

## قائمة بالابحاث العلمية لقسم الهندسة الكهربائية

التاريخ	مكان النشر	عنوان البحث	اسم الباحث	م
2018	Journal of Computational Electronics	Ambipolar Leakage suppression in Electron-Hole Bilayer TFET: Investigation and Analysis	Abdullah G. Alharbi	1
2018	Superlattices and Microstructures	Polarization Engineered Enhancement Mode GaN HEMT: Design and Investigation		
2018	2018 5th International Conference on Electrical and Electronics Engineering (ICEEE 2018), Istanbul, Turkey	Impact of Interface Traps on the BTBT-current in Tunnel Field Effect Transistors		
2017	IEEE Journal of the Electron Devices Society	Electrostatically Doped DSL Schottky Barrier MOSFET on SOI for Low Power Applications		
2017	IEEE Access	Electrical Nonlinearity Emulation Technique for Current-Controlled Memristive Devices		
2017	IET Circuits, Devices & Systems	Hybrid AlGaIn/GaN high-electron mobility transistor: design and simulation		
2017	Journal of Nanoelectronics and Optoelectronics	Design, Simulation and the Comparative Analysis of Carbon Nanotube Field Effect Transistors Based Multistage Operational Amplifiers.		
2017	2017 29th International Conference on Microelectronics (ICM), Beirut	BPSK modulation based exact BER computation for network intra-chip RF interconnect		
2017	8th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON),	A junctionless inverted-TFET with increased ON-current and reduced ambipolarity		
2017	9th IEEE-GCC Conference and Exhibition (GCCCE), Bahrain	Capacity of Gaussian MIMO Channel for Network Intra-Chip RF Interconnect		
2017	9th IEEE-GCC Conference and Exhibition (GCCCE), Bahrain	Polarization Engineered Enhancement Mode High Breakdown Voltage GaN CAVET		
2016	IEEE 59th International Midwest Symposium on Circuits and Systems (MWSCAS), Abu Dhabi,	Simple generic memristor emulator for voltage-controlled models		
2015	IEEE 58th International Midwest Symposium on Circuits and Systems (MWSCAS), Fort Collins, CO, 2015, USA	Memristor emulator based on practical current controlled model,		
2015	IEEE International Conference on Electronics, Circuits, and Systems (ICECS), Cairo	A novel memristor emulator based only on an exponential amplifier and CCII+		
2015	IEEE International Conference			

	on Electronics, Circuits, and Systems (ICECS), Cairo, 2015	A new simple emulator circuit for current controlled memristor		
2015	27th International Conference on Microelectronics (ICM), Casablanca, 2015	Memristor emulator based on single CCII		
2016	International Journal of Computer Science and Information Security	Throughput Comparison in Multiple Indoor Environments International IEEE 802.11ac Vs IEEE 802.11n:	<b>DR. Omer Mohsin Mubarak</b>	2
2017	Conference Proceedings of International Engineering Conference and Exhibition	Review of satellite navigation - Trends and challenges Conference Proceedings of International Engineering Conference and Exhibition 2017		
2017	Wireless Personal Communication (Springer Science- Business Media New York 2017)	QoS Based IPTV Over Mobile WiMAX Networks	<b>DR. Hegazi Ibrahim</b>	3
2018	12th International Conference on Computer Engineering and Systems (ICCES) – IEEE XPLORE	Performance Evaluation for Video Streaming Data over LTE-A Networks		
2018	International Journal of Scientific & Engineering Research (IJSER)	Studying the Performance of Streaming Data over LTE-A Networks based on HARQ Mechanism		
2017	Journal of Multidisciplinary Engineering Science and Technology (JMEST) Vol. 4 Issue 7	Impact of Photovoltaic Generation on The Power System Stability	<b>dr-Nasr Rashid</b>	4
2017	International Research Journal of Engineering and Technology (IRJET)	Simulation and Experimental Verification of Single-Phase PWM Boost -Rectifier with Controlled Power factor	<b>DR. Mohammed. A. Ahmed</b>	5
2016	Journal of Electromagnetic Analysis and Applications	Optical Negative-Index Metamaterial Using CSRR by Incidenting the Light Horizontally at Near-Infrared Domain	<b>DR. Ammar Armghan</b>	6
2016	Journal of Optics	A narrow-band coherent perfect absorption in bright–bright mode coupling metamaterials		
2016	Journal of Physics D: Applied Physics	Plasmon induced transparency and absorption in bright–bright mode coupling metamaterials: a radiating two-oscillator model analysis		
2017	Solar Energy	Backstepping based non-linear control for maximum power point tracking in photovoltaic system	<b>DR. Ammar Armghan</b>	7
2016	MEPCON 2016 , 27 – 29	A study on energy balancing and control of Modular Multi-Level Converters	<b>DR. Osama El-baksawi</b>	8
	2016 IEEE 6th International Conference on Power and Energy (PECON 2016)	PI Controller Parameters Design of Doubly Fed Induction Generator Based on Mine Blast Algorithm		
2016	Neural Computing and Applications,	An efficient methodology for optimal reconfiguration of electric distribution network considering reliability indices via binary particle swarm gravity search algorithm",		
2017	2nd International Conference on System Reliability and Safety (ICSRS)	Current Doubler Rectifier for Arc Welding Machines with A Phase-Shift ZVS Three-Level DC-DC Converter",.		
2017	Aljouf University Science and Engineering Journal (AUSEJ),	“Hybrid Passive Relay Suitable for Micro Grids Protection in the Presence of Nonlinear Loads”	<b>DR. Tarek Kandil</b>	9

