

- 48) AM Shaheen, RA El-Sehiemy, SM Farrag, "<u>Integrated strategies of backtracking search optimizer for solving reactive power dispatch problem</u>", IEEE Systems Journal 12 (1), 424-433 2018
- 49) SF A M Shaheen, Ragab El Sehiemy, "<u>Adequate Planning of Shunt Power Capacitors Involving Transformer Capacity Release Benefit</u>", IEEE Systems Journal 12 (1), 373 382 2018
- 50) B Bentouati, S Chettih, R El-Sehiemy, "<u>A Chaotic Firefly Algorithm Framework for Non-Convex Economic Dispatch Problem</u>", Electrotehnica, Electronica, Automatica 66 (1), 172-179 2018
- 51) RM Rizk-Allah, RA El-Sehiemy, "A novel sine cosine approach for single and multiobjective emission/economic load dispatch problem", Innovative Trends in Computer Engineering (ITCE), 2018 International 2018
- 52) AM Shaheen, RA El-Sehiemy, SM Farrag, "<u>A novel framework for power loss minimization</u> by modified wind driven optimization algorithm", Innovative Trends in Computer Engineering (ITCE), 2018 International 2018
- 53) RM Rizk-Allah, RA El-Sehiemy, GG Wang, "A novel parallel hurricane optimization algorithm for secure emission/economic load dispatch solution", Applied Soft Computing 63, 206-222 2018
- 54) B Silwal, MN Ibrahim, P Sergeant, "<u>Synchronous Reluctance Machine: Combined Star-Delta Winding and Rotor Eccentricity</u>", 2018 XIII International Conference on Electrical Machines (ICEM), 427-432 2018
- 55) MN Ibrahim, B Silwal, P Sergeant, "Permanent Magnet-Assisted Synchronous Reluctance Motor Employing a Hybrid Star-Delta Winding for High Speed Applications", 2018 XIII International Conference on Electrical Machines (ICEM), 379-385 2018
- 56) MNF Ibrahim, AS Abdel-Khalik, EM Rashad, P Sergeant, "<u>An Improved Torque Density Synchronous Reluctance Machine With a Combined Star-Delta Winding Layout</u>", IEEE Transactions on Energy Conversion 33 (3), 1015-1024 2018
- 57) H Sun, MJ Mnati, MN Ibrahim, A Van den Bossche, "<u>A Tuning Method for the Derivative</u> <u>Filter in PID Controller with Delay Time</u>", 2018 9th International Conference on Mechanical and Aerospace Engineering 2018
- 58) H Sun, MN Ibrahim, MJ Mnati, A Van den Bossche, "<u>A Tuning Method for PI Controller for an Integrating System with Time Delay</u>", 2018 9th International Conference on Mechanical and Aerospace Engineering 2018
- 59) B Silwal, MN Ibrahim, P Sergean, "<u>Performance of PM-Assisted Synchronous Reluctance Machine Under Rotor Eccentricity</u>", 2018 International Symposium on Power Electronics, Electrical Drives 2018
- 60) H Sun, A Farzan Moghaddam, MJM Al-Rubaye, AHR Mohamed, "<u>A Control Method with Ring Structure for Switched Reluctance Motor</u>", the 5th edition of the International Conference on Electrical Systems for 2018
- 61) B Wymeersch, L Vandevelde, F De Belie, MNF Ibrahim, CB Rasm, "<u>Comparison Between Different Modelling Methods to study the Dynamical Behaviour of Line Start Permanent Magnet Synchronous Motors"</u>, https://biblio.ugent.be/publication/8575240 2018



- 62) MM Savino, M Shafiq, "<u>An extensive study to assess the sustainability drivers of production performances using a resource-based view and contingency analysis</u>", Journal of Cleaner Production 204, 744-752 2018
- 63) S Nisar, M Shafiq, "Framework for efficient utilisation of social media in Pakistan's healthcare sector", Technology in Society 2018
- 64) Z Ahmad, SR Ahmad, N Sheikh, A Bukhari, A Tahir, M Shafiq, N Jamil, "<u>Advent of Molecular Taxonomy and its Application</u>", Global Journal of Animal Scientific Research 6 (2) 2018
