Oluşan Borat ve Format Komplekslerin Yapısal Özelliklerinin Tanımlanması ve Değerlendirme Seçeneklerinin İncelenmesi, Postgraduate, Ö.Coşkuner(Student), 2022
- Kantürk Figen A., Coşkuner Filiz B., Formik asitten eş-anlı hidrojen üretiminin katalitik olarak incelenmesi, Postgraduate, S.SANCI(Student), 2022
- Kantürk Figen A., Açıkalın K., Atık Baskılı Devre Kartlarının Termal Bozunma Süreçlerinin İncelenmesi, Postgraduate, H.H. (Student), 2021
- Kantürk Figen A., Demirci U. B., Sodyum Borhidrürün Metanolitik Dehidrojenasyonundan Elde Edilen Katıların Karakterizasyonu, Geri Dönüşümü ve Hidrojen Çevrimi, Postgraduate, B.Nur(Student), 2021
- Kantürk Figen A., Ahşap koruma amaçlı bor içeren çubukların üretimi ve özelliklerinin belirlenmesi, Postgraduate, S.AYDIN(Student), 2020
- KANTÜRK FİGEN A., KOLEMANİT ESASLI BOR ÇUBUKLARININ AHŞAP YAPI ELEMANLARINDA KULLANIMININ İNCELENMESİ, Postgraduate, M.Çordan(Student), 2019
- Kantürk Figen A., Amonyum boran ve metilamin boranın hidroliz reaksiyonu için kobalt-rutenyum/polivinil alkol hibrit katalizörünün sentezlenmesi ve karakterizasyonu, Postgraduate, D.GENİŞ(Student), 2019
- KANTÜRK FİGEN A., Sodyum Borhidrürün (NaBH₄) Hidrolizi ve Alkolizi için Katalizör Sentezi ve Aktivitelerinin İncelenmesi, Postgraduate, E.Meşe(Student), 2017
- Kantürk Figen A., Ağaç Malzemede Borik Asit Emprenye Prosesinin İncelenmesi ve Uygulamaları , Postgraduate, G.AKAYDIN(Student), 2017
- KANTÜRK FİGEN A., Magnezyum Atıklarından Hidrojen Üretiminin İncelenmesi, Postgraduate, Ç.Öz(Student), 2017
- Kantürk Figen A., Amonyum boran pelletlerin hidrojen üretim özelliklerinin incelenmesi, Postgraduate, E.KESKİN(Student), 2017
- Kantürk Figen A., Pişkin S., Sodyum Borhidrür (NaBH₄) Temelli Hidrür Kompozitlerin Hazırlanması ve Hidrojen Depolama Özelliklerinin İncelenmesi, Postgraduate, K.Taşçı(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The New Identity of Alginate Composite with Bentonite as a Sustainable Catalytic Natural-Based Material: Methylene Blue Decolorization in Continuous Flow-Packed-Bed Reactor**
Coşkuner Filiz B., Akar Y., Kantürk Figen A.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.0, no.0, pp.1-17, 2025 (SCI-Expanded)
- II. **Boron-based hydrogen storage materials for highly selective hydrogenation to liquid organic hydrogen carriers synthesis focus on formic acid**
Ülgen B. E., Coşkuner Filiz B., Açıkalın K., Civelek Yörüklü H., Kantürk Figen A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.00, no.000, pp.1-11, 2025 (SCI-Expanded)
- III. **Evaluation of mesoporous CrB particles synthesized via sol-gel method as potential antibacterial interior paint nano-additive**
Coşkuner Filiz B., Elalmış Y., Altıkatoğlu Yapaöz M., Kantürk Figen A.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.0, no.0, 2025 (SCI-Expanded)
- IV. **Influence of ion mobility and electrode structure effects on supercapacitors with CaO, MgO, and SiO₂**
Yargı Ö., Bostancı E., Coşkuner Filiz B., Kantürk Figen A.
IONICS, vol.31, no.0, pp.929-943, 2025 (SCI-Expanded)
- V. **The compaction behavior of Magnesium-Expanded Natural Graphite powder mixtures: Tensile strengths of compacted pellets**
Güden M., Berkan Betin B., Can Heptepo C., Batu Güleç E., Emre Yağcı Y., KANTÜRK FİGEN A., COŞKUNER FİLİZ B.
