

# Subject: *[Electronics]* Most Notable Articles (December 2020–February 2021)



*electronics*

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## Most Notable Articles (December 2020–February 2021)

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New CMOS Devices and Their Applications  
**One-Transistor Dynamic Random-Access Memory Based on Gate-All-Around Junction-Less Field-Effect Transistor with a Si/SiGe Heterostructure**  
Young Jun Yoon et al.

Reliability Assessment and Modeling of Optical and Semiconductor Devices  
**LTPS TFTs with an Amorphous Silicon Buffer Layer and Source/Drain Extension**  
Hye In Kim et al.

Applications of Thin Films in Microelectronics  
**Electrical Performance and Stability Improvements of High-Mobility Indium–Gallium–Tin Oxide Thin-Film Transistors Using an Oxidized Aluminum Capping Layer of Optimal Thickness**  
Hyun-Seok Cha et al.

Microwave and Wireless Communications  
**Brooadband RF Phased Array Design with MEEP: Comparisons to Array Theory in Two and Three Dimensions**  
Jordan C. Hanson

10th Anniversary of Electronics: Recent Advances in Computer Science & Engineering  
**Muon–Electron Pulse Shape Discrimination for Water Cherenkov Detectors Based on FPGA/SoC**  
Luis Guillermo Garcia et al.

AI-Based Transportation Planning and Operation  
**Estimating Micro-Level On-Road Vehicle Emissions Using the K-Means Clustering Method with GPS Big Data**  
Hyejung Hu et al.

Microelectronics and Optoelectronics  
**A Compact and Robust Technique for the Modeling and Parameter Extraction of Carbon Nanotube Field Effect Transistors**  
Laura Falaschetti et al.

Evolutionary Machine Learning for Nature-Inspired Problem Solving  
**Data Analytics and Mathematical Modeling for Simulating the Dynamics of COVID-19 Epidemic—A Case Study of India**  
Himanshu Gupta et al.

Ubiquitous Sensor Networks  
**Low-Cost Distributed Acoustic Sensor Network for Real-Time Urban Sound Monitoring**  
Ester Vidaña-Vila et al.

10th Anniversary of Electronics: Advances in Circuit and Signal Processing  
**Circuit Model and Analysis of Molded Case Circuit Breaker Interruption Phenomenon**  
Kun-A Lee et al.

Data according to Altmetric, a service collecting metrics and qualitative data that are complementary to traditional, citation-based metrics.

## Call for Papers

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### Emerging Internet of Things Solutions and Technologies

edited by Franco Cicirelli, Antonio Guerrieri,  
Carlo Mastroianni and Andrea Vinci  
submission deadline **31 March 2021**



### Smart Processing for Systems under Uncertainty or Perturbation

edited by Sanghyuk Lee, Mihail Popescu and  
Eneko Osaba  
submission deadline **9 April 2021**

## Electronics 2021 Best Paper Awards for Women

Winner announcement date: 31 March 2022

Journal Awards

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