- 65) F Mushtaq, M Shafiq, MM Savino, T Khalid, M Menanno, A Fahad, "Reverse Logistics Route Selection Using AHP: A Case Study of Electronics Scrap from Pakistan", IFIP International Conference on Advances in Production Management Systems, 3-10 2018
- 66) MU Akhtar, MH Raza, M Shafiq, "Role of batch size in scheduling optimization of flexible manufacturing system using genetic algorithm", Journal of Industrial Engineering International, 1-12 2018
- 67) M Shafiq, WB Nisar, MM Savino, Z Rashid, Z Ahmad, "Monitoring and controlling of unaccounted for gas (UFG) in distribution networks: A case study of Sui Northern Gas Pipelines Limited Pakistan", IFAC-PapersOnLine 51 (11), 253-258 2018
- 68) PJ Siddique, HT Luong, M Shafiq, "<u>An optimal joint maintenance and spare parts inventory model</u>", International Journal of Industrial and Systems Engineering 29 (2), 177-192 2018
- 69) B Yousif, IE Metwally, AS Samra, "<u>A modified topology achieved in OFDM/SAC-OCDMA-based multi-diagonal code for enhancing spectral efficiency</u>", Photonic Network Communications 37 (1), 10 2018
- 70) EE Elsayed, BB Yousif, MM Alzalabani, "<u>Performance enhancement of the power penalty in DWDM FSO communication using DPPM and OOK modulation</u>", Optical and Quantum Electronics 50 (7), 282 2018
- 71) MB Shafik, H Chen, GI Rashed, R. A. El-Sehiemy, M ElKadeem, "Adequate Topology for Efficient Energy Resources Utilization of Active Distribution Networks Equipped With Soft Open Points", IEEE Access 7 (1), 99003-99016, 2019.
- 72) M Hamidea MWaness, RA ElSehiemy, "Parameter estimation of poly-phase induction motors with experimental verification", I Tra, 2019
- 73) Ragab A. El-Sehiemy et al., "A novel multi-objective hybrid algorithm for efficient operation of power systems", Ene, 2019
- 74) Saliha Chettih and Ragab A. El Sehiemy Aboubakr Khelifi, Bachir Bentouati, "Application of Hybrid Salp Swarm Optimization Method for Solving OPF Problem", International Conference on Advanced Electrical Engineering, 2019
- 75) AA Elsakaan, RA El-Sehiemy, SS Kaddah, MI Elsaid, "Optimal economic/emission power scheduling of renewable energy resources in microgrids with uncertainty", IET Generation transmission distribution, 2019
- 76) Aboubakr KhelifiBachir, Bentouati Bachir, Chettih Saliha and Ragab A. El-Sehiemy, "A Novel Hybrid Method based on Krill Herd and Cuckoo Search for Optimal Power Flow Problem", International Journal of Image, Graphics and Signal Processing 11 (9), 1-17, 2019
- 77) Ragab A. El-Sehiemy Aboubkr Khelifi, Bachir Bentouati, Saliha Chettih,"A novel hybrid cuckoo search and krill herd technique for solving problem of optimal power flow in power systems", Journal of Electrical Systems 15 (3), 375-391, 2019



- 78) GHADA AMER, Fathy Mabrouk, Ragab El Sehiemy, "Sensitive/Stable Complementary Fault Identification Scheme for Overhead Transmission Lines, IET Generation", IET Generation, Transmission & Distribution 13 (15), 3252 3263, 2019
- 79) Abdullah M Shaheen, Ragab A El-Sehiemy, "Binary and Integer Coded Backtracking Search Optimization Algorithm for Transmission Network Expansion Planning", WSEAS TRANSACTIONS on POWER SYSTEMS, 2019
- 80) R El Sehiemy, AA El-Ela, AM Kinawy, E Salah, "Minimization of voltage fluctuation resulted from renewable energy sources uncertainty in distribution systems", IET Generation, Transmission & Distribution 13 (12), 2339 2351, 2019.
- 81) F Jurado, SA el-sattar, SS Kamel, RE Sehiemy, J Yu, "Single- and multi-objective optimal power flow frameworks using Jaya optimization technique", Neural Computing and Applications, 1-20,2019.