Materials Letters, vol.377, 2024 (SCI-Expanded)
- VI. **The electrochemical performance of electrodeposited nickel foam electrodes coated by nano-confined lithium borohydride-metal oxides composites**

Kutluer D., Coşkuner Filiz B., Yargı Ö., Gelir A., Kantürk Figen A.
SOLID STATE IONICS, vol.415, no.116657, pp.1-9, 2024 (SCI-Expanded)

- VII. **Multi-criteria decision framework for catalyst selection: Production of formic acid as a circular liquid organic hydrogen carrier in the hydrogen economy**
Noyan Tekeli F., Coşkuner Filiz B., Civelek Yörüklü H., Kantürk Figen A.
Journal of Cleaner Production, vol.452, 2024 (SCI-Expanded)
- VIII. **Confined ammonia borane nanocarriers: Tubular and fibrous structures based solid-state hydrogen storage composites**
Aydın D. S., Coşkuner Filiz B., Kantürk Figen A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.0, no.0, pp.1-10, 2024 (SCI-Expanded)
- IX. **Boron-based hydrogen storage materials towards Power-to-X technology on the path to carbon neutrality**
Coşkuner Filiz B., Civelek Yörüklü H., Açıkalm K., Demirci U. B., Kantürk Figen A.
International Journal of Hydrogen Energy, vol.48, no.99, pp.39389-39407, 2023 (SCI-Expanded)
- X. **Regeneration of Co-based bead type catalyst in ammonia borane hydrolysis for hydrogen generation: Artificial neural networks and response surface methodology**
Coşkuner Filiz B., Kinsiz B. N., Kılıç Depren S., Kantürk Figen A.
Journal of Cleaner Production, vol.419, 2023 (SCI-Expanded)
- XI. **Recycling of printed circuit board e-wastes: a combined study of pyrolysis characteristics, kinetics and evolved gas analyses at various particle sizes**
Cebeci H. H., Açıkalm K., KANTÜRK FİGEN A.
Journal of Material Cycles and Waste Management, vol.25, no.4, pp.2205-2221, 2023 (SCI-Expanded)
- XII. **Upcycling of waste printed circuit boards into metallic pyrolytic carbon for supercapacitor electrode**
Cebeci H. H., Yılmaz İ., YARGI Ö., Açıkalm K., Gelir A., KANTÜRK FİGEN A.
Journal of Materials Science: Materials in Electronics, vol.34, no.4, 2023 (SCI-Expanded)
- XIII. **Photo-enhanced catalytic hydrogen production from ammonia borane dehydrogenation over cobalt doped n-type semiconductors**
Coşkuner Filiz B., Kantürk Figen A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.48, no.15, pp.22954-22966, 2023 (SCI-Expanded)
- XIV. **Catalytic semi-continuous operation modes for hydrogen generation from carbon derivatives of ammonia boranes**
Coşkuner Ö., Kantürk Figen A.
International Journal of Hydrogen Energy, vol.47, no.95, pp.40304-40316, 2022 (SCI-Expanded)
- XV. **Boron-doped Cobalt nanoparticles anchored to different activated carbon supports as recyclable catalysts for enhanced alkyl-substituted amine boranes dehydrogenation**
Coşkuner Filiz B., Kantürk Figen A.
International Journal of Hydrogen Energy, vol.47, no.95, pp.40286-40303, 2022 (SCI-Expanded)
- XVI. **Sodium borohydride hydrolysis-mediated hydrogenation of carbon dioxide, towards a two-step production of formic acid**
Coşkuner Ö., A. Castilla-Martinez C., Sonzogni O., Petit E., Demirci U. B., Kantürk Figen A.
International Journal of Hydrogen Energy, vol.47, no.62, pp.26490-26500, 2022 (SCI-Expanded)
- XVII. **Ammonia borane-based reactive mixture for trapping and converting carbon dioxide**
Castilla-Martinez C. A., Coşkuner Filiz B., Petit E., Kantürk Figen A., Demirci U. B.
