

قسم الهندسة الكهربائية

Sn.	اسم الباحث	عنوان البحث أو المشروع	Journal Name
1	Osama ElBaksawy	Whale Optimization Algorithm for Maximum Power Point Tracker for Controlling Induction Motor Driven by Photovoltaic System	WSEAS Transactions on Power Systems
2	Ahmed Fathy, Osam ElBaksawy	Grasshopper optimization algorithm for extracting maximum power from wind turbine installed in Al-Jouf region	J. Renewable Sustainable Energy
3	Osam ElBaksawy	Design of Photovoltaic System Using Buck-Boost Design of Photovoltaic System Using Buck-Boost Converter based on MPPT with PID Controller	Universal Journal of Electrical and Electronic Engineering
4	Nasr Rashid, Osama I. Elhamrawy	Wireless Technologies and Process Automation	International Journal of Recent Technology and Engineering
5	Mohamed Adel	Point of common coupling power factor conditioning of connected loads with PWM rectifier	WSEAS Transactions on Power Systems
6	Ahmed Ben Atitallah	FPGA-based implementation of intra prediction module for HEVC decoder	International Journal of Recent Technology and Engineering (IJRTE)
7	Ahmed Ben Atitallah	Case study of an HEVC decoder application using high-level synthesis: intraprediction, dequantization, and inverse transform blocks application using high-level synthesis: intraprediction, dequantization, and inverse transform blocks	Journal of Electronic Imaging
8	Ahmed Ben Atitallah	An optimized FPGA design of inverse quantization and transform for HEVC decoding blocks and validation in an SW/HW environment	Turkish Journal of Electrical Engineering & Computer Sciences
9	Ahmed Fathy	Recent Coyote Algorithm-Based Energy Management Strategy for Enhancing Fuel Economy of Hybrid FC/Battery/SC System	IEEE ACCESS
10	Ahmed Fathy	Optimal parameter identification of triple-junction photovoltaic panel based on enhanced moth search algorithm	Energy
11	Ahmed Fathy	A novel statistical performance evaluation of most modern optimization-based global MPPT techniques for partially shaded PV system	Renewable and Sustainable Energy Reviews
12	Ahmed Fathy	Robust hydrogen-consumption-minimization strategy based salp swarm algorithm for energy management of fuel cell/super capacitor/batteries in highly fluctuated load condition	Renewable Energy
13	Ahmed Fathy	Maximizing SOFC performance through optimal parameters identification by modern optimization algorithms	Renewable Energy
14	Ahmed Fathy	Antlion optimizer-ANFIS load frequency control for multi-interconnected plants comprising photovoltaic and wind turbine	ISA Transactions
15	Ahmed Fathy	An Effective Energy Management Strategy for Hybrid Fuel Cell/Super capacitor/Batteries Electric Power System	Energies