- 82) MI Abdelwanis, RA Sehiemy,"Performance Enhancement of split-phase Induction Motor by using fuzzy-based PID controller", Journal of Electrical Engineering 70 (2), 103-112,2019
- 83) MB Shafik, GI Rashed, RA El-Sehiemy, H Chen, "Optimal Sizing and Sitting of TCSC Devices for Multi-Objective Operation of Power Systems Using Adaptive Seeker Optimization Algorithm", 2018 IEEE Region Ten Symposium (Tensymp) 1, 231-236, 2019
- 84) MB Shafik, H Chen, GI Rashed, RA El-Sehiemy,"Adaptive multi objective parallel seeker optimization algorithm for incorporating TCSC devices into optimal power flow framework", IEEE Access 7, 36934-36947,2019
- 85) AR Adly, RA El Sehiemy, MA Elsadd, AY Abdelaziz,"A novel wavelet packet transform based fault identification procedures in HV transmission line based on current signals", International Journal of Applied Power Engineering 8 (1), 11-21,2019
- 86) AM Shaheen, RA El-Sehiemy, SM Farrag,"A reactive power planning procedure considering iterative identification of VAR candidate buses", Neural Computing and Applications 31 (3), 674–653,2019
- 87) MI Abdelwanis, RA El-Sehiemy,"A Fuzzy-Based Controller of a Modified Six-Phase Induction Motor Driving a Pumping System, Iranian Journal of Science and Technology", Transactions of Electrical Engineering 153-165, 2019
- 88) MI Zaki, RA El-Sehiemy, GM Amer, FMA El Enin,"An investigated reactive power measurements-based fault-identification scheme for teed transmission lines", Measurement 136, 185-200,2019
- 89) AM Shaheen, RA El-Sehiemy,"Application of multi-verse optimizer for transmission network expansion planning in power systems",International Conference on Innovative Trends in Computer Engineering (ITCE) 371-376,2019
- 90) AF Barakat, RA El-Sehiemy, MI Elsayd, E Osman,"An enhanced Jaya optimization algorithm (EJOA) for solving multi-objective ORPD problem", International Conference on Innovative Trends in Computer Engineering (ITCE) 479-484,2019
- 91) MA Elhosseini, RA El Sehiemy, YI Rashwan, XZ Gao,"On the performance improvement of elephant herding optimization algorithm", Knowledge-Based Systems 166, 58-70,2019.
- 92) RA El-Sehiemy, RM Rizk-Allah, AF Attia,"Assessment of hurricane versus sine-cosine optimization algorithms for economic/ecological emissions load dispatch problem",International Transactions on Electrical Energy Systems 29 (2), e2716,2019.



- 93) F Al-Tahhan, A Sakr, D Aladle, "M Fares,Improved image segmentation algorithms for detecting types of acute lymphatic leukemia",IET Image Processing,2019
- 94) R Ghallab, M Shokair, A Sakr, AA El-Azam,"Inspection of Error Performance and Interference Avoidance Technique for Cooperative Relay in Underlay D2D Networks",36th National Radio Science Conference (NRSC) 190-199,2019
- 95) R Ghallab, M Shokair, AA Elazm, A Sakr, W Saad, A Naguib,"Performance Enhancement Using MIMO Electronic Relay in Massive MIMO Cellular Networks, IET Networks, 2019
- 96) R Ghallab, AA Sakr, M Shokair, AA El-Azm,"Electronic relay performance in the inband device-to-device (D2D) communication system", Telecommunication Systems, 1-11,2019
- 97) HM Elattar, HK Elminir, AM Riad,"Conception and implementation of a data-driven prognostics algorithm for safety-critical systems", Soft Computing 23 (10), 3365-3382,2019
- 98) SA El-Ghany, HK Elminir, AM Riad,"An Improved Image Annotation and Retrieval System Using Hybrid Based Semantic and Context Data Analysis",International Conference on Computer and Information Sciences (ICCIS), 1-5,2019
- 99) HAA el-Ghany, MA Elsadd, ES Ahmed,"A faulted side identification scheme-based integrated distance protection for series-compensated transmission lines", International Journal of Electrical Power & Energy Systems 113, 664-673,2019
- 100) B Yousif, MEA Abo-Elsoud, H Marouf,"Triangle grating for enhancement the efficiency in thin film photovoltaic solar cells", Optical and Quantum Electronics 51 (276), 1-11,2019
- 101) bedir yousif, EE Elsayed,"Performance Enhancement of an Orbital-Angular Momentum-Multiplexed Free-Space Optical Link under Atmospheric Turbulence Effects Using Spatial Mode Multiplexing and Hybrid ...",IEEE Access, 1-15,2019
