

Electrical Engineering

| التاريخ | ISI (Impact Factor) | مكان النشر | عنوان البحث | اسم الباحث | م |
|---------|------------------------|---|---|-----------------------------|---|
| 2018 | 1.51 | Journal of Computational Electronics, Springer | Ambipolar Leakage suppression in Electron-Hole Bilayer TFET: Investigation and Analysis | Abdallah. G. Alharbi | ١ |
| 2018 | 2.1 | Superlattices and Microstructures Elsevier | Polarization Engineered Enhancement Mode GaN HEMT: Design and Investigation | | |
| 2017 | 3.1 | IEEE Journal of the Electron Devices Society, | Electrostatically Doped DSL Schottky Barrier MOSFET on SOI for Low Power Applications | | |
| 2017 | 3.2 | IEEE Access, | Electrical Nonlinearity Emulation Technique for Current-Controlled Memristive Devices | | |
| 2017 | 1.2 | IET Circuits, Devices & Systems | Hybrid AlGaIn/GaN high-electron mobility transistor: design and simulation, | | |
| 2017 | 0.45 | Journal of Nanoelectronics and Optoelectronics, | Design, Simulation and the Comparative Analysis of Carbon Nanotube Field Effect Transistors Based Multistage Operational Amplifiers | | |
| 2016 | 0.96 | Journal of Electromagnetic Waves and Applications | Optical Negative-Index Metamaterial Using CSRR by Incidenting the Light Horizontally at Near-Infrared Domain | DR. Ammar Armghan | ٢ |
| 2016 | 1.74 | Journal of Optics | A narrow-band coherent perfect absorption in bright-bright mode coupling metamaterials | | |
| 2016 | 2.85 | Journal of Physics D: Applied Physics | Plasmon induced transparency and absorption in bright-bright mode coupling metamaterials: a radiating two-oscillator model analysis | | |
| 2017 | 4.01 | Solar Energy | Backstepping based non-linear control for maximum power point tracking in photovoltaic system | | |

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| 2016 | 1.135 | 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 | DR. Ahmed Fathy | ۳ |
| 2016 | 4.83 | 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 | 0.569 | 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 | | |
| 2016 | 4.018 | Solar Energy | An Optimal PV System Fed Water Pump Three Phase Induction Motor without Storage Systems Based on TLBO Technique and ANN | | |
| 2017 | 0.569 | Electrical Engineering | Simulation of global MPPT based on teaching-learning-based optimization technique for partially shaded PV system | | |
| 2017 | 2.505 | Neural Comput & Applic. | An efficient methodology for optimal reconfiguration of electric distribution network considering reliability indices via binary particle swarm gravity search algorithm | | |
| 2017 | 8.050 | 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 | 1.22 | Electric Power Components and Systems | Grey Wolf Optimizer for Optimal Sizing and Siting of Energy Storage System in Electric Distribution Network | | |
| 2017 | 2.213 | IET Gener. Transm. Distrib. | Optimal Gain Scheduling of VSC-HVDC System Sliding Mode Control via | | |

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|------|-------|--|---|--------------------------------|---|
| | | | Artificial Bee Colony and Mine Blast Algorithms | | |
| 2017 | 0.895 | 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 | | |
| 2017 | 1.687 | SPRINGER | Visual servoing based on efficient histogram information | DR. Khaled Kaaniche | ٤ |
| 2016 | 0.76 | Actapress | Saliency based robust features for global visual servoing | | |
| 2017 | 3.547 | IET Journal of Power Electronics | Developing new lifetime prolongation SVM algorithm for multilevel inverters with thermally aged power devices | | |
| 2017 | 4.9 | IEEE Transactions on Sustainable Energy | Thermal and Reliability Assessment for Wind Energy Systems with DSTATCOM Functionality in Resilient Microgrids | DR. Emad Mohammed ahmed | ٥ |
| 2017 | 7.15 | IEEE Transactions on Power Electronics | Thermal Stresses Relief Carrier-Based PWM Strategy for Single-Phase Multilevel Inverters | | |
| 2016 | 7.168 | IEEE Transactions on industrial Power Electronics | Study and Analysis of New Three-Phase Modular Multi-Level Inverter | | |
| 2016 | 1.047 | Journal of Power Electronics | A Two State Feedback Active Damping Strategy for the LCL Filter Resonance in Grid-Connected Converters | | |
| 2017 | 0.952 | Wireless Personal Communication (Springer Science- Business Media New York 2017) | QoS Based IPTV Over Mobile WiMAX Networks | Eng.Hegazi Ibrahim | ٦ |

قائمة بالأبحاث العلمية لقسم الهندسة المدنية

| التاريخ | ISI (Impact Factor) | مكان النشر | عنوان البحث | اسم الباحث | م |
|---------|------------------------|---|--|-----------------------|---|
| 2016 | 0.77 | Journal of Transportation Research Board, No. 2578, pp. 21–28, DOI: 10.3141/2578-03. | Influence of MEPDG Unbound Material Type and Material Characterization Input Level on Pavement Performance | Dr. Abdel Halim Azzam | 1 |
| 2017 | 0.85 | Canadian Journal of Civil Engineering, (44), 417–425, dx.doi.org/10.1139/cjce-2016-0435. | Laboratory Characterization of Reclaimed Asphalt Pavement for Road Construction in Egypt | | |
| 2017 | 1.26 | International Journal of Geomechanics, 17(11), 07017012, DoI: 10.1061/(ASCE)GM.1943-5622.0000631. | "Discussion of "State-of-the-Art: Prediction of Resilient Modulus of Unsaturated Subgrade Soils" by Zhong Han and Sai K. Vanapalli | | |



