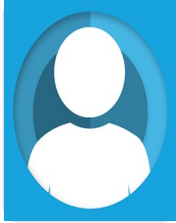




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h-index (Scopus):
3

Citations (Scopus):
127

Supervised MSc Theses

#	Thesis title	By	Date
1	A readout IC design with self-heating cancellation for uncooled microbolometers	Farzad Ordubadi Veyjuyeh & Mohsen Moezzi	October 2021
2	Phase noise improvement in class-F oscillators	Mohammadbagher Ghiasi & Mohsen Moezzi	October 2021
3	Design and analysis of a continuous mode power amplifier with concurrent operation at two frequency bands	Mohammad Hassan Nozari & Mohsen Moezzi	March 2021
4	design of a transmitter for data transmission and reception to/from an implantable device based on an impulse radio system	Meysam Moradi & Mohsen Moezzi	June 2020
5	Design of CMOS Integrated circuit for behavioral modeling of spiking neural network basic-cells	Shohreh Tir & Mohsen Moezzi	February 2020
6	Design & Simulation of RF Energy Harvesting Circuit for Powering Sensors Used in Wireless Sensor Networks	Keyvan Farhang Razi & Mohsen Moezzi	September 2019
7	Title: Design and simulation of the vibrational gyroscope readout circuit with Quadrature error compensation	Siamak Zargari & Mohsen Moezzi	September 2019
8	Design a Metastability Based True Random Number Generator Circuit	Farzane Johari & Mohsen Moezzi	May 2019
9	A Low-Noise Readout Front-End IC for Uncooled Infrared Microbolometer Arrays	Alireza Mosavi & Mohsen Moezzi	February 2019
10	The phase noise reduction of class-c oscillator by improving the resonator structure	Saman Sheikh Ahmadi & Mohsen Moezzi	October 2018

11	Design of 2-18 GHz Detector Log video Amplifier (DLVA)	Sayed Davoud Miri & Mohsen Moezzi	July 2018
12	Design of an 0.18 μ m CMOS 6-bits Active Phase Shifter for S-band	Mahdi Momeni & Mohsen Moezzi	February 2018

Journal Papers

Portal Records



- 1 Saman Sheikh Ahmadi, Mohsen Moezzi, Hassan Ghafori Fard, "A Low Phase Noise Class-C Oscillator with Improved Resonator and Robust Start-Up", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS, June 2020 Vol. 0, Num. 0, Page 0-0, June 2020,
- 2 Alireza Mosavi, Mohsen Moezzi, "A mismatch compensated readout IC for an uncooled microbolometer infrared FPA", AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, May 2020 Vol. 123, Num. 0, Page 153263-153269, May 2020,
- 3 Shohreh Tir, Majid Shalchian, Mohsen Moezzi, "Design of bioinspired tripartite synapse analog integrated circuit in 65nm CMOS Technology", Journal of Computational Electronics, May 2020 Vol. 0, Num. 0, Page 0-0, May 2020,
- 4 Siamak Zargari, Mohsen Moezzi, "Closed-Loop Compensation of the Quadrature Error in MEMS Vibratory Gyroscopes", AUT Journal of Electrical Engineering, January 2020 Vol. 0, Num. 0, Page 0-0, January 2020,
- 5 Mahdi Momeni, Mohsen Moezzi, "A low loss RC I/Q generator for vector-sum applications", AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, August 2019 Vol. 110, Num. 1, Page 152852-152857, August 2019,
- 6 Mahdi Momeni, Mohsen Moezzi, "A Low Loss and Area Efficient RC Passive Poly Phase Filter for Monolithic GHz Vector-Sum Circuits", IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS, November 2018 Vol. 0, Num. 0, Page 1-1, November 2018,




Conference Papers

Portal Records

- 1 Sayed Davoud Miri, Mohsen Moezzi, "An Ultra Wideband Low Power Detector Logarithmic Video Amplifier in 0.15 μ m GaAs ", 27th Iranian Conference on Electrical Engineering, April 2019
- 2 Saman Sheikh Ahmadi, Hassan Ghafori Fard, Mohsen Moezzi, "A Low Phase Noise Class-C Oscillator Using an Improved Resonator ", 27th Iranian Conference on Electrical Engineering, April 2019
- 3 , Mohsen Moezzi, "Design, Simulation and Feasibility of Building an Energy Transfer System using RF Waves For Remote Charging of Electronic Devices ", 27th Iranian Conference on Electrical Engineering, April 2019

Taught Courses

#	Course title	Description	Headlines	Date
1	Electronics (I)	This course familiarizes students with study of diodes and transistors. The main focus of the course is on diode applications and basic transistors circuits.		Fall 2021
2	Integrated Filters	The purpose of this graduate level course is to utilize these two backgrounds and help students to design integrated analog filters such as Switched-Capacitor Filters, Active-RC filters, Gm-C filters. The students will get a full exposure to practica		Fall 2021

3	Optical integrated circuits	The purpose of this graduate level course is to address the need for dealing with the analysis and design of integrated circuits (ICs) for optical communication systems and will prove useful to both graduate students and practicing engineers.		Spring 2021
4	Electronics (II)	This course familiarizes students with study and design of differential amplifiers, feedback and power amplifier schemes. The main focus of the course is on low frequency discrete analog design		Spring 2021
5	Electronics (I)	This course familiarizes students with study of diodes and transistors. The main focus of the course is on diode applications and basic transistors circuits.		Fall 2020