- 102) FG Hashad, O Zahran, ESM El-Rabaie, IF Elashry, FEA El-Samie, "Fusion-based encryption scheme for cancelable fingerprint recognition", Multimedia Tools and Applications, 1-31,2019
- 103) NM Moawad, WM Elawady, AM Sarhan,"Development of an adaptive radial basis function neural network estimator-based continuous sliding mode control for uncertain nonlinear systems", ISA transactions 87, 200-216,2019
- 104) KB Tawfiq, AS Mansour, MN Ibrahim, E EL-Kholy, P Sergeant, "Implementation of Matrix Converter in Wind Energy Conversion System with Modified Control Techniques", Electric Power Components and Systems, 1-16,2019
- 105) MN Ibrahim, H Rezk, M Al-Dhaifallah, P Sergeant, "Solar Array Fed Synchronous Reluctance Motor Driven Water Pump: An Improved Performance Under Partial Shading Conditions", IEEE Access 7, 77100-77115,2019
- 106) V Prakht, V Dmitrievskii, V Kazakbaev, S Oshurbekov, MN Ibrahim, "Optimal design of a novel three-phase high-speed flux reversal machine", Applied Sciences 9 (18), 3822,2019
- 107) V Kazakbaev, V Prakht, V Dmitrievskii, MN Ibrahim, S Oshurbekov, ..., "Efficiency analysis of low electric power drives employing induction and synchronous reluctance motors in pump applications", Energies 12 (6), 1144,2019
- 108) H Sun, AF Moghaddam, MJ Mnati, AH Mohamed, MN Ibrahim, "A Control Method with Ring Structure for Switched Reluctance Motor", 2018 IEEE International Conference on Electrical Systems for Aircraft ...,2019.



- 109) A Fawzy, RAE Seheimy, M Ibrahiem, "Close Accord on Particle Swarm Optimization Variants for Solving Non-Linear Optimal Reactive Power Dispatch Problem" International Journal of Engineering Research in Africa, 2020.
- 110) AA Elsakaan, RA El-Sehiemy, SS Kaddah, MI Elsaid, "Optimal economic-emission power scheduling of RERs in MGs with uncertainty" IET Generation transmision distribution 14 (1), 37 52..... 2020
- 111) R Chenouard, RA El-Sehiemy "An interval branch and bound global optimization algorithm for parameter estimation of three photovoltaic models" Energy conversion and management 2052020
- 112) R El-Sehiemy, B Bentouati, FA Selim, M Abido "A novel multi-objective hybrid particle swarm and salp optimization algorithm for technical-economical-environmental operation in power systems" Energy 193, 1168172020.
- 113) WS Sakr, HAA El-Ghany, RA El-Sehiemy, AM Azmy "Techno-economic assessment of consumers' participation in the demand response program for optimal day-ahead scheduling of virtual power plants" Alexandria Engineering Journal 59 (1), 399-415 ...2020
- 114) AM Shaheen, RA El-Sehiemy "A multi-objective salp optimization algorithm for technoeconomic based performance enhancement of distribution networks" IEEE Systems Journal, 10.1109/JSYST.2020.2964743 ...2020
- 115) MI Abdelwanis, A Abaza, RA El-Sehiemy, MN Ibrahim, H Rezk "Parameter Estimation of Electric Power Transformers Using Coyote Optimization Algorithm with Experimental Verification" IEEE Access 8, 50036-500442020
- 116) EA Almabsout, RA El-Sehiemy, ONU An, O Bayat "A hybrid local Search-Genetic algorithm for simultaneous placement of DG units and shunt capacitors in radial distribution systems" IEEE Access 8, 54465-54481 ...2020
- 117) R, El Sehiemy, M Assad, T Mesbahi "Parameter Identification and State-of-Charge Estimation for Lithium-Polymer Battery Cells Using Enhanced Sunflower Optimization Algorithm" International Journal of Hydrogen Energy 45 (15), 8833-88422020
- 118) AAA El-Ela, AM Shaheen, RA El Sehiemy, NK El-Ayaa "Optimal Allocation of DGs with network reconfiguration using Improved Spotted Hyena Algorithm" Wseas Transacions on Power Systems 15, 60-672020
- 119) AM Shaheen, RA El-Sehiemy "Optimal Co-ordinated Allocation of Distributed Generation Units/ Capacitor Banks/ Voltage Regulators by EGWA" IEEE Systems Journal, 1-82020
- 120) EE Elattar, AM Shaheen, AM Elsayed, RA El-Sehiemy, "Optimal Power Flow with Emerged Technologies of Voltage Source Converter Stations in Meshed Power Systems", IEEE Access 8, 166963-1669792020
- 121)A LASMARI, M ZELLAGUI, AR GUPTA, RA EL-SEHIEMY, RC CHENNI, "Multi-Objective Salp Swarm Algorithm for Performance Enhancement of Electrical Distribution System Including DG and DSTATCOM Simultaneously" The fourth International Conference on Artificial Intelligence in Renewable ...2020