16	Ahmed Fathy	The Application of Water Cycle Optimization Algorithm for Optimal Placement of Wind Turbines in Wind Farms	Energies
17	Ahmed Fathy	An Effective Energy Management Strategy Based on Mine-Blast Optimization Technique Applied to Hybrid PEMFC/Super capacitor/Batteries System	Energies
18	Ahmed Fathy, Abdullah Alharbi	A novel approach based on hybrid vortex search algorithm and differential evolution for identifying the optimal parameters of PEM fuel cell	Renewable Energy
19	Zaki Ahmed Zaki	A Numerical Method for Solving Nonlinear Equations Arising in Astrophysics	International J. of Recent Technology and Engineering (IJRTE)
20	Ayman A. Althuwayb	3-D-Printed Dielectric Resonator Antenna Arrays Based on Standing-Wave Feeding Approach	IEEE Antennas and Wireless Propagation Letters
21	Mohamed Adel Ahmed	Point of Common coupling Power factor conditioning of connected loads with PWM Rectifier	WSEAS TRANSACTIONS on POWER SYSTEMS
22	Hegazi M. Ibrahim	Improving quality of service for internet protocol television and voice over internet protocol over long-term evolution networks	International Journal of Communication Networks and Distributed Systems
23	Osama Elbaksawy	Design of Photovoltaic System Using Buck-Boost Converter based on MPPT with PID Controller	Universal Journal of Electrical and Electronic Engineering
24	Nasr Rashid, Osama I. Elhamrawy	Wireless Technologies and Process Automation	International J. of Recent Technology and Engineering (IJRTE)
25	Emad M. Ahmed, Abdullah Alharbi	A simplified phase-shift PWM-based feedforward distributed MPPT method for grid-connected cascaded PV inverters	Solar Energy
26	Emad M. Ahmed, Abdullah Alharbi	SMES-Based Fuzzy Logic Approach for Enhancing the Reliability of Microgrids Equipped With PV Generators	IEEE ACCESS
27	Emad M. Ahmed	Low operational cost distributed prioritized coordinated control for DC microgrids	IET smart grid
28	Emad M. Ahmed	Wind driven optimization algorithm based global MPPT for PV system under non-uniform solar irradiance	Solar Energy
29	Emad M. Ahmed	Modulation method for improving reliability of multilevel T-type inverter in PV systems	IEEE Journal of Emerging and Selected Topics in Power Electronics
30	Emad M. Ahmed, Abdullah Alharbi	Multifunctional Distributed MPPT Controller for 3P4W Grid-Connected PV Systems in Distribution Network with Unbalanced Loads	Energies
31	Emad M. Ahmed	Multi-input ėuk-derived buck-boost voltage source inverter for photovoltaic systems in microgrid applications	Energies
32	Abdullah Alharbi	Ternary Functions Design Using Memristive Threshold Logic	IEEE ACCESS
33	Abdullah Alharbi	High performance selective buried double gate power MOSFET	Semiconductor Science and Technology
34	Abdullah Alharbi	Investigating a Dual MOS-CAP Variant of Line-TFET With Improved Vertical Tunneling incorporating FIQC Effect	IEEE Transactions on Electron Devices

قسم الهندسة الميكانيكية

Sn.	اسم الباحث	عنوان البحث أو المشروع	Journal Name
1	Mohamed Bashir Ali bashir	Enhancement of thermoelectric properties of Co ₄ Sb ₁₂ Skutterudite by Al and La double filling	Journal of Solid State Chemistry
2	Ahmed Ghazy	Influence of the Fabric Properties on the Protective Performance of Flame Resistant Clothing during the Body Movement	Springer
3	Ahmed Ghazy	On the Protective Performance of Firefighters' Garments: Air Gaps Between Fabric Layers	Springer
4	Ahmed M. Soliman	Experimental and Economical Analysis of an Autonomous Renewable Power Supply System for Water Desalination and Electric Generation	Modern Applied Science
5	Ahmed M. Soliman	Performance of a beta Stirling refrigerator with tubular evaporator and condenser having inserted twisted tapes and driven by a solar energy heat engine	Renewable Energy
6	Mahmoud Abdelfatah, Ahmed Ghazy	Combustion experimental study of used motor oil and Diesel oil in circulating fluidized bed	Combustion Research Journal

Sn.	اسم الباحث	عنوان البحث أو المشروع	Journal Name
1	Ali Masria	Hydro-morphological modeling to characterize the adequacy of jetties and subsidiary alternatives in sedimentary stock rationalization within tidal inlets of marine lagoons	Applied Ocean Research
2	Ali Masria	Effect of Cut off Position and Inclination on Seepage Characteristics under Heading-up Structure Using Differential Quadrature Element Method	international Journal of Scientific & Engineering Research -JSER
3	Abdelhalim M. Azam	Evaluation of asphalt mixtures modified with polymer and wax	Springer
4	Abdelhalim M. Azam	Resilient Behavior of Sodium Alginate–Treated Cohesive Soils for Pavement Applications	Journal of Materials in Civil Engineering
5	Abdelhalim M. Azam	Waste materials and by-products as mineral fillers in asphalt mixtures	Springer
6	Mahmoud Samir El-kady	Stabilizing soft clay using geo-foam beads and cement bypass dust	Underground Space
7	Wassef Ounaies	Geotechnical Impacts of Energy Piles	International Journal of Civil Engineering
8	Ahmed M. Yosri	Structural performance of laminated composite thin-walled beams under four-point bending	Springer