FRONTIERS OF MATERIALS SCIENCE, vol.16, no.2, pp.1-6, 2022 (SCI-Expanded)
- XVIII. **Screening of biohydrogen production based on dark fermentation in the presence of nano-sized Fe₂O₃ doped metal oxide additives**
Yörüklü H., Filiz B. C., Kantürk Figen A., Özkaya B.
International Journal of Hydrogen Energy, vol.47, no.34, pp.15383-15396, 2022 (SCI-Expanded)
- XIX. **Fabrication of stable electrospun blended chitosan-poly(vinyl alcohol) nanofibers for designing naked-eye colorimetric glucose biosensor based on GOx/HRP**
Filiz B. C., Elalmis Y. B., Bektas I. S., Figen A.

International Journal of Biological Macromolecules, vol.192, pp.999-1012, 2021 (SCI-Expanded)

- XX. **Hydro-catalytic treatment of organoamine boranes for efficient thermal dehydrogenation for hydrogen production**
Coşkuner Ö., Kantürk Figen A.
International Journal of Hydrogen Energy, vol.46, no.72, pp.35641-35652, 2021 (SCI-Expanded)
- XXI. **Nano-casting procedure for catalytic cobalt oxide bead preparation from calcium-alginate capsules: Activity in ammonia borane hydrolysis reaction**
Kinsiz B. N., Coşkuner Filiz B., Kılıç Depren S., Kantürk Figen A.
Applied Materials Today, vol.22, 2021 (SCI-Expanded)
- XXII. **Semi-continuous regime for continuous hydrogen production from sodium borohydride methanolytic dehydrogenation**
Kantürk Figen A.
POLYHEDRON, vol.194, pp.1-7, 2021 (SCI-Expanded)
- XXIII. **Comparative evaluation of boron distribution from ulexite, colemanite and DOT rods in Scots pine wood**
Kartal S. N., Terzi E., Kantürk Figen A., Cordan M., Aydın S., Pişkin S.
JOURNAL OF FORESTRY RESEARCH, vol.31, no.1, pp.419-426, 2021 (SCI-Expanded)
- XXIV. **Closing the hydrogen cycle with the couple sodium borohydride-methanol, via the formation of sodium tetramethoxyborate and sodium metaborate**
Aydın K., Kulaklı B. N., COŞKUNER FİLİZ B., Alligier D., Demirci U. B., KANTÜRK FİGEN A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.44, no.14, pp.11405-11416, 2020 (SCI-Expanded)
- XXV. **Reusable hybrid foam catalyst for hydrolytic dehydrogenation of amine adducts of borane: Porous PVA-Immobilized Co–Ru nanoparticles**
Geniş D., Coşkuner Filiz B., Kılıç Depren S., Kantürk Figen A.
Microporous and Mesoporous Materials, vol.305, 2020 (SCI-Expanded)
- XXVI. **Movement of boron from ulexite and colemanite minerals in sapwood and heartwood of Cryptomeria japonica**
Kartal S. N., Terzi E., Kantürk Figen A., Yoshimura T.
JOURNAL OF FORESTRY RESEARCH, vol.31, no.6, pp.2597-2603, 2020 (SCI-Expanded)
- XXVII. **Ultra-layered sheet Cu–Co nanoparticles for optimized application in catalytic reduction of organic dye**
Kılıç Depren S., Coşkuner Filiz B., Kulaklı B. N., Kantürk Figen A.
Materials Characterization, vol.160, 2020 (SCI-Expanded)
- XXVIII. **Insight into the role of solvents in enhancing hydrogen production: Ru-Co nanoparticles catalyzed sodium borohydride dehydrogenation**
Coşkuner Filiz B., Kantürk Figen A.
International Journal of Hydrogen Energy, vol.44, pp.28471-28482, 2019 (SCI-Expanded)
- XXIX. **Improved catalytic performance of metal oxide catalysts fabricated with electrospinning in ammonia borane methanolysis for hydrogen production**
KANTÜRK FİGEN A.