- 122)S Ghoinem, R El-Sehiemy, A Shaheen, A genidi, "Economic Power and Heat Dispatch in Cogeneration Energy Systems Using Manta Ray Foraging Optimizer Algorithm", IEEE Access 8....2020



جامعة كفرالشيخ كلية الهندسة قسم الهندسة الكهربية

- 123)B Bentouati, A Khalifa, A Shaheen, R El Sehiemy ,"An enhanced moth-swarm algorithm for efficient energy management based multi dimensions OPF problem", Journal of Ambient Intelligence and Humanized Computing, 10.1007/s12652-020 ...2020
- 124) AM Shaheena, AM Elsayed, RA El-Sehiemy, AY Abdelaziz, "Equilibrium optimization algorithm for network reconfiguration and distributed generation allocation in power systems", Applied soft computing, https://doi.org/10.1016/j.asoc.2020.1068.....2020
- 125) A Abaza, A Fawzy, RE Sehiemy, A Alghamdi, S Kamel , "Sensitive Reactive Power Dispatch Solution Accomplished with Renewable Energy Allocation Using an Enhanced Coyote Optimization Algorithm", Ain shams Engineering Journal.....2020
- 126) AA Zaky, MN Ibrahim, H Rezk, E Christopoulos, RAE Sehiemy, ... "Energy efficiency improvement of water pumping system using synchronous reluctance motor fed by perovskite solar cells", International Journal of Energy Research. 44 (14), 11629-11642....2020
- 127) AM Shaheen, RA El-Sehiemy, "Enhanced Feeder Reconfiguration in Primary Distribution Networks using Backtracking Search Technique", Australian Journal of Electrical and Electronics Engineering 17 (3), 196-202....2020
- 128) AF Attia, M Abdelaziz, AEE Hasaneen, RA El-Sehiemy, "Prediction of Solar Activity using Hybrid Artificial Bee Colony with Neighborhood Rough Sets" IEEE Transactions on Computational Social Systems 7 (5), 1123-1130.....2020
- 129)B Bentoutati, RA El-Sehiemy, H Hasaneen, "A chaotic krill herd optimizer for efficient combination of renewable energy sources in isolated microgrid mode" willey "Electric Power Component and Systems, Accepted ...2020
- 130) AA Abou El Ela, RA El-Sehiemy, AM Shaheen, AEG Diab, "Optimal Design of PID Controller Based Sampe-Jaya Algorithm for Load Frequency Control of Linear and Nonlinear Multi-Area Thermal Power Systems" International Journal of Engineering Research in Africa 50, 79-93....2020
- 131)D Abdelhameed, AM Shaheen, WES Walaa Gaber, RA El-Sehiemy, "Equilibrium optimizer based multi dimensions operation of hybrid AC/DC grids" Alexandria Engineering Journal, AEJ1797.....2020
- 132) AAA El-Ela, AM Shaheen, RA El-Sehiemy, I Issa,"Optimal Coordination of Static VAR Compensators, Fixed Capacitors, and Distributed Energy Resources in Egyptian Distribution Networks" International Transactions on Electrical Energy Systems. 30 (11), e12609......2020
- 133) A Elshebiny, A Abou, RA El-Sehiemy, "Network Reconfiguration to Improve Oman Distribution Network Parameters Using SCADA System and Fuzzy Clustering Technique" Authorea Preprints.....2020
- 134) AAA El-Ela, RA El-Sehiemy, AM Shaheen, A Reda, "Optimal allocation of distributed generation units correlated with fault current limiter sites in distribution systems", IEEE Systems Journal, 10.1109/JSYST.2020.3009028.....2020
- 135) A Abaza, RA El Sehiemy, ASA Bayoumi, "Optimal Parameter Estimation of Solid Oxide Fuel Cell Model Using Coyote Optimization Algorithm" Recent Advances in Engineering Mathematics and Physics, 135-149.....2020



جامعة كفرالشيخ كلية الهندسة قسم الهندسة الكهربية

- 136)SS Kaddah, R El Sehiemy, A Zaky, "Solving Unit Commitment Problem in Deregulated Power Systems Environment.(Dept. E.)", Bulletin of the Faculty of Engineering. Mansoura University 38 (4), 1-14....2020
- 137)S Dolatabadi, RAE Sehiemy, SG Zadeh, "Scheduling of combined heat and generation outputs in power systems using a new hybrid multi-objective optimization algorithm", Neural Computing and Applications 32 (14), 10741-10757.....2020
- 138) AF Attia, AM Sharaf, "A robust FACTS based fuzzy control scheme for dynamic stabilization of generator station", AIN SHAMS ENGINEERING JOURNAL 11 (3), 629-641...2020
- 139)NG Rezk, EED Hemdan, AF Attia, A El-Sayed, MA El-Rashidy, "An efficient IoT based smart farming system using machine learning algorithms"
- Multimed Tools Appl (2020). https://doi.org/10.1007/s11042-020-09740-6.
