

Lect. YUSUF YILDIZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ankara Yildirim Beyazit University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 2019 - 2024

Postgraduate, Ankara Yildirim Beyazit University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 2013 - 2018

Undergraduate, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2007 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Experimental and theoretical investigation of enhanced thermoelectric performance of GaAs_{1-x}N_x alloy with Si, Ankara Yildirim Beyazit University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, 2018

Research Areas

Energy, Solar energy, Engineering and Technology

Academic Titles / Tasks

Lecturer, Ankara University, Gama Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2019 - Continues

Courses

Associate Degree

Mesleki İngilizce 1, Associate Degree, 2019 - 2020

Termodinamik ve Isı Transferi, Associate Degree, 2019 - 2020

Mesleki Matematik-1, Associate Degree, 2019 - 2020

Bilgisayar Destekli Tasarım, Associate Degree, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Developing Hybrid TiO₂-Multiwalled Carbon Nanotubes Photoanodes for Dye-Sensitized Solar Cells**
Yildiz Y., Bilen K., Atilgan A.
ENERGY TECHNOLOGY, vol.13, no.3, pp.1-15, 2025 (SCI-Expanded)
- II. **Experimental investigation of spin coating acceleration effect on the DSSC performance**
YILDIZ Y., BİLEN K., ATILGAN A.
Materials Research Express, vol.11, no.3, 2024 (SCI-Expanded)
- III. **Synergistic effect of Ga(NO₃)₃ & TiCl₄ post-treatment on photovoltaic performance of dye-sensitized solar cells**
BİLEN K., YILDIZ Y.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.129, no.4, 2023 (SCI-Expanded)
- IV. **The thermoelectric power factor enhancement of GaAs_{1-x}N_x**
Yıldız Y., Bilen K.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, no.9, pp.515-519, 2018 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **The effect of Si on thermoelectric efficiency of GaAsN alloys**
YILDIZ Y., BİLEN K., YILDIZ A., BOSI M.
Turkish Physical Society, 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.376

Metrics

Publication: 5