2016	the 18th Mediterranean Electro Technical Conference- MELECON 2016,	“Study of ROCOF Relay Suitability for Micro Grid Protection”,		
2016	Journal of Renewable and Sustainable Energy	A Novel Methodology for Simulating Maximum Power Point Trackers Using Mine Blast Optimization and Teaching Learning Based Algorithms for Partially Shaded PV System	<b>DR. Ahmed Fathy</b>	<b>10</b>
2016	Renewable Energy	A Reliable Methodology Based on Mine blast Optimization algorithm for Optimal Sizing of Hybrid PV-Wind-FC System for Remote Area in Egypt		
2016	The Egyptian International Journal of Engineering Sciences and Technology	An Improved Teaching Learning Based Optimization Algorithm for Simulating the Maximum Power Point Tracking Controller in Photovoltaic system		
0.2016	Solar Energy	An Optimal PV System Fed Water Pump Three Phase Induction Motor without Storage Systems Based on TLBO Technique and ANN		
2016	2016 IEEE 6th International Conference on Power and Energy (PECON 2016)	PI Controller Parameters Design of Doubly Fed Induction Generator Based on Mine Blast Algorithm		
2017	Electrical Engineering	Simulation of global MPPT based on teaching–learning-based optimization technique for partially shaded PV system		
2017	Neural Comput & Applic.	An efficient methodology for optimal reconfiguration of electric distribution network considering reliability indices via binary particle swarm gravity search algorithm		
2017	Renewable and Sustainable Energy Reviews	A comparison of different global MPPT techniques based on meta-heuristic algorithms for photovoltaic system subjected to partial shading conditions		
2017	Electric Power Components and Systems	Grey Wolf Optimizer for Optimal Sizing and Siting of Energy Storage System in Electric Distribution Network		
2017	IET Gener. Transm. Distrib.	Optimal Gain Scheduling of VSC-HVDC System Sliding Mode Control via Artificial Bee Colony and Mine Blast Algorithms		
2017	International Journal of Energy and Environmental Engineering	Single and Multi-Objective Operation Management of Micro-Grid Using Krill Herd Optimization and Ant Lion Optimizer Algorithms		
2016	2nd International Conference on Control Science and Systems Engineering	Design and Implementation of a Photovoltaic System Used for Street LIGHTS		
2017	International Journal of Electronics Engineering Research Research India Publications	High Radiation Effects on Different Performance of Solar Cells		
2016	Journal of Engineering Sciences Assiut University Faculty of Engineering	DESIGN AND IMPLEMENTATION OF CONTROL CIRCUIT FOR A STAND-ALONE PHOTOVOLTAIC LED ROAD LIGHTING SYSTEM		
2017	SPRINGER	Visual servoing based on efficient histogram information	<b>DR. Khaled Kaaniche</b>	<b>12</b>

2016	Actapress	Saliency based robust features for global visual servoing	<b>DR. Emad Mohammed ahmed</b>	<b>13</b>
2016	IEEE SSD	Analysis of low-altitude aerial sequences for road traffic diagnosis using graph partitioning and Markov hierarchical models		
2016	IEEE IPAS	An overview of image matching algorithms from two radically points of view		
2016	IEEE IPAS	Image-based Visual Servoing Dealing with Constraints		
2016	IEEE SSD	Adaptive 2D visual servoing using variable structure neural networks		
2017	Telecommunications Energy Conference (INTELEC), IEEE, Australia	An Improved Model Predictive controller for Highly Reliable Grid connected Photovoltaic Multilevel Inverters		
2017	Future Energy Electronics Conference and ECCE Asia, IFEEC- ECCE Asia, IEEE, Taiwan	A New Real-Time Perfect Condition Monitoring for High-Power Converters		
2017	Energy Conversion Congress and Exposition (ECCE), IEEE, USA	Operational Cost Reduction Based on Distributed Adaptive Droop Control Technique in DC Microgrids		
2017	Applied Power Electronics Conference and Exposition (APEC), IEEE, USA	Generation Cost Minimization Based Distributed Coordination Control in DC Microgrids		
2016	Applied Power Electronics Conference and Exposition (APEC), IEEE, USA	Novel Three-Phase Multi-Level Inverter Topology with Symmetrical DC-Voltage Sources		
2016	Energy Conversion Congress and Exposition (ECCE), IEEE, USA	A Unified SVM Algorithm for Lifetime Prolongation of Thermally-Overheated Power Devices in Multi-Level Inverters		
2017	IET Journal of Power Electronics	Developing new lifetime prolongation SVM algorithm for multilevel inverters with thermally aged power devices		
2017	IEEE Transactions on Sustainable Energy	Thermal and Reliability Assessment for Wind Energy Systems with DSTATCOM Functionality in Resilient Microgrids		
2017	IEEE Transactions on Power Electronics	Thermal Stresses Relief Carrier-Based PWM Strategy for Single-Phase Multilevel Inverters		
2016	IEEE Transactions on industrial Power Electronics	Study and Analysis of New Three-Phase Modular Multi-Level Inverter		
2016	Journal of Power Electronics	A Two State Feedback Active Damping Strategy for the LCL Filter Resonance in Grid-Connected Converters		
2017	Applied Power Electronics Conference and Exposition (APEC), IEEE, USA	Systematic Design of Grid-Current-Based Active Damping for Grid-Connected LCL Filters		
2017	Middle East Power Conference, MEPCON, IEEE, Egypt	Modified Harmonic Injection Technique for Electrolytic Capacitor-Less LED Driver		
2017	Middle East Power Conference, MEPCON, IEEE, Egypt	Power Quality Enhancement of Variable Frequency		