

Lect. NİHAL ÇETİN ACAR

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Akdeniz University, Institute of Science, Institute of Science, Turkey 2019 - Continues

Postgraduate, Akdeniz University, Institute of Science, Institute of Science, Turkey 2009 - 2014

Undergraduate, Kütahya Dumlupınar University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği, Turkey 2005 - 2009

Research Areas

Electrical and Electronics Engineering, Power Electronics, Power Converters, Engineering and Technology

Academic Titles / Tasks

Lecturer, Akdeniz University, Korkuteli Vocational School, Department of Electronics and Automation, 2018 - Continues

Research Assistant, Akdeniz University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2010 - 2014

Courses

Elektronik Güvenlik Sistemleri, Associate Degree, 2023 - 2024

Elektronik Meslek Bilgisi ve Güvenlik, Associate Degree, 2023 - 2024

Güç Elektroniği Laboratuvarı II, Undergraduate, 2023 - 2024

Elektronik I, Associate Degree, 2023 - 2024

RF Tekniği, Associate Degree, 2023 - 2024

Fiber Optik Haberleşmesi, Associate Degree, 2023 - 2024

Elektronik II, Associate Degree, 2023 - 2024

TV/Radyo Teknolojisi, Associate Degree, 2023 - 2024

Ölçme Tekniği, Associate Degree, 2023 - 2024

Endüstriyel Elektronik Uygulamaları, Associate Degree, 2023 - 2024

İş Sağlığı ve Güvenliği, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

1. Inductor based I-V curve measurement method for photovoltaic panels

Börekci S., Çetin Acar N.

Engineering Research Express, vol.6, no.1, pp.1-8, 2024 (SCI-Expanded)

II. Design and Implementation of A LED Driver Circuit with Dimming Function without Burst Mode at Constant Switching Frequency

Börekci S., Çetin Acar N., Özdem Ş., Kırçay A.

LIGHT AND ENGINEERING, vol.31, no.6, pp.58-63, 2023 (SCI-Expanded)

III. LED dimming technique without frequency and pulse width modulations

BÖREKÇİ S., Acar N. C., Kircay A.

INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, vol.46, no.11, pp.2028-2037, 2018 (SCI-Expanded)

IV. HIGH-BRIGHTNESS AND LOW-COST LED DRIVER - DC OR AC?

BÖREKÇİ S., Acar N. C.

ELECTRONICS WORLD, vol.121, no.1950, pp.34-36, 2015 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Magnetically Dimmable Half Bridge Current Fed LED Driver

ÇETİN ACAR N.

ADVANCES in ROBOTICS, MECHATRONICS and CIRCUITS, Santorini, Greece, 21 - 24 July 2014, pp.150-154

II. An Accurate Way of Determining BJT's Switching Loss in Medium and High Voltage Applications

BÖREKÇİ S., Çetin Acar N.

2012 IEEE International Conference on Electronics Design, Systems and Applications, Kuala Lumpur, Malaysia, 5 - 06 November 2012, pp.210-213

Metrics

Publication: 6

Citation (WoS): 5

Citation (Scopus): 7

H-Index (WoS): 1

H-Index (Scopus): 1