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Publons / Web Of Science ResearcherID: AAA-2392-2020

ScopusID: 57191109215

Yoksis Araştırmacı ID: 164196



Öğrenim Bilgisi

Ön Lisans 2020 - 2022	Anadolu Üniversitesi, Otel, Lokanta Ve İkram Hizmetleri Bölümü, Türkiye
Post Doktora 2018 - 2019	Argonne National Laboratory, Chemical Sciences and Engineering Division, Catalysis Science Program, Amerika Birleşik Devletleri
Doktora 2013 - 2018	The Ohio State University, Faculty of Engineering, Chemical and Biomolecular Engineering, Amerika Birleşik Devletleri
Yüksek Lisans 2010 - 2012	Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Türkiye
Lisans 2005 - 2010	Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Türkiye

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi 2020 - Devam Ediyor	Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü
Araştırma Görevlisi 2010 - 2012	Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü

Burslar

2232 - Uluslararası Lider Araştırmacılar Programı, TÜBİTAK, 2020 - Devam Ediyor

Jüri Üyelikleri

Tez Savunma (Doktora), Tez Savunma (Doktora), Orta Doğu Teknik Üniversitesi, Temmuz, 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- 1. Chemical upcycling of polyolefins into liquid refinery feedstock from the circularity and chemical engineering aspects**
Aydogdu A. C., Erkmen B., Suerkan A., Ezdesir A., Guliyev B., ÇELİK G.
Journal of Environmental Chemical Engineering, cilt.12, sa.5, 2024 (SCI-Expanded)
- 2. Insights into Reaction Mechanisms in Liquid Metals from Density Functional Theory: CH₄ Pyrolysis in BiNiX (X = Cu, Al) Molten Metals as a Case Study**
Erbasan A., TOFFOLI H., Toffoli D., GÖKALP İ., KARDAŞ G., ÇELİK G.
ACS Applied Energy Materials, cilt.7, sa.8, ss.3220-3233, 2024 (SCI-Expanded)
- 3. Effect of Pt nanoparticle size on resistance to chloride-induced inhibition for hydrodechlorination of trichloroethylene in water**
KARAHAN S., ÇELİK G.
Journal of Environmental Chemical Engineering, cilt.12, sa.2, 2024 (SCI-Expanded)
- 4. Nonoxidative dehydrogenation of propane using boron-incorporated silica-supported Pt Sites synthesized by atomic layer deposition**
ÇELİK G.
Turkish Journal of Chemistry, cilt.48, sa.1, ss.166-175, 2024 (SCI-Expanded)
- 5. Ternary Polyaniline@Bi₂O₃-BiOCl Nanocomposites as Innovative Highly Active Photocatalysts for the Removal of the Dye under Solar Light Irradiation**
BOUZIANI A., Yahya M., Bianchi C. L., Falletta E., ÇELİK G.
Nanomaterials, cilt.13, sa.4, 2023 (SCI-Expanded)
- 6. Can Pyrolysis Oil Be Used as a Feedstock to Close the Gap in the Circular Economy of Polyolefins?**
Erkmen B., Ozdogan A., Ezdesir A., Çelik G.
Polymers, cilt.15, sa.4, 2023 (SCI-Expanded)
- 7. Development of polyaniline coated titania-hematite composite with enhanced photocatalytic activity under sun-like irradiation**
BOUZIANI A., Yahya M., Naciri Y., Hsini A., Khan M. A., Sillanpää M., ÇELİK G.
Surfaces and Interfaces, cilt.34, 2022 (SCI-Expanded)
- 8. Grafted nickel-promoter catalysts for dry reforming of methane identified through high-throughput experimentation**
Ferrandon M. S., Byron C., Celik G., Zhang Y., Ni C., Sloppy J., McCormick R. A., Booksh K., Teplyakov A., Delferro M.
APPLIED CATALYSIS A-GENERAL, cilt.629, 2022 (SCI-Expanded)
- 9. Synthetic Lubricants Derived from Plastic Waste and their Tribological Performance**
Hackler R. A., Vyavhare K., Kennedy R. M., ÇELİK G., Kanbur U., Griffin P. J., Sadow A. D., Zang G., Elgowainy A., Sun P., et al.
ChemSusChem, cilt.14, sa.19, ss.4181-4189, 2021 (SCI-Expanded)
- 10. On the dual role of the reactant during aqueous phase hydrodechlorination of trichloroethylene (HDC of TCE) using Pd supported on swellable organically modified silica (SOMS)**
Ailawar S., Hunoor A., Rudzinski B., Celik G., Burel L., Millet J., Miller J. T., Edmiston P. L., Ozkan U. S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.291, 2021 (SCI-Expanded)

