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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAX-6516-2021

ScopusID: 57224451013

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2017 - 2023

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Polimer Bilim Ve Teknolojisi Anabilim Dalı (Disiplinlerarası), Turkey 2014 - 2017

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 2008 - 2014

Dissertations

Doctorate, İletken polimer/inorganik matriks hibrit malzemelerin dielektrik, elektrokinetik, elektoreolojik ve titreşim sönümlenme özelliklerinin araştırılması, Gazi University, Fen Bilimleri Enstitüsü, 2023

Postgraduate, Hydrogen-bonded layer-by-layer films of poly(d,l-lactic-co-glycolic acid)-b-poly(ethylene glycol) polymersomes and tannic acid, Middle East Technical University, Analiz ve Fonksiyonlar Teorisi, Polimer Bilim Ve Teknolojisi Anabilim Dalı (Disiplinlerarası), 2017

Research Areas

Functional Polymers, Conductive Polymers, nanocomposites, Characterization of Polymers, New Technologies in Polymer Chemistry, Polymeric Materials

Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Fakültesi, Kimya, 2023 - Continues

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 2017 - 2023

Courses

Polimerik Malzemelerin Karakterizasyonu I, Undergraduate, 2023 - 2024

Genel Kimya, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Probing effect of counterions on electric field stimuli responsive behaviours of smart organoboron-based polyelectrolytes**
ÇALIŞ İSMETOĞLU G., Cevher S. C., ÜNAL H. İ.
Reactive and Functional Polymers, vol.201, 2024 (SCI-Expanded)
- II. **Superior nanocomposites of phosphonium-based poly(ionic liquid) with halloysite and graphene oxide: Electrorheological investigations**
ÇALIŞ İSMETOĞLU G., ÜNAL H. İ.
European Polymer Journal, vol.208, 2024 (SCI-Expanded)
- III. **A comparative study of coal fly and bottom ashes as sustainable electroactive vibration damping materials**
Begen D., Çaliş İsmetoğlu G., Gumus O. Y., Ünal H. I.
ENVIRONMENTAL ENGINEERING RESEARCH, vol.29, no.4, pp.230561, 2023 (SCI-Expanded)
- IV. **Comparative investigation of iron oxide nanoparticles and microparticles using the in vitro bacterial reverse mutation and in vivo Allium chromosome aberration and comet assays**
Kizilkaya D., Ünal F., Beyzi E., Kulahci M. B., Ismetoglu G., Yuzbasioglu D., Suludere Z.
Journal of Nanoparticle Research, vol.25, no.9, 2023 (SCI-Expanded)
- V. **Surface engineering of halloysite with graphene oxide via primary and secondary forces, characterizations, and electrokinetic properties**
ÇALIŞ İSMETOĞLU G., ÜNAL H. İ.
Materials Today Communications, vol.35, 2023 (SCI-Expanded)
- VI. **Electroactively smart vibration damping suspensions of diatomite/silicone oil**
Ozdemir C., Gumus O. Y., ÇALIŞ İSMETOĞLU G., Unal H. I.
RHEOLOGICA ACTA, vol.61, pp.459-472, 2022 (SCI-Expanded)
- VII. **Investigation of vibration damping properties of electroactive polyanthracene/silicone oil dispersions**
ÇALIŞ İSMETOĞLU G., ÜNAL H. İ.
Journal of Intelligent Material Systems and Structures, vol.33, no.5, pp.641-652, 2022 (SCI-Expanded)
- VIII. **One-Pot Preparation of Electroactive Shape Memory Polyurethane/Carbon Black Blend**
Uranbey L., Ünal H. İ., Çaliş İsmetoğlu G., Gumus O. Y., Katmer S., Karataş Ç.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.30, no.3, pp.1665-1673, 2021 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Electroactive Viscoelastic Properties of Industrial Hemp/Polyanthracene Composites**
Yılmaz A., ÇALIŞ İSMETOĞLU G., COŞKUN R., ÜNAL H. İ.
IX. Polymer Science and Technology Congress with International Participation, Ankara, Turkey, 16 - 18 September 2024, pp.342
- II. **Investigation of Electrokinetic and Antimicrobial Properties of Zn-Ferrite/Chitosan Composites**
Barişan B. P., ÇABUK M., ÇALIŞ İSMETOĞLU G., ÜNAL H. İ.
IX. Polymer Science and Technology Congress with International Participation, Ankara, Turkey, 16 - 18 September 2024, pp.302
- III. **Preparation of a Smart Vibration Damping Suspension System from Industrial Hemp/Polyaniline Hybrid Composite**
Yılmaz G., ÇALIŞ İSMETOĞLU G., ÜNAL H. İ.
IX. Polymer Science and Technology Congress with International Participation, Ankara, Turkey, 16 - 18 September

