Basic Information :

Name :	Mostafa Mohamed Salaheldin Abdelkhalek
Title :	lecturer

Mostafa Mohamed Salah El Dein
Born on October 1, 1991

Education:

Certificate	Major	University	Year
PhD			2023
Masters			2019
Bachelor			2013

Teaching Experience:

Name Of Organization	Position	From Date	To Date
FUE	Teaching Staff Member	01/10/2013	Current

Researches / Publications :

- Investigation of Polymer/Si Thin Film Tandem Solar Cell Using TCAD Numerical Simulation
- Electronic Properties, Linear and Nonlinear Performance of KAgCh (Ch = S, Se) Compounds: A First-Principles Study
- Analytical Design of Optimal Model Predictive Control and Its Application in Small-Scale Helicopters
- First-Principles Studies on the Physical Properties of the Half Heusler RbNbCd and RbNbZn Compounds: A Promising Material for Thermoelectric Applications
- A New Self-Tuning Deep Neuro-Sliding Mode Control for Multi-Machine Power System Stabilizer
- A Comprehensive Review on Recent Advancements in Absorption-Based Post Combustion Carbon Capture Technologies to Obtain a Sustainable Energy Sector with Clean Environment
- Metal Oxide Nanosheet: Synthesis Approaches and Applications in Energy Storage Devices (Batteries, Fuel Cells, and Supercapacitors)
- Numerical Simulation and Optimization of Inorganic Lead-Free Cs3Bi2I9-Based Perovskite Photovoltaic Cell: Impact of Various Design Parameters
- A Comprehensive First-Principles Investigation of SnTiO3 Perovskite for Optoelectronic and Thermoelectric Applications
- Device Modeling of Efficient PBDB-T:PZT-Based All-Polymer Solar Cell: Role of Band Alignment
- Investigation of High-Efficiency and Stable Carbon-Perovskite/Silicon and Carbon-Perovskite/CIGS-GeTe Tandem Solar Cells
- Design and Simulation of ETL-Free Perovskite/Si Tandem Cell With 33% Efficiency
- Simulation of High open-circuit voltage Perovskite/CIGS-GeTe tandem cell
- Investigation of Electron Transport Material-Free Perovskite/CIGS Tandem Solar Cell
- Analysis of an Efficient ZnO/GeTe Solar Cell Using SCAPS-1D
- High-Efficiency Electron Transport Layer-Free Perovskite/GeTe Tandem Solar Cell: Numerical Simulation
- On the Investigation of Interface Defects of Solar Cells: Lead-Based vs Lead-Free Perovskite
- High Efficiency Tandem Perovskite/CIGS Solar Cell
- A comprehensive simulation study of hybrid halide perovskite solar cell with copper oxide as HTM

A comparative study of different ETMs in perovskite solar cell with inorganic copper iodide as HTM