

Asst. Prof. Mesut ATASOYU

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2020

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2012 - 2014

Undergraduate, Ataturk University, Mühendislik Fakültesi, Turkey 2005 - 2009

Research Areas

Electronic, Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Electronic Circuits, Nanotechnology

Academic Titles / Tasks

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2022 - Continues

Research Assistant, Istanbul Technical University, 2012 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Emulation of a constant phase element by utilizing a lattice structure based fractional-order differentiator**
Rezazadehshabilouyoliya V., Atasoyu M., Ozoguz S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.127, 2020 (SCI-Expanded)
- II. **Sensing schemes for STT-MRAMs structured with high TMR in low RA MTJs**
Atasoyu M., Altun M., Özoğuz İ. S.
MICROELECTRONICS JOURNAL, vol.89, pp.30-36, 2019 (SCI-Expanded)
- III. **Simple realization of a third order Butterworth filter with MOS-only technique**
Atasoyu M., Metin B., Kuntman H., Cicekoglu O.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.81, pp.205-208, 2017 (SCI-Expanded)
- IV. **New Current-Mode Class 1 Frequency-Agile Filter for Multi Protocol GPS Application**
Atasoyu M., Metin B., Kuntman H., Herencsar N.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.21, no.5, pp.35-39, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **THE COGNITIVE MODELS USING OSCILLATORY NEURAL NETS**
ATASOYU M., ÖZOĞUZ İ. S.
The Journal of Cognitive Systems, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Inverter based OTA Design Using gm/ID Transistor Sizing Technique**
ATASOYU M.
2021 29th Signal Processing and Communications Applications Conference (SIU), İstanbul, Turkey, 09 June 2021
- II. **Inversion Coefficient Design Methodology for the Design of Inverter based OTA**
ATASOYU M.
INTERNATIONAL SYMPOSIUM ON APPLIED SCIENCES AND ENGINEERING, Erzurum, Turkey, 7 - 09 April 2021
- III. **Inverter based OTA Design for Second-Order Gm-C filters**
ATASOYU M.
INTERNATIONAL SYMPOSIUM ON APPLIED SCIENCES AND ENGINEERING, Erzurum, Turkey, 7 - 09 April 2021
- IV. **A Tunable Immitance Simulator with a Voltage Differential Current Conveyor**
METİN B., ATASOYU M., ARSLAN E., Herencsar N., ÇİÇEKOĞLU M. O.
60th International Midwest Symposium on Circuits and Systems, 6 - 09 August 2017
- V. **Design of a power output unit for HF transmitters**
Osman P., ÖZOĞUZ İ. S., Aydın O., ATASOYU M.
2017 40th International Conference on Telecommunications and Signal Processing (TSP), Barcelona, Spain, 5 - 07 July 2017
- VI. **Spin-torque memristor based offset cancellation technique for sense amplifiers**
ATASOYU M., ALTUN M., ÖZOĞUZ İ. S., Roy K.
2017 14th International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD), Giardini Naxos, Italy, 12 - 15 June 2017
- VII. **Design of current mode class 1 frequency agile filter employing CDTAs**
ATASOYU M., METİN B., KUNTMAN H. H., ÇİÇEKOĞLU M. O.
2015 European Conference on Circuit Theory and Design (ECCTD), Trondheim, Norway, 24 - 26 August 2015
- VIII. **Frequency agile filter structure improved by MOS only technique**
ALAYBEYOĞLU E., ATASOYU M., KUNTMAN H. H.
2015 38th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 9 - 11 July 2015
- IX. **GPS Uygulamaları için OTA Tabanlı Frekans Atik Süzgeç Yapısı**
ATASOYU M.
ELECO 2014, Turkey, 27 - 28 November 2013
- X. **Reconfigurable filter structure designed for different positioning systems**
ATASOYU M.
2014 International Conference on Applied Electronics, Pilsen, Czech Republic, 9 - 10 September 2014
- XI. **Farklı GPS protokolleri için Düşük Güçlü Atik Süzgeç Uygulaması**
ATASOYU M.
2014 22nd Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, Turkey, 23 - 25 April 2014, pp.630-633

Supported Projects

Altun M., H2020 Project, Synthesis and Performance Optimization of a Switching Nano-Crossbar Computer, 2015 - 2019

Metrics

Publication: 16

Citation (WoS): 33

Citation (Scopus): 61

H-Index (WoS): 5

H-Index (Scopus): 6