بيان بالأبحاث المنشورة عامين ٢٠١٧-٢٠١٨ بقسم الهندسة الميكانيكية

| ISI (Impact Factor) | التاريخ | مكان النشر | عنوان البحث | اسم الباحث | م |
|--------------------------|---------|--|--|----------------------|---|
| ISI Journal | 2017 | International Journal of Advanced and Applied Sciences | Effects of the laser cutting parameters on the micro-hardness and on the heat affected zone of the mi-hardened steel | DR. Imed Miraoui | 1 |
| ISI-IF = 0.974 | 2017 | Journal of Natural Fibers | Long-unidirectional Palm and Sisal Fibers Reinforced Composite: An Experimental Investigation | | |
| ISI-IF = 1.3 | 2016 | Hindawi Publishing Corporation | High-Power Laser Cutting of Steel Plates: | | |
| Scopus 0.91 ISI 1.299 | 2016 | Advances in Materials Science and Engineering | Heat Affected Zone Analysis | | |
| ISI-IF = 0.834 | 2016 | Advances in Materials and Processing Technologies | Analysis of cut surface quality of sheet metals obtained by | | |
| Scopus 0.37 | 2016 | ARPN Journal of Engineering and Applied Sciences | laser machining: thermal effects | | |
| SJR-IF (Scopus) = 0.21 | 2017 | Journal of Natural Fibers | NUMERICAL SIMULATION OF DROPLET DISPERSION AND EVAPORATION AND OF AIR VELOCITY IN A JET BURNER | | |
| Scopus 3.39 | 2017 | Materials Science & Engineering A | The influence of magnetic field on the mechanical properties & microstructure of plain carbon steel | DR. Saad A.A. Sayed | 2 |
| Scopus 0.2 | 2017 | Journal of Energy Power Engineering | Prediction of Strain Rate of Aluminum/Silicon Carbide Using Gray Level Run- Length Matrices | | |
| Scopus 0.19 | 2016 | Advanced Structured Materials | Forming Temperature Investigation of Aluminum and Aluminum/Silicon Carbide Using Image Texture Feature | DR. Ahmad E. Eladawi | 3 |
| Scopus 0.2 | 2016 | Journal of Energy Power Engineering | Prediction of Strain Rate of Aluminum/Silicon Carbide Using Gray Level Run- Length Matrices | | |

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| 0.35 | 2016 | SSRG International Journal of Thermal Engineering (SSRG-IJTE) | Variations of Air and Water Temperatures Across and Along the Pads of Direct Evaporative Coolers and Their Effect on the Performance | DR. M. Mosa | 4 |
| 0.35 | 2016 | SSRG International Journal of Thermal Engineering (SSRG-IJTE) | Variations of Air and Water Temperatures Across and Along the Pads of Direct Evaporative Coolers and Their Effect on the Performance | DR. Ahmed Saleh | 5 |
| 5.589 | 2017 | Energy Conversion and Management | Performance analysis of different working gases for concentrated solar gas engines Stirling & Bravton | DR. A. M. Soliman | 6 |
| scopus 3.83 | 2017 | Journal of Environmental Chemical Engineering | Influence of solvent in the synthesis of nano-structured ZnO by hydrothermal method and their application in solar-still | | |
| 7.182 | 2017 | Applied Energy | A novel study of using oil plants gases for thermal desalination and electric power generation: Energy & cost evaluation | | |
| 2.599 | 2017 | International Journal of Sciences: Basic and Applied Research (IJSBAR) | Failure Analysis Investigation of Recycle Compressor Cooler in a Gas Plant | DR. Mohamed Hanafy El-Sayed | 7 |
| 1.748 | 2016 | Engineering Failure Analysis | Flow enhanced corrosion of water injection pipelines | | |
| scopus 1.05 0.836 | 2017 | Asia-Pac. J. Chem. Eng | Thermo-physical and kinetics parameters determination and gases emissions of self-ignition of sieved rice husk of different sizes on a hot plate | DR. T.M. Khass | 8 |
| 1.233 | 2016 | Heat and Mass Transfer | Solar desalination system of combined solar still and humidification – dehumidification unit | DR. Ahmed Ghazy | 9 |
| 1.233 | 2017 | Heat and Mass Transfer | The Thermal Protective Performance of Firefighters Clothing: The Air Gap between the Clothing and the Body | | |
| 4.03 | 2016 | International Communication in Heat and Mass Transfer | Influence of the specular coefficient on hydrodynamics and heat transfer in a conical fluidized bed combustor | DR. Mahmoud A. M. Youssef | 10 |
| 4.03 | 2016 | International Communication in Heat and Mass Transfer | Numerical study on heat transfer in a conical fluidized bed combustor considering particle elasticity | | |

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| 0.985 | 2018 | Journal of Thermal Science and Engineering Applications | Heat Transfer and Fluid Flow Characteristics in a Heat Exchanger Tube Fitted With Inserts | Dr. Waleed Abdelmaksoud | 11 |
| 0.257 | 2016 | Journal of Computational Thermal Sciences | Numerical Modeling and Performance Investigation for Compact Heat Exchangers in Different Fin Arrangement and Fluid Flow Conditions | | |