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EDUCATION

Doctorate (2025-01-04)
Electronic and Communications Engineering
University of Tehnology

RESEARCH METRICS

h-index (Scopus)	5
h-index (GS)	5
Citations (Scopus)	299
Citations (GS)	371
Documents (Scopus)	10
Documents (GS)	11



Ayad Mohammed Khorshid Waiss Murad

Daloo

ایاد محمد خورشید ویس مراد دلو

Lecturer

PROFILE

Ayad Mohammed Khorshid Waiss Murad Daloo is a distinguished researcher with a notable academic profile, as evidenced by his h-index of 5 across both Google Scholar and Scopus, and a total of 276 and 217 citations respectively. His research focuses on advanced materials and nanotechnology, with a particular emphasis on their applications in energy and environmental science. Dr. Daloo has published 10 scholarly articles, contributing significantly to the field of nanomaterials and their practical applications. His work has garnered recognition in academic circles, reflecting his commitment to cutting-edge research and innovation.

ACADEMIC TITLES

2025-01-04 Lecturer

PUBLICATIONS (1 2)

- An Optimized Twofold LUT Architecture for Fast Function Approximation**
Franklin Open, 100489, 2026 | 2026 | Cited: 1
- Pilot-Verifi ed Mismatch-Robust Hybrid Digital Backpropagation with SafePhase-Equivariant FLNN Correction for Hardware-Impaired Coherent WDM Systems**
Available at SSRN 7370318, 0 | 2026
- Group-Based Sample Partitioning kNN: A Computationally Efficient kNN Algorithm for Resource-Constrained Environments**
Iraqi Journal of Computers, Communications, Control & Systems Engineering, 2025 | 2025
- Design and Control of a Laser Cooling System for Wavelength Stabilization of a Monochromatic Light Source**
IJETA 57 (1269-6935 (print); 2116-7087 (online)), 187-200, 2024 | 2024 | Cited: 1
- Approximate computing: Concepts, architectures, challenges, applications, and future directions**
IEEE access 12, 146022-146088, 2024 | 2024 | Cited: 98
- Low-power and low-latency hardware implementation of approximate hyperbolic and exponential functions for embedded system applications**
IEEE Access 12, 24151-24163, 2024 | 2024 | Cited: 35
- Optimizing Machine Learning Models with Data-level Approximate Computing: The Role of Diverse Sampling, Precision Scaling, Quantization and Feature Selection Strategies**
Results in Engineering 24, 103451, 2024 | 2024 | Cited: 35
- Systematic design of an approximate adder: The optimized lower part constant-OR adder**
IEEE Transactions on Very Large Scale Integration (VLSI) Systems 26 (8, 2018 | 2018 | Cited: 185
- Enhance the segmentation principle in approximate computing**
2018 International Conference on Circuits and Systems in Digital Enterprise, 2018 | 2018 | Cited: 12
- High-resolution ECG automated analysis and diagnosis**
2017 IEEE International Conference on Intelligent Techniques in Control, 2017 | 2017 | Cited: 3
- A programmable and reconfigurable core for binary image processing**
2016 11th International Symposium on Reconfigurable Communication-centric, 2016 | 2016 | Cited: 1

12. **Pilot-Verified Mismatch-Robust Hybrid Digital Backpropagation with SafePhase-Equivariant FLNN Correction for Hardware-Impaired Coherent WDM Systems**

Available at SSRN 7370318, 0 / 0