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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-4782-2017

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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2015 - 2017

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 2012 - 2015

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2008 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Afşin Elbistan linyit kömürü ve RDF'den üretilen yarıkok karışımlarının yanma davranımlarının belirlenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 2015

Research Areas

Energy, Renewable energy, Chemical Engineering and Technology, Chemical Technologies, Polymer Technology, Alternative Energy Resources, Alternate Fuels and Energy Resources, Polymeric Materials, Functional Polymers, Characterization of Polymers, Polymeric Materials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Crosslinked Low-Density Polyethylene/Polyhedral Oligomeric Silsesquioxanes Composites: Effects of Crosslinker Concentration on the Mechanical, Thermal, Rheological, and Shape Memory Properties**

Bicer E., KURT DEMİR G., KODAL M., ÖZKOÇ G.

JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS, vol.60, no.12, pp.999-1024, 2021 (SCI-Expanded)

- II. **Properties of Biochars Obtained from RDF by Carbonization: Influences of Devolatilization Severity**
Haykiri-Acma H., Kurt G., Yaman S.
WASTE AND BIOMASS VALORIZATION, vol.8, no.3, pp.539-547, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Shape memory behavior and physical properties of peroxide X-linked LLDPE-C6/POSS and LLDPE-C8/POSS composites**
BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
AIP CONFERENCE PROCEEDINGS, vol.2607, no.070009, 2023 (Peer-Reviewed Journal)
- II. **Cross-linked LLDPE composites in the presence of POSS nanoparticles and poly(ethylene glycol) dimethacrylate coagent: Comparison of physical properties and shape memory behaviour**
Kurt Demir G., Biçer E., Kodal M., Özkoç G.
AIP CONFERENCE PROCEEDINGS, vol.2205, 2020 (Peer-Reviewed Journal)
- III. **Investigation of shape memory behavior and physical properties of crosslinked low density polyethylene/OvPOSS/TAIC composites**
Biçer E., Kurt Demir G., Kodal M., Özkoç G.
AIP CONFERENCE PROCEEDINGS, vol.2205, 2020 (Scopus)
- IV. **Effect of functional group distribution on combustion characteristics of chars from Afsin Elbistan lignite and RDF**
KURT DEMİR G., AÇMA H., YAMAN S.
International Advanced Researches and Engineering Journal 02(03): 320-324, 2018, vol.2, no.3, pp.320-324, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Shape memory behavior and physical properties of peroxide x-linked LLDPE-C6/POSS and LLDPE-C8/POSS composites**
BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
36th International Conference of the Polymer Processing Society (PPS-36), Montreal, Canada, 26 September 2021
- II. **LDPE'nin Çapraz Bağlanma Verimliliği ve Fiziksel Özelliklerinin Araştırılması: "OvPOSS ile Esnek ve Rijit Koajanların Karşılaştırılması"**
BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Konya, Turkey, 10 June 2021
- III. **POSS ve TAIC Varlığında Çapraz Bağlanmış LDPE Ve LDPE Kompozitlerinin Şekil Hafıza Davranışı ve Fiziksel Özelliklerinin İncelenmesi**
KURT DEMİR G., BİÇER E., KODAL M., ÖZKOÇ G.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Konya, Turkey, 10 June 2021
- IV. **LLDPE/OvPOSS/TAIC ve LLDPE/OvPOSS/PEGDMA Kompozitlerinin mekanik, ısıl, reolojik ve şekil hafıza özellikleri**
KURT DEMİR G., BİÇER E., KODAL M., ÖZKOÇ G.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Konya, Turkey, 10 June 2021
- V. **The investigation of the effect of TAIC loading level on the properties of LLDPE/PRX**
GÜLER F., BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
35th International Conference of the Polymer Processing Society (PPS-35), 26 - 30 May 2019
- VI. **Cross-linked LLDPE composites in the presence of POSS nanoparticles and poly(ethylene glycol) dimethacrylate coagent: "Comparison of physical properties and shape memory behaviour"**

KURT DEMİR G., BİÇER E., KODAL M., ÖZKOÇ G.

35th International Conference of the Polymer Processing Society (PPS-35), 26 - 30 May 2019