11. **Effect of High Temperature on Swellable Organically Modified Silica (SOMS) and Its Application for Preferential CO Oxidation in H-2 Rich Environment**
Basu D., Ailawar S., Celik G., Edmiston P., Ozkan U. S.
CHEMCATCHEM, cilt.12, sa.14, ss.3753-3768, 2020 (SCI-Expanded)
12. **Activation of Low-Valent, Multiply M-M Bonded Group VI Dimers toward Catalytic Olefin Metathesis via Surface Organometallic Chemistry**
Chapovetsky A., Langeslay R. R., Celik G., Perras F. A., Pruski M., Ferrandon M. S., Wegener E. C., Kim H., Dogan F., Wen J., et al.
ORGANOMETALLICS, cilt.39, sa.7, ss.1035-1045, 2020 (SCI-Expanded)
13. **Role of Boron in Enhancing the Catalytic Performance of Supported Platinum Catalysts for the Nonoxidative Dehydrogenation of n-Butane**
Byron C., Bai S., Celik G., Ferrandon M. S., Liu C., Ni C., Mehdad A., Delferro M., Lobo R. F., Teplyakov A. V.
ACS Catalysis, cilt.10, sa.2, ss.1500-1510, 2020 (SCI-Expanded)
14. **Mechanistic Aspects of a Surface Organovanadium(III) Catalyst for Hydrocarbon Hydrogenation and Dehydrogenation**
Kaphan D. M., Ferrandon M. S., Langeslay R. R., Celik G., Wegener E. C., Liu C., Niklas J., Poluektov O. G., Delferro M.
ACS Catalysis, cilt.9, sa.12, ss.11055-11066, 2019 (SCI-Expanded)
15. **Upcycling Single-Use Polyethylene into High-Quality Liquid Products**
Celik G., Kennedy R. M., Hackler R. A., Ferrandon M., Tennakoon A., Patnaik S., Lapointe A. M., Ammal S. C., Heyden A., Perras F. A., et al.
ACS Central Science, cilt.5, sa.11, ss.1795-1803, 2019 (SCI-Expanded)
16. **Electrophilic Organoiridium(III) Pincer Complexes on Sulfated Zirconia for Hydrocarbon Activation and Functionalization**
Syed Z. H., Kaphan D. M., Perras F. A., Pruski M., Ferrandon M. S., Wegener E. C., Celik G., Wen J., Liu C., Dogan F., et al.
Journal of the American Chemical Society, cilt.141, sa.15, ss.6325-6337, 2019 (SCI-Expanded)
17. **Aqueous-Phase Hydrodechlorination of Trichloroethylene over Pd-Based Swellable Organically Modified Silica: Catalyst Deactivation Due to Sulfur Species**
Celik G., Ailawar S. A., Gunduz S., Miller J. T., Edmiston P. L., Ozkan U. S.
Industrial and Engineering Chemistry Research, cilt.58, sa.10, ss.4054-4064, 2019 (SCI-Expanded)
18. **Formation of carbonaceous deposits on Pd-based hydrodechlorination catalysts: Vibrational spectroscopy investigations over Pd/Al₂O₃ and Pd/SOMS**
Celik G., Ailawar S. A., Gunduz S., Edmiston P. L., Ozkan U. S.
Catalysis Today, cilt.323, ss.129-140, 2019 (SCI-Expanded)
19. **Effect of alumina incorporation on the sulfur tolerance of the dual-catalyst aftertreatment system for reduction of nitrogen oxides under lean conditions**
Sinha Majumdar S., Alexander A., Gawade P., Celik G., Ozkan U. S.
Catalysis Today, cilt.320, ss.204-213, 2019 (SCI-Expanded)
20. **Aqueous-phase hydrodechlorination of trichloroethylene over Pd-based swellable organically-modified silica (SOMS): Catalyst deactivation due to chloride anions**
Celik G., Ailawar S. A., Gunduz S., Miller J. T., Edmiston P. L., Ozkan U. S.
Applied Catalysis B: Environmental, cilt.239, ss.654-664, 2018 (SCI-Expanded)
21. **Atomically Precise Strategy to a PtZn Alloy Nanocluster Catalyst for the Deep Dehydrogenation of n-Butane to 1,3-Butadiene**
Camacho-Bunquin J., Ferrandon M. S., Sohn H., Kropf A. J., Yang C., Wen J., Hackler R. A., Liu C., Celik G., Marshall C. L., et al.
ACS Catalysis, cilt.8, sa.11, ss.10058-10063, 2018 (SCI-Expanded)
22. **Swellable Organically Modified Silica (SOMS) as a Catalyst Scaffold for Catalytic Treatment of Water Contaminated with Trichloroethylene**
Celik G., Ailawar S. A., Sohn H., Tang Y., Tao F. F., Miller J. T., Edmiston P. L., Ozkan U. S.
ACS Catalysis, cilt.8, sa.8, ss.6796-6809, 2018 (SCI-Expanded)