International Journal of Hydrogen Energy, vol.44, no.53, pp.28451-28462, 2019 (SCI-Expanded)
- XXX. **Hydrogen production from sodium borohydride originated compounds: Fabrication of electrospun nano-crystalline Co₃O₄ catalyst and its activity**
Filiz B., Figen A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.20, pp.9883-9895, 2019 (SCI-Expanded)
- XXXI. **Applied ultrasound assisted research on synthesis and in-situ hydrolysis of ammonia borane for hydrogen energy**
Filiz B., Figen A., Pişkin S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, no.20, pp.10003-10013, 2019 (SCI-Expanded)
- XXXII. **Polymeric and metal oxide structured nanofibrous composites fabricated by electrospinning as highly efficient hydrogen evolution catalyst**

- Kantürk Figen A., Coşkuner Filiz B.
Journal of Colloid and Interface Science, vol.533, pp.82-94, 2019 (SCI-Expanded)
- XXXIII. **The Molecular-Kinetic Approach to Hydrolysis of Boron Hydrides for Hydrogen Production**
COŞKUNER FİLİZ B., KANTÜRK FİĞEN A.
KINETICS AND CATALYSIS, vol.60, no.1, pp.37-43, 2019 (SCI-Expanded)
- XXXIV. **The remarkable role of metal promoters on the catalytic activity of Co-Cu based nanoparticles for boosting hydrogen evolution: Ammonia borane hydrolysis**
Coşkuner Filiz B., Kantürk Figen A., Pişkin S.
Applied Catalysis B: Environmental, vol.238, pp.365-380, 2018 (SCI-Expanded)
- XXXV. **Recommendations for ammonia borane composite pellets as a hydrogen storage medium**
Keskin E., Filiz B., Depren S., Figen A.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.45, pp.20354-20371, 2018 (SCI-Expanded)
- XXXVI. **Cobalt-boron loaded thermal activated Turkish sepiolite composites (Co-B@tSe) as a catalyst for hydrogen delivery**
Mese E., Figen A., Filiz B. C., Pişkin S.
Applied Clay Science, vol.153, pp.95-106, 2018 (SCI-Expanded)
- XXXVII. **Synergetic Effect of Sodium Borohydride Addition in Ammonia Borane Hydrolysis Reaction Mechanism and Kinetics**
Kantürk Figen A., Taşçı K., Coşkuner Filiz B.
Kinetics and Catalysis, vol.59, pp.128-135, 2018 (SCI-Expanded)
- XXXVIII. **Colemanite: A fire retardant candidate for wood plastic composites**
Terzi E., Kartal S. N., Pişkin S., Stark N., Figen A., White R. H.
BioResources, vol.13, pp.1491-1509, 2018 (SCI-Expanded)
- XXXIX. **Dual combining transition metal hybrid nanoparticles for ammonia borane hydrolytic dehydrogenation**
Filiz B. C., Figen A., Pişkin S.
Applied Catalysis A: General, vol.550, pp.320-330, 2018 (SCI-Expanded)
- XL. **Full in-vitro analyses of new-generation bulk fill dental composites cured by halogen light**
Tekin T. H., Kantürk Figen A., Yılmaz Atalı P., Coşkuner Filiz B., Pişkin M. B.
Materials Science and Engineering C, vol.77, pp.436-445, 2017 (SCI-Expanded)
- XLI. **Devolatilization kinetics of olive leaves with application as a precursor for activated carbon production**
Sarı H., Kantürk Figen A., Coşkuner Filiz B., Ünal Y., Pişkin S.
Instrumentation Science and Technology, vol.45, pp.440-458, 2017 (SCI-Expanded)
- XLII. **Open sun drying of green bean: influence of pretreatments on drying kinetics, colour and rehydration capacity**
İSMAİL O., Figen A., Pişkin S.
HEAT AND MASS TRANSFER, vol.53, no.4, pp.1277-1288, 2017 (SCI-Expanded)
- XLIII. **Ammonia borane-boron composites for hydrogen release: Thermolysis kinetics**
Ergüven H., KANTÜRK FİĞEN A., PİŞKİN S.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.39, no.6, pp.613-617, 2017 (SCI-Expanded)
- XLIV. **The effect of vinegar-acetic acid solution on the hydrogen generation performance of mechanochemically modified Magnesium (Mg) granules**
Öz Ç., Coşkuner Filiz B., Kantürk Figen A.
Energy, vol.127, pp.328-334, 2017 (SCI-Expanded)
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