- VII. **Investigation of mechanical, thermal and rheological properties of crosslinked LDPE, LLDPE-C6 and LLDPE-C8 blends containing polybutadiene as a coagent**
BAŞARAN E., BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
35th International Conference of the Polymer Processing Society (PPS-35), 26 - 30 May 2019
- VIII. **Investigation of mechanical, thermal and rheological properties of crosslinked LDPE, LLDPE-C6 and LLDPE-C8 blends containing polybutadiene as a coagent**
BAŞARAN E., BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
35th International Conference of the Polymer Processing Society (PPS-35), Çeşme, Turkey, 26 - 30 May 2019
- IX. **Investigation of shape memory behavior and physical properties of cross-linked low density polyethylene/OvPOSS/TAIC composites**
BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
35th International Conference of the Polymer Processing Society (PPS-35), 26 - 30 May 2019
- X. **Properties of crosslinked LLDPE in the presence of TMPTMA or POSS nanoparticles: "Comparison of physical properties and shape memory behaviour**
KURT DEMİR G., BİÇER E., KODAL M., ÖZKOÇ G.
14 th Nanoscience and Nanotechnology Conference (NANOTR-14), 22 - 26 September 2018
- XI. **Comparison of TAIC or OvPOSS on the crosslinking efficiency and shape memory properties of LDPE**
BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
14 th Nanoscience and Nanotechnology Conference (NANOTR-14), 22 - 26 September 2018
- XII. **Peroksit ile çapraz bağlanmış LLDPE/POSS kompozitlerinde termal, mekanik ve reolojik özellikler ile şekil hafıza davranışının incelenmesi**
BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, 9 - 12 September 2018
- XIII. **Farklı oranlarda TMPTMA ile çapraz bağlanmış LLDPE karışımlarının özelliklerinin incelenmesi**
Güler F., Biçer E., Kurt Demir G., Kodal M., Özkoç G.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.259
- XIV. **Peroksit ile çapraz bağlanmış LDPE/POSS: "Peroksit konsantrasyonu ve POSS türünün fiziksel ve şekil hafıza özelliklerine etkisi"**
Kurt Demir G., Biçer E., Kodal M., Özkoç G.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.236
- XV. **Shape memory properties and characterization of crosslinked polyethylene/Oib-POSS composites**
KODAL M., BİÇER E., KURT DEMİR G., ÖZKOÇ G.
4 th International Conference on Engineering and Natural Sciences, Kiev, Ukraine, 2 - 06 May 2018, pp.165
- XVI. **Etilen glikol dimetakrilat ile hazırlanan çapraz bağlanmış polietilenin mekanik, ısıl ve reolojik özelliklerinin incelenmesi**
BAŞARAN E., BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
3. Uluslararası Mühendislik Mimarlık ve Tasarım Kongresi, Kocaeli, Turkey, 4 - 05 May 2018, pp.445-446
- XVII. **Determination of Thermal Behaviour of Afsin-Elbistan Lignite and Chars Produced from Lignite at Different Temperatures**
KURT DEMİR G., AÇMA H., YAMAN S.
14th International Combustion Symposium INCOS2018, Karabük, Turkey, 25 - 27 April 2018, vol.1, pp.439-442
- XVIII. **Shape memory crosslinked polyethylene/POSS nanocomposites**
BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
The 33rd International Conference of the Polymer Processing Society (PPS-33), Cancun, Mexico, 10 - 14 December 2017
- XIX. **Shape Memory Crosslinked Polyethylene/POSS Nanocomposites: "Effect of different POSS types"**
BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
PPS 33-33rd International Conference of the Polymer Processing Society, 10 - 14 December 2017
- XX. **Effect of Functional Group Distribution on Combustion Characteristics of Chars from Afsin Elbistan**

Lignite and RDF

KURT DEMİR G., AÇMA H., YAMAN S.

IAREC-International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, vol.1, pp.1424-1427

XXI. Properties of Crosslinked Polyethylene/Oib-POSS Nanocomposites:Effect of peroxide concentration

BİÇER E., KURT DEMİR G., KODAL M., ÖZKOÇ G.

PPS Europe Africa Conference, Dresden, Germany, 26 - 29 June 2017, pp.31

XXII. Peroxide Crosslinking of Linear Low Density Polyethylene

KURT DEMİR G., BİÇER E., KODAL M., ÖZKOÇ G.

PPS Europe Africa Conference, Dresden, Germany, 26 - 29 June 2017, pp.19

XXIII. Effects of Carbonization on the Distribution of the Functional Groups in AfsinElbistanLignite Coal

KURT G., HAYKIRI AÇMA H., YAMAN S.

IEESE 8, AFYON, Turkey, 18 October 2016

XXIV. Determination of Thermal Behaviour of RDF (Refuse Derived Fuel) and Chars Produced from RDF at Different Temperatures

Kurt Demir G., Açma H., Yaman S.

EurAsia Waste Management Symposium, 2-4 May 2016, YTU 2010 Congress Center, İstanbul/Türkiye, İstanbul, Turkey, 2 - 04 May 2016, vol.5, no.5, pp.1-5

XXV. Effects of Carbonization on the Distribution of the Functional Groups in RDF and Lignite

Mertdinç Ülküseven S., Kurt Demir G., Açma H., Yaman S.

EurAsia Waste Management Symposium, 2-4May 2016, YTU 2010 Congress Center, İstanbul/Türkiye, İstanbul, Turkey, 2 - 04 May 2016, vol.3, pp.5-10

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