23. **Enhancement in Oxygen Reduction Reaction Activity of Nitrogen-Doped Carbon Nanostructures in Acidic Media through Chloride-Ion Exposure**
Jain D., Mamtani K., Gustin V., Gunduz S., Celik G., Waluyo I., Hunt A., Co A. C., Ozkan U. S.
ChemElectroChem, cilt.5, sa.14, ss.1966-1975, 2018 (SCI-Expanded)
24. **Hydrodechlorination of trichloroethylene over Pd supported on swellable organically-modified silica (SOMS)**
Sohn H., Celik G., Gunduz S., Dean S. L., Painting E., Edmiston P. L., Ozkan U. S.
Applied Catalysis B: Environmental, cilt.203, ss.641-653, 2017 (SCI-Expanded)
25. **In-situ incorporation of binder during sol-gel preparation of Pd-based sulfated zirconia for reduction of nitrogen oxides under lean-burn conditions: Effect on activity and wash-coating characteristics**
Sinha Majumdar S., Celik G., Alexander A., Gawade P., Ozkan U. S.
Applied Catalysis B: Environmental, cilt.202, ss.134-146, 2017 (SCI-Expanded)
26. **Effect of high-temperature on the swellable organically-modified silica (SOMS) and its application to gas-phase hydrodechlorination of trichloroethylene**
Sohn H., Celik G., Gunduz S., Majumdar S. S., Dean S. L., Edmiston P. L., Ozkan U. S.
Applied Catalysis B: Environmental, cilt.209, ss.80-90, 2017 (SCI-Expanded)
27. **Oxygen Mobility in Pre-Reduced Nano- and Macro-Ceria with Co Loading: An AP-XPS, In-Situ DRIFTS and TPR Study**
Sohn H., Celik G., Gunduz S., Dogu D., Zhang S., Shan J., Tao F. F., Ozkan U. S.
Catalysis Letters, cilt.147, sa.11, ss.2863-2876, 2017 (SCI-Expanded)
28. **Probing the Oxygen Reduction Reaction Active Sites over Nitrogen-Doped Carbon Nanostructures (CNx) in Acidic Media Using Phosphate Anion**
Mamtani K., Jain D., Zemlyanov D., Celik G., Luthman J., Renkes G., Co A. C., Ozkan U. S.
ACS Catalysis, cilt.6, sa.10, ss.7249-7259, 2016 (SCI-Expanded)
29. **Investigation of the effect of alumina binder addition to Pd/SO₄²⁻ – ZrO₂ Catalysts during sol–gel synthesis**
Sinha Majumdar S., Celik G., Ozkan U.
Industrial and Engineering Chemistry Research, cilt.55, sa.44, ss.11445-11457, 2016 (SCI-Expanded)
30. **Performance of silicotungstic acid incorporated mesoporous catalyst in direct synthesis of dimethyl ether from syngas in the presence and absence of CO₂**
Celik G., Arinan A., Bayat A., Ozbek H. O., Doğu T., Varışlı D.
Topics in Catalysis, cilt.56, ss.1764-1774, 2013 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