- 140) MY Shams, OM Elzeki, M Abd Elfattah, T Medhat, AE Hassanien, "Why Are Generative Adversarial Networks Vital for Deep Neural Networks? A Case Study on COVID-19 Chest X-Ray Images" Big Data Analytics and Artificial Intelligence Against COVID-19: Innovation ... 2020
- 141)T Medhat, M Elsayed, "Missing value prediction for qualitative information systems", Filomat 34 (1), 175-1852020
- 142)N ABUBAKR, D SABRY, E AHMED, W IBRAHIM, A Nagla, N Amany, ... "Assessment of the Therapeutic Potential of Epigallocatechin Gallate and/or Metformin on Oral Squamous Cell Carcinoma", TURKISH JOURNAL OF ONCOLOGY 1 (3)2020
- 143) AM Hassan, ES Ahmed, "Impact of Internet Addiction on Lifestyle and Dietary Habits of Secondary School Adolescents", American Journal of Nursing Research 8 (2), 263-268 ... 2020
- 144)EA Abdel Hafez, AMI Badr, "Effect of Photodynamic Disinfection on milled acrylic flexural strength (an-in vitro study)", Journal of Modern Research 2020
- 145)HA Aboelkhair, ES Ahmed, DEA Mansour, "Development of Wide Area Protection Scheme based on Power Measurements", 2020 12th International Conference on Electrical Engineering (ICEENG), 73-77....2020
- 146)NS Abd El-aty, SR Osman, ES Ahmed, MA GadAllah, "Overweight and obesity prevalence among upper Egypt primary schools' children using Egyptian and CDC growth charts" Applied Nursing Research, 151346....2020
- 148)M Alajmi, I Elashry, HS El-Sayed, OS Faragallah ,"A Password-Based Authentication System Based on the CAPTCHA AI Problem", IEEE Access 8, 153914-153928......2020
- 149)I Elashry, "Cryptanalysis of Jain-Singh's identity-based RSA encryption", Information Security Journal: A Global Perspective, 1-5....2020
- 150)FG Hashad, O Zahran, S El-Rabaie, IF Elashry, G Elbanby, MI Dessouky, ... "Cancelable Fingerprint Recognition based on Encrypted Convolution Kernel in Different Domains", Menoufia Journal of Electronic Engineering Research 29 (2), 133-142......2020



- 151)EA Naeem, AEA Abdelaal, AA Eyssa, FM Al_azrak, RA Ahmed, I Elashry,..., "Efficient signal and protocol level security for network communication", International Journal of Speech Technology, 1-26.....2020
- 152)M Alajmi, I Elashry, HS El-Sayed, OSF Allah, "Steganography of Encrypted Messages Inside Valid QR Codes", IEEE Access 8, 27861-27873......2020
- 153)IF Elashry, W El-Shafai, ES Hasan, S El-Rabaie, AM Abbas, ..., "Efficient chaotic-based image cryptosystem with different modes of operation", Multimedia Tools and Applications, 1-23....2020
- 154)FE Al-Tahhan, ME Fares, AA Sakr, DA Aladle, "Accurate automatic detection of acute lymphatic leukemia using a refined simple classification", Microscopy Research and Technique...2020
- 155) AA Zaky, N Balis, K Gkini, C Athanasekou, A Kaltzoglou, T Stergiopoulos, ... "Dye Engineered Perovskite Solar Cells under Accelerated Thermal Stress and Prolonged Light Exposure", Chemