

Personal Information

Office Phone: [+90 312 210 5125](tel:+903122105125)

Email: dcakal@metu.edu.tr

Web: <https://avesis.metu.edu.tr/dcakal>

International Researcher IDs

ScholarID: KCVzfQoAAAAJ

ORCID: 0000-0003-1656-2430

Publons / Web Of Science ResearcherID: ABA-1341-2020

ScopusID: 57200397516

Yoksis Researcher ID: 222905

Research Areas

Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of branched versus linear side chain on thieno[3,4-c]pyrrole-4,6-dione-based donor-acceptor-donor type monomers and their p- and n-dopable polymers**
Arabacı E., ÇAKAL D.
Polymer, vol.282, 2023 (SCI-Expanded)
- II. **Synthesis and Characterization of a Luminol Based Chemiluminescent Trimeric System**
Kesimal B., Balci B., Cakal D., ÖNAL A. M., Cihaner A.
Journal of Fluorescence, vol.33, no.4, pp.1525-1535, 2023 (SCI-Expanded)
- III. **Effect of phthalimide and thieno[3,4-c]pyrrole-4,6,dione acceptors on π -conjugated donor-acceptor-donor monomers: Experimental and theoretical investigations of photophysical and electrochemical properties**
ÇAKAL D., DEMİR ARABACI E., YILDIRIM E., Cihaner A., ÖNAL A. M.
Tetrahedron, vol.140, 2023 (SCI-Expanded)
- IV. **Side chain effect on the electrochemical and optical properties of thieno[3,4-c]pyrrole-4,6-dione based donor-acceptor donor type monomers and polymers**
ÇAKAL D., DEMİR ARABACI E., YILDIRIM E., CİHANER A., ÖNAL A. M.
MOLECULAR SYSTEMS DESIGN & ENGINEERING, vol.8, no.1, pp.65-78, 2023 (SCI-Expanded)
- V. **Synthesis and electropolymerization of donor-acceptor-donor type monomers based on azobenzene-substituted thieno[3,4-c]pyrrole-4,6-dione acceptors**
ÇAKAL D., CİHANER A., ÖNAL A. M.
ELECTROCHIMICA ACTA, vol.398, 2021 (SCI-Expanded)
- VI. **Polyhedral oligomeric silsesquioxanes appended conjugated soluble polymers based on thieno[3,4-c]pyrrole-4,6,dione acceptor unit**
ÇAKAL D., CİHANER A., ÖNAL A. M.
ELECTROCHIMICA ACTA, vol.377, 2021 (SCI-Expanded)
- VII. **Effect of the donor units on the properties of fluorinated acceptor based systems**
Çakal D., Akdağ A., Cihaner A., Önal A. M.

Dyes and Pigments, vol.185, 2021 (SCI-Expanded)

- VIII. **Effect of fluorine substituted benzothiadiazole on electro-optical properties of donor-acceptor-donor type monomers and their polymers**
ÇAKAL D., Ercan Y. E., ÖNAL A. M., CİHANER A.
DYES AND PIGMENTS, vol.182, 2020 (SCI-Expanded)
- IX. **Synthesis and electropolymerization of thieno[3,4-c]pyrrole-4,6-dione based donor-acceptor-donor type monomers**
ÇAKAL D., CİHANER A., ÖNAL A. M.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.862, 2020 (SCI-Expanded)
- X. **Investigation of Fluorine Atom Effect on Benzothiadiazole Acceptor Unit in Donor Acceptor Donor Systems**
Çakal D., Boztas Y., Akdağ A., Önal A. M.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.166, 2019 (SCI-Expanded)
- XI. **Electrochemical and optical properties of substituted phthalimide based monomers and electrochemical polymerization of 3,4-ethylenedioxythiophene-polyhedral oligomeric silsesquioxane (POSS) analogue**
Çakal D., Ertan S., Cihaner A., Önal A. M.
DYES AND PIGMENTS, vol.161, pp.411-418, 2019 (SCI-Expanded)
- XII. **Synthesis and electrochemical polymerization of D-A-D type monomers with thieno [3,4-c] pyrrole-4,6-dione acceptor unit**
Çakal D., Ertan S., Cihaner A., Önal A. M.
DYES AND PIGMENTS, vol.158, pp.175-182, 2018 (SCI-Expanded)
- XIII. **Electrochemical and optical properties of dicyclohexylmethyl substituted poly(3,4-propylenedioxythiophene) analogue**
Çakal D., Cihaner A., Önal A. M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, 2018 (SCI-Expanded)

Metrics

Publication: 13

Citation (WoS): 52

Citation (Scopus): 22

H-Index (WoS): 5

H-Index (Scopus): 3