1. **Metan Pirolizinde Eriyik Metal Katalizörleri'nin İlk Prensipler ile Teorik Olarak Modellenmesi ve Katalitik Aktivitelerinin Karşılaştırması**
Erbaşan A., Sökmen U., Eroğlu E., Mutlu R. N., Çelik G., Toffoli H., Gökalp I., Kardeş G.
27. Yoğun Madde Fiziği Ankara Toplantısı (YMF-27), Ankara, Türkiye, 16 Aralık 2022, ss.1
2. **Non-oxidative dehydrogenation of propane over phosphate-modified ZrO₂**
Bouziani A., Çelik G.
6th Anatolian School of Catalysis 2022, İzmir, Türkiye, 23 - 28 Eylül 2022, ss.1
3. **Non-oxidative propane dehydrogenation over anatase TiO₂-x**
Khan I. A., Bouziani A., Çelik G.
6th Anatolian School of Catalysis 2022, İzmir, Türkiye, 23 Eylül - 28 Aralık 2022, ss.1
4. **Trikloroetenin nikel içerikli katalizörlerle hidrodeklorinasyon yöntemiyle arındırılması**
Akyıldız E., Ipek Torun B., Çelik G.
, 6th Anatolian School of Catalysis 2022, İzmir, Türkiye, 23 - 28 Eylül 2022, ss.1
5. **Metan Pirolizinde Eriyik Metal Alaşımlarla Turkuaz Hidrojen Eldesi**

Sökmen U., Çelik G., Erbasan A., Eroglu E., Toffoli H., Mutlu R. N., Gökalp I., Kardeş G.

6th Anatolian School of Catalysis 2022, İzmir, Türkiye, 23 - 28 Eylül 2022, ss.1

6. **Kinetik Olarak Birleştirilmiş Propan Dehidrojenasyonu ve Seçici Hidrojen Yanması Reaksiyonları için Tandem Katalizörlerin Hazırlanması**
Çaldıklığıoğlu A., Çelik G.
6th Anatolian School of Catalysis 2022, İzmir, Türkiye, 23 - 28 Eylül 2022, ss.1
7. **On the Dual Role of the Reactant during Aqueous Phase Hydrodechlorination of Trichloroethylene (HDC of TCE) Using Pd Supported on Swellable Organically Modified Silica (SOMS)**
Hunoor A., Ailawar S., Rudzinski B., Çelik G., Burel L., Millet J., Miller J. T., Edmiston P. L., Ozkan U. S.
27th North American Catalysis Society Meeting, New York, Amerika Birleşik Devletleri, 22 - 27 Mayıs 2022, ss.1
8. **Effect of Particle Size on Resistance to Chloride for Hydrodechlorination of Trichloroethylene in Water**
Karahan S., Çelik G.
1st Forum of Young Researchers on Heterogeneous Catalysis, YOURHETCAT 2022, Szeged, Macaristan, 11 - 13 Temmuz 2022, ss.1
9. **Nickel-Based Grafted Catalysts for Dry Reforming of Methane Through High-Throughput Experimentation**
Çelik G., Ferrandon M., Delferro M.
23rd World Hydrogen Energy Conference – WHEC2022, İstanbul, Türkiye, 26 - 30 Haziran 2022, ss.1
10. **On the Dual Role of the Reactant during Aqueous Phase Hydrodechlorination of Trichloroethylene Using Pd Supported on Swellable Organically Modified Silica**
Hunoor A., Ailawar S., Rudzinski B., Çelik G., Burel L., Millet J., Miller J. T., Edmiston P. L., Ozkan U. S.
AIChE 2021 Annual Meeting, 15 - 19 Kasım 2021, ss.1
11. **Trikloroetenin Hidrodeklorasyonunda Pt Nanopartikül Boyutunun HCl Kaynaklı Deaktivasyon Üzerindeki Etkisi**
Karahan S., Çelik G.
6th Anatolian School of Catalysis 2022, İzmir, Türkiye, 23 - 28 Eylül 2022, ss.1
12. **Effect of chlorination on the catalytic activity of ZrO₂ toward nonoxidative propane dehydrogenation**
Çelik G., Bouziani A.
12th International Conference on Environmental Catalysis (ICEC2022), Osaka, Japonya, 30 Temmuz - 02 Ağustos 2022, ss.1
13. **Designing and Comparing the Catalytic Activity of Molten Metal Catalysts for Methane Pyrolysis**
Erbasan A., Sökmen U., Eroğlu E., Mutlu R. N., Çelik G., Toffoli H., Gökalp I., Kardeş G.
16th Nanoscience and Nanotechnology Conference, Ankara, Türkiye, 5 - 08 Eylül 2022, ss.1
14. **Propan dehidrojenasyonunda modifiye edilmiş hegzagonal bor nitrürün katalizör olarak kullanılması**
Karaevvaz M. C., Sezgi N. A., Çelik G.
6th Anatolian School of Catalysis 2022, İzmir, Türkiye, 23 Eylül - 28 Aralık 2022, ss.1
15. **Exploring the catalytic conversion of methane: The role of coke formation and bimetallic supported metal nanoparticle catalysts for dry reforming of methane**
Byron C., Ferrandon M., Çelik G., McCormick R., Sloopy J., Booksh K., Delferro M., Ni C., Telpyakov A.
ACS Fall 2022, California, Amerika Birleşik Devletleri, 21 - 26 Ağustos 2022, ss.1
16. **Ni Loaded on Dealuminated Mordenites for Aqueous-phase and Gas-phase Hydrodechlorination of Trichloroethylene**
AKYILDIZ E., İPEK TORUN B., ÇELİK G.
16th Nanoscience and Nanotechnology Conference, Ankara, Türkiye, 5 - 08 Eylül 2022
17. **Catalytic Upcycling of Single-Use Polyolefins into Lubricants: A Path Forward for Circular Economy**
ÇELİK G., Delferro M., Erdemir A., Elgowainy A.
NCC-8 National Catalysis Congress, Türkiye, 09 Eylül 2021
18. **Yalın Yanma Koşulları Altında NO_x İndirilmesi İçin Çift Katalizörlü Egzoz Arındırma Sisteminin Katalitik Aktivitesi Üzerinde Oksidasyon Katalizörünün Sentez Yönteminin Etkisi**

ÇELİK G., Majumdar S. S., Ozkan U. S.

14. Ulusal Kimya Mühendisliği Kongresi, 10 Haziran 2021

19. **Yalın Yanma Koşulları Altında NO_x İndirgemesi İçin Çift Katalizörlü Egzoz Arındırma Sisteminin Katalitik Aktivitesi Üzerinde Oksidasyon Katalizörünün Sentez Yönteminin Etkisi**

ÇELİK G., Majumdar S. S., Ozkan U. S.

14. Ulusal Kimya Mühendisliği Kongresi, Türkiye, 10 Haziran 2021

20. **Aqueous Phase Hydrodechlorination of TCE with Pd Supported Swellable Organically Modified Silica (SOMS): Effect of Ethanol on Reaction Kinetics**

Hunoor A., Çelik G., Özkan Ü. S., Miller J. T., Edmiston P. L., Özkan Ü. S.

