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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 2016 - 2021

Postgraduate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 2012 - 2015

Undergraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2010 - 2013

Undergraduate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 2008 - 2012

Dissertations

Doctorate, SPIROPRAN İÇEREN MALZEMELERİN HAZIRLANMASI VE IŞIK DUYARLILIĞI, FOTOKROMİK VE MEKANOKROMİK ÖZELLİKLERİNİN BELİRLENMESİ, Gazi University, Fen Fakültesi, Kimya Bölümü, 2021

Postgraduate, Arayüzey vasıtalı raft polimerizasyonu ile poli(4-akriloil morfolin) fırçaların sentezi ve kinetik analizi, Gazi University, Fen Fakültesi, Kimya Bölümü, 2014

Research Areas

Natural Sciences

Academic Titles / Tasks

Assistant Professor, Ankara Hacı Bayram Veli University, Polatlı Faculty Of Arts And Sciences, Department Of Chemistry, 2023 - Continues

Lecturer, Ankara Hacı Bayram Veli University, Polatlı Faculty Of Arts And Sciences, Department Of Chemistry, 2018 - Continues

Courses

LABORATUVAR GÜVENLİĞİ, Undergraduate, 2023 - 2024

POLİMER KİMYASI I, Undergraduate, 2021 - 2022

POLİMER KİMYASI II, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A facile fabrication of highly transparent, durable, anti-icing and anti-bacterial slippery coatings**
DEMİREL G., Caglar B. N., Mutlutürk E., San Kesin N. O.
Surface and Coatings Technology, vol.492, 2024 (SCI-Expanded)
- II. **Single-Material Solvent-Driven Polydimethylsiloxane Sponge Bending Actuators**
Mutlutürk E., Özbek D., Özcan O., DEMİREL G., Baytekin B.
Soft Robotics, 2024 (SCI-Expanded)
- III. **Photo- and pH-Responsive Hybrid Colloidal Particles**
Mutlutürk E., TAMER U., Caykara T.
ChemistrySelect, vol.8, no.6, 2023 (SCI-Expanded)
- IV. **Synthesis and kinetic analysis of poly(N-acryloylmorpholine) brushes via surface initiated RAFT polymerization**
Mutlutürk E., Çaykara T.
Turkish Journal of Chemistry, vol.47, no.1, pp.185-195, 2023 (SCI-Expanded)
- V. **Grafting parameters and surface free energy components of photosensitive poly(methacrylated spiropyran) brushes**
Mutlutürk E., Caykara T.
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, vol.59, no.4, pp.307-314, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Light- and Solvent-Responsive Bilayer Hydrogel Actuators with Reversible Bending Behaviors**
LİMAN G., Mutluturk E., DEMİREL G.
ACS Materials Au, vol.4, no.4, pp.385-392, 2024 (Scopus)

Books & Book Chapters

- I. **Home Functionalized Smart Nanomaterials for Point-of-Care Testing Chapter Overview of the Current Nano-Materials, Synthesis, Properties and Characterization**
Çimen Z., Mutlutürk E., Çetin Ersen B., Gencoğlu-Katmerlikaya T., Dinç S. K., San Keskin N. O., Sarı E., Dağ A., Birlik Demirel G.
in: Functionalized Smart Nanomaterials for Point-of-Care Testing , Amit Kumar Mandal, Suvankar Ghorai, Azamal Husen, Editor, Springer Nature, Berlin, pp.1-30, 2023
- II. **Overview of the Current Nano-Materials, Synthesis, Properties and Characterization**
Çimen Z., MUTLUTÜRK E., Çetin Ersen B., Gençoğlu Katmerlikaya T., DİNÇ S. K., SAN KESKİN N. O., SARI ÜZEK E., DAĞ A., DEMİREL G.
in: Functionalized Smart Nanomaterials for Point-of-Care Testing, Amit Kumar Mandal, Suvankar Ghorai, Azamal Husen, Editor, Springer, Singapore, pp.1-30, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **Preparation of Spiropran Containing Polymer Brushes and Determination of Photochromic Properties**
MUTLUTÜRK E., ÇAYKARA T.
16. Nanoscience and Nanotechnology Conference, Orta Doğu Teknik Üniversitesi, Ankara, Ankara, Turkey, 05 September 2022

Scientific Refereeing

Journal of the Turkish Chemical Society Section A: Chemistry , National Scientific Refreed Journal, December 2023

Metrics

Publication: 11

Citation (Scopus): 6

H-Index (Scopus): 2