

Personal Information

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Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Elektrik-Elektronik Mühendisliği, Turkey 2012 - 2016

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2008 - 2011

Undergraduate, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2004 - 2008

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Electrical and Electronics Engineering, Electronic, Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Circuit Theory, Electronic Circuits, Passive Circuit Components, Cables, Switches and Connectors, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2012 - 2016

Research Assistant, Erzincan Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2010 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Floating memristor emulator with subthreshold region**
Babacan Y., Kacar F.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, vol.90, no.2, pp.471-475, 2017 (SCI-Expanded)
- II. **A spiking and bursting neuron circuit based on memristor**
Babacan Y., Kacar B., Gurkan K.
NEUROCOMPUTING, vol.203, pp.86-91, 2016 (SCI-Expanded)
- III. **Modeling and Suppression of Chaotic Ferroresonance in a Power System by Using Memristor-based System**
Uzunoglu C. P., Babacan Y., Kacar F., Ugur M.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.44, no.6, pp.638-645, 2016 (SCI-Expanded)
- IV. **A new DDCC based memristor emulator circuit and its applications**
Yesil A., Babacan Y., Kacar F.
MICROELECTRONICS JOURNAL, vol.45, no.3, pp.282-287, 2014 (SCI-Expanded)

Books & Book Chapters

- I. **Memristör Modelleri ve Uygulamaları**
BABACAN Y., KAÇAR F.
Lambert Academic, İstanbul, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Harmonic Generation Analyses of Memristor with Different Barriers and Neuron**
BABACAN Y., KAÇAR F.
International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), Antalya, Turkey, 12 - 16 October 2015, pp.226-227

Supported Projects

KAÇAR F., ÖZÇELEP Y., BABACAN Y., GÜRKAN K., KONAL M., Project Supported by Higher Education Institutions, Design and experiment of VDCC based voltage mode universal filter, 2017 - 2017
KAÇAR F., KONAL M., BABACAN Y., YEŞİL A., Project Supported by Higher Education Institutions, Biyomedikal İşaretlerin İşlenmesi için Düşük Gerilimle Çalışan ve Düşük Güç Tüketen Devrelerin Tasarımı, 2016 - 2016

Scientific Refereeing

IEEE Transactions on Neural Networks and Learning Systems , SCI Journal, September 2016

Metrics

Publication: 6
Citation (WoS): 134
Citation (Scopus): 129
H-Index (WoS): 4
H-Index (Scopus): 4

Congress and Symposium Activities

International Conference on Computational and Experimental Science and Engineering, Attendee, Antalya, Turkey, 2015
Ulusal Nanoteknoloji Konferansı, Attendee, İstanbul, Turkey, 2011

Scholarships

2214 Doktora Sırası Araştırma Burs Programı, TUBİTAK, 2016 - Continues