AICHE 2020 Annual Meeting, Alabama, Amerika Birleşik Devletleri, 16 - 20 Kasım 2020, ss.1

21. **Determination of the Anti-coking Effect of Boron for Supported Platinum Catalysts**

Byron C., Bai S., Çelik G., Ferrandon M., Liu C., Ni C., Mehdad A., Delferro M., Lobo R., Telpyakov A.

ACS Spring 2020 National Meeting & Expo, Pennsylvania, Amerika Birleşik Devletleri, 22 - 26 Mart 2020, ss.1

22. **Swellable Organically Modified Silica (SOMS) as a Catalyst Scaffold for Catalytic Treatment of Water through Hydrogenation and Hydrogenolysis Reactions**

Özkan Ü. S., Ailawar S., Hunoor A., Çelik G., Gündüz S., Miller J. T., Tao F., Edmiston P.

Annual Meeting of the American Institute of Chemical Engineers, Florida, Amerika Birleşik Devletleri, 10 - 15 Kasım 2019, ss.1

23. **Aqueous Phase Hydrodechlorination of Trichloroethylene Using Pd Supported on Swellable Organically Modified Silica (SOMS): Deactivation Due to Chloride and Sulfur Species**

Ailawar S. A., Çelik G., Gunduz S., Miller J. T., Tao F. F., Edmiston P. L., Ozkan U. S.

2019 AIChE Annual Meeting, Florida, Amerika Birleşik Devletleri, 10 - 15 Kasım 2019

24. **Swellable Organically Modified Silica (SOMS) As a Catalyst Scaffold for Catalytic Treatment of Water through Hydrogenation and Hydrogenolysis Reactions**

Ozkan U. S., Ailawar S. A., Hunoor A., Çelik G., Gunduz S., Miller J. T., Tao F. F., Edmiston P. L.

2019 AIChE Annual Meeting, Florida, Amerika Birleşik Devletleri, 10 - 15 Kasım 2019

25. **Hydrodechlorination of Trichloroethylene using Pd Catalysts Supported on Swellable Organically Modified Silica (SOMS),**

Özkan Ü. S., Çelik G., Ailawar S. A., Edmiston P.

French Conference on Catalysis FCCat2, Frejus, Fransa, 3 - 07 Haziran 2019, ss.1

26. **Catalytic upcycling of waste polymers by supported metal catalysts**

Kennedy R. M., ÇELİK G., Hackler R. A., ammal s., Ferrandon M. S., LaPointe A. M., Sadow A. D., Heyden A., Poepelmeier K. R., Delferro M.

Fall National Meeting and Exposition of the American-Chemical-Society (ACS), 25 - 29 Ağustos 2019, cilt.258

27. **Swellable Organically Modified Silica (SOMS): A Novel Support for Aqueous Phase Hydrodechlorination of Trichloroethylene**

Ailawar S. A., ÇELİK G., Hunoor A., Gunduz S., Edmiston P. L., Ozkan U. S.

NAM 26 - North American Catalysis Society Meeting, 23 - 28 Haziran 2019

28. **Mechanistic Studies of a Silica Supported Organovanadium(III) Catalyst for Hydrocarbon Hydrogenation and Dehydrogenation**

Kaphan D. M., Langeslay R. R., Ferrandon M. S., Liu C., ÇELİK G., Delferro M.

NAM 26 - North American Catalysis Society Meeting, 23 - 28 Haziran 2019

29. **Atomically Precise Strategy to Synthesize Bimetallic Platinum Nanoclusters for Non-Oxidative Dehydrogenation Catalysis**

ÇELİK G., Camacho-Bunquin J., Ferrandon M. S., Sohn H., Kropf A. J., Yang C., Wen J., Hackler R. A., Liu C., Marshall C. L., et al.

NAM 26 - North American Catalysis Society Meeting, 23 - 28 Haziran 2019

30. **Electrophilic Pincer-Iridium (III) Complexes Supported on Metal Oxides for C-H Functionalization**

Syed Z., Kaphan D. M., Perras F. A., Pruski M., Ferrandon M. S., Wegener E. C., Kropf A. J., ÇELİK G., Wen J., Liu C., et al.