2024, pp.343

- IV. **Smart Industrial Hemp Dispersions**
ÜNAL H. İ., ÇALIŞ İSMETOĞLU G., Yılmaz G., Yılmaz A., COŞKUN R.
IX. Polymer Science and Technology Congress with International Participation, Ankara, Turkey, 16 - 18 September 2024, pp.131
- V. **ELEKTROREOLOJİK TERMOPLASTİK ELASTOMER GELİŞTİRİLMESİ VE KARAKTERİZASYONU**
ÇETİNKAYA O., KATMER Ş., ÇALIŞ İSMETOĞLU G., GÜMÜŞ Ö. Y., KARATAŞ Ç., ÜNAL H. İ., ŞEKER U.
20th INTERNATIONAL CONFERENCE ON MACHINE DESIGN AND PRODUCTION, Ankara, Turkey, 14 August 2024, pp.143-144
- VI. **Electrorheological Properties of Boron Containing Polyionic Liquids**
Çalış İsmetoğlu G., Cevher Ş. C., Ünal H. İ.
The 18th International Conference on Electrorheological Fluids and Magnetorheological Suspensions, Chongqing, China, 09 June 2023
- VII. **Electrorheological Behavior of Boric Acid Doped Magnetic and Conducting Ni-Ferrite/ Chitosan Biocomposite**
Karakaya G., Çabuk M., Çalış İsmetoğlu G., Ünal H. İ.
The 18th International Conference on Electrorheological Fluids and Magnetorheological Suspensions, Chongqing, China, 09 June 2023
- VIII. **Electrorheological Properties of Phosphonium-based Polyionic Liquid and Its Composites with Halloysite and Graphene oxide**
Çalış İsmetoğlu G., Ünal H. İ.
The 18th International Conference on Electrorheological Fluids and Magnetorheological Suspensions, Chongqing, China, 09 June 2023
- IX. **Enhancement of Fire Resistant Properties of Poly(phenylene sulfide)/Graphene Composites**
Taşyürek K., ÇALIŞ İSMETOĞLU G., ÜNAL H. İ.
3th International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 24 May 2023, pp.95
- X. **Effects of Molecular Forces on the Ultimate Electroactive Smart Behaviour of HNT/GO/SO Suspensions**
ÇALIŞ İSMETOĞLU G., ÜNAL H. İ.
16th Nanoscience and Nanotechnology Conference, Ankara, Turkey, 05 September 2022
- XI. **Buhar Kazanı Yanma Atığı Küller/Poli(dimetilsiloksan) Süspansiyonların Elektroaktif Titreşim Sönümleyici Olarak Yeniden Kullanılabilirliği**
Begen D., ÇALIŞ İSMETOĞLU G., GÜMÜŞ Ö. Y., ÜNAL H. İ.
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022, pp.142
- XII. **Organo-Perlit/Kitosan-Borik Asit Biyokompozitinin Sentezi ve Elektrokinetik Özelliklerinin İncelenmesi**
ÇABUK M., Peköz İ., ÇALIŞ İSMETOĞLU G., ÜNAL H. İ., YAVUZ M.
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022, pp.138
- XIII. **Grafen Oksit ile Güçlendirilmiş Poli(antrasen) ve Halloysitin Elektroeolojik Özelliklerinin Araştırılması**
ÇALIŞ İSMETOĞLU G., ÜNAL H. İ.
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022, pp.60
- XIV. **Investigation of Vibration Damping Properties of Polyanthracene/Silicone Oil Dispersions**
ÜNAL H. İ., ÇALIŞ İSMETOĞLU G.
International Conference on Advanced Materials Science & Engineering and High Tech Devices Applications; Exhibition (ICMATSE 2020), Ankara, Turkey, 2 - 04 October 2020, pp.58-59
- XV. **Poliüretan/Karbon Siyahı Blendin Mekanik ve Reolojik Karakterizasyonu ve Şekil Hafıza Özelliklerinin Araştırılması**

Uranbey L., GÜMÜŞ Ö. Y., KATMER Ş., ÇALIŞ G., KARATAŞ Ç., ÜNAL H. İ.

31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019

XVI. **Şekil Hafızalı Poliüretan Hazırlanması ve Yapısal, Termal ve Morfolojik Karakterizasyonu**

Uranbey L., GÜMÜŞ Ö. Y., KATMER Ş., ÇALIŞ G., KARATAŞ Ç., ÜNAL H. İ.

31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019

XVII. **Çinkoborat/Poli(dimetilsiloksan) Dispersiyon Sisteminin Elektrokinetik, Dielektrik ve Elektroeolojik Özelliklerinin İncelenmesi**

ÇALIŞ G., Aydemir Z., GÜMÜŞ Ö. Y., ÜNAL H. İ.

Uluslararası katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.255

XVIII. **Hidrolitik Olarak Parçalanabilen PLGA-b-PEG Polimerzomları ve Tannik Asit İçeren Çok-Katmanlı Filmler**

ÇALIŞ İSMETOĞLU G., EREL GÖKTEPE İ.

29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017

Supported Projects

ÜNAL H. İ., ÇALIŞ İSMETOĞLU G., Project Supported by Higher Education Institutions, Endüstriyel Kenevir/Politiyofen Yeşil Hibrit Kompozitin Dielektrik Elektroeolojik ve Titreşim Sönümlenme Özelliklerinin Araştırılması, 2023 - Continues

Ünal H. İ., Çalış İsmetoğlu G., Project Supported by Other Official Institutions, İletken Polimer/ İnorganik Hibrit Malzemelerin Dielektrik, Elektrokinetik, Elektroeolojik ve Endüstriyel Titreşim Sönümlenme Özelliklerinin Araştırılması, 2020 - 2022

Scientific Refereeing

MATERIALS RESEARCH EXPRESS, Journal Indexed in SCI-E, June 2024

Metrics

Publication: 26

Citation (WoS): 18

Citation (Scopus): 21

H-Index (WoS): 3

H-Index (Scopus): 3

Non Academic Experience

University of Vienna