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Education Information

Doctorate, University of Illinois at Urbana-Champaign, United States Of America 2012 - 2021

Postgraduate, Texas A & M University {Texas}, United States Of America 2010 - 2012

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2004 - 2009

Foreign Languages

English, C2 Mastery

Research Areas

Neural Networks, Nanotechnology, Optics and Photonics, Photonic Band Spacing Structures

Academic Titles / Tasks

Lecturer PhD, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Luminescent concentrator design for displays with high ambient contrast and efficiency**
ÇİFÇİ O. S., Yoder M. A., Xu L., Chen H., Beck C. J., He J., Koscher B. A., Nett Z., Swabeck J. K., Paul Alivisatos A., et al.
Nature Photonics, vol.17, no.10, pp.872-877, 2023 (SCI-Expanded)
- II. **The Aromatic Thermosetting Copolyester for Schottky Diode Applications in a Wide Temperature Range**
Orak I., Caldiran Z., Bakir M., Cifci O. S., Kocyigit A.
JOURNAL OF ELECTRONIC MATERIALS, vol.49, no.1, pp.402-409, 2020 (SCI-Expanded)
- III. **Perovskite/p-Si photodiode with ultra-thin metal cathode**
Cifci O. S., Kocyigit A., Sun P.
SUPERLATTICES AND MICROSTRUCTURES, vol.120, pp.492-500, 2018 (SCI-Expanded)
- IV. **Imparting optical functionality to aromatic thermosetting copolyester by luminescent silicon**

nanoparticles cross-linked via in situ thermal polymerization reaction

Kocyigit A., Bakir M., Cifci O. S., Enders B., Jasiuk I., Nayfeh M. H.

EUROPEAN POLYMER JOURNAL, vol.103, pp.351-361, 2018 (SCI-Expanded)

V. Morphological and electrical properties of ATSP/p-Si photodiode

Cifci O. S., Bakir M., Meyer J. L., Kocyigit A.

MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.74, pp.175-182, 2018 (SCI-Expanded)

VI. Diffractive Spectral-Splitting Optical Element Designed by Adjoint-Based Electromagnetic Optimization and Fabricated by Femtosecond 3D Direct Laser Writing

Xiao T. P., Cifci O. S., Bhargava S., Chen H., Gissibl T., Zhou W., Giessen H., Toussaint K. C., Yablonovitch E., Braun P. V.

ACS PHOTONICS, vol.3, no.5, pp.886-894, 2016 (SCI-Expanded)

VII. Development of a Real-Time Microchip PCR System for Portable Plant Disease Diagnosis

Koo C., Malapi-Wight M., Kim H. S., Cifci O. S., Vaughn-Diaz V. L., Ma B., Kim S., Abdel-Raziq H., Ong K., Jo Y., et al.

PLOS ONE, vol.8, no.12, 2013 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Effect of Alignment on Infrared Emissivity for Electrospun Nanofibers

Çifçi O. S.

International Conference on Advanced Materials Science & Engineering and High-Tech Devices Applications, Ankara, Turkey, 27 - 29 October 2022, pp.1-4

II. Feasibility Study of a Magnetic Mirror for Optical Sensing

ÇİFÇİ O. S.

International Conference on Advanced Materials Science & Engineering and High- Tech Devices Applications, Ankara, Turkey, 02 October 2020

III. Broadband Diffractive Element for Full Spectrum Splitting in Lateral Direction

ÇİFÇİ O. S., Xiao P. T., Chen H., Gissibl T., Zhou W., Toussaint K., Giessen H., Yablonovitch E., Braun P. V.

Materials Research Society (MRS) Spring, Phoenix, United States Of America, 28 March - 01 April 2016

Patent

ÇİFÇİ O. S., OPTICAL MICROCAVITY FOR A HIGH - CONTRAST DISPLAY, Patent, CHAPTER B Implementation of Operations; Transport, 2018

Metrics

Publication: 10

Citation (WoS): 154

Citation (Scopus): 166

H-Index (WoS): 6

H-Index (Scopus): 6