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31. **Hydrodechlorination of Trichloroethylene using Pd Catalysts Supported on Swellable Organically Modified Silica (SOMS)**
Özkan Ü. S., Çelik G., Ailawar G., Edmiston P.
International Conference on Applied Catalysis and Chemical Engineering, Dubai, Birleşik Arap Emirlikleri, 8 - 10 Nisan 2019, ss.1
32. **Surface structural-chemical characterization of a supported organovanadium(III) catalyst**
Kaphan D. M., Langeslay R. R., Ferrandon M. S., ÇELİK G., Liu C., Sattelberger A. P., Delferro M.
257th National Meeting of the American-Chemical-Society (ACS), Orlando, Amerika Birleşik Devletleri, 31 Mart - 04 Nisan 2019, cilt.257
33. **Swellable Organically Modified Silica (SOMS): A Novel Support for Pd Catalyzed Hydrodechlorination of Trichloroethylene in Aqueous Phase**
ÇELİK G., Ailawar S. A., Gunduz S., Miller J. T., Tao F. F., Edmiston P. L., Ozkan U. S.
2018 AIChE Annual Meeting, Pittsburgh, PA, Amerika Birleşik Devletleri, 28 Ekim - 02 Kasım 2018
34. **Hydrodechlorination of Trichloroethylene Using Pd Catalysts Supported on Swellable Organically Modified Silica (SOMS)**
Özkan Ü. S., Çelik G., Ailawar S. A., Edmiston P.
9th Eastern Mediterranean Conference of Chemical Engineering, Ankara, Türkiye, 31 Ağustos - 02 Eylül 2018, ss.1
35. **Hydrodechlorination of trichloroethylene using Pd catalysts supported on swellable organically modified silica (SOMS)**
Ozkan U. S., ÇELİK G., Ailawar S. A., Sohn H., Gunduz S., Edmiston P. L.
256th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nanoscience, Nanotechnology and Beyond, Boston, 19 - 23 Ağustos 2018, cilt.256
36. **Investigation of the Effect of Alumina Binder Addition to Palladium Supported on Sulfated Zirconia Catalysts during Sol-Gel Synthesis**
Majumdar S. S., ÇELİK G., Ozkan U. S.
NAM 25 - North American Catalysis Society Meeting, Denver, 4 Haziran - 04 Eylül 2017
37. **Catalytic Treatment of Water Contaminated with Trichloroethylene**
ÇELİK G., Sohn H., Gunduz S., Ailawar S. A., Edmiston P. L., Ozkan U. S.
NAM 25 - North American Catalysis Society Meeting, Denver, 4 - 09 Haziran 2017
38. **Aqueous-phase Hydrodechlorination of Trichloroethene over Pd-supported on Swellable Organically-modified Silica (SOMS)**
ÇELİK G., Ailawar S. A., Gunduz S., Miller J. T., Tao F. F., Edmiston P. L., Ozkan U. S.
2016 AIChE Annual Meeting, San-Francisco, Kostarika, 13 Kasım 2016 - 18 Kasım 2019
39. **Wash-coat development for Lean-burn Engine-exhaust Aftertreatment: A Novel Way of Incorporation of Binder to Pd Supported on Sulfated Zirconia**
Çelik G., Ailawar S. A., Gunduz S., Miller J. T., Tao F. F., Edmiston P. L., Ozkan U. S.
2016 AIChE Annual Meeting, Florida, Amerika Birleşik Devletleri, 13 Kasım 2016 - 18 Kasım 2019
40. **Catalytic Treatment of Water Contaminated with Chlorinated Hydrocarbons**
ÇELİK G., Ailawar S. A., Gunduz S., Miller J. T., Tao F. F., Edmiston P. L., Ozkan U. S.
2016 AIChE Annual Meeting, San-Francisco, Kostarika, 13 Kasım 2016 - 18 Kasım 2019
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2021 - Devam Ediyor	Bölüm Başkan Yardımcısı	Orta Doğu Teknik Üniversitesi
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Metrikler

Yayın: 76

Atıf (WoS): 504

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