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A Novel Three-Input XOR Gate Based on Quantum Dot-Cellular Automata with Power Dissipation Analysis

Ismail Gassoumi, Lamjed Touil and Abdellatif Mtibaa

Laboratory of Electronics and Microelectronics, University of Monastir, Monastir, Tunisia

Retraction of: Gassoumi I, Touil L, Mtibaa A. A Novel Three-Input XOR Gate Based on Quantum Dot-Cellular Automata with Power Dissipation Analysis. In: Zhao Y., editor. Quantum Computing and Communications [Internet]. London: IntechOpen; 2022. Available from: <https://www.intechopen.com/chapters/74712> doi: 10.5772/intechopen.95554

Date of retraction: March 24th, 2022

The publisher is retracting the Chapter [1] following an internal investigation which revealed issues with the content of the Chapter in regard to a breach of publishing ethics and suspicion of plagiarism.

A 3rd party reported that the topic of the chapter was appropriated and plagiarized from an unpublished manuscript originally submitted to International Journal of Numerical Modelling: Electronic Networks, Devices, and Fields (IJNM) in Jan 2020. The unpublished manuscript was titled "Design of Ultra-efficient Ripple Carry Adders in Quantum-dot Cellular Automata", authored by Seyed-Sajad Ahmadpour et al.

The publisher conducted a follow-up inspection which confirmed these suspicions. Academic Editor Dr. Yongli Zhao compared both works (the published chapter and the unpublished manuscript) and concluded that their topics are largely the same, confirming the case of plagiarism. Dr. Zhao's recommendation was retraction.

The publisher also contacted the representatives of IJNM. The representatives likewise identified the similarity of the Chapter with the unpublished manuscript from 2020. The publisher hereby acknowledges the assistance of IJNM representatives in aiding the investigation.

The publisher has indubitably confirmed there has been a breach of publishing ethics as a result of academic misconduct on the part of the authors, and has consequently retracting the Chapter.

This retraction notice is published in agreement with the authors.

The publisher regrets any inconvenience this might have caused to the readership.

References

[1] Gassoumi I, Touil L, Mtibaa A. A Novel Three-Input XOR Gate Based on Quantum Dot-Cellular Automata with Power Dissipation Analysis. In: Zhao Y., editor. Quantum Computing and Communications [Internet]. London: IntechOpen; 2022. Available from: <https://www.intechopen.com/chapters/74712> doi: 10.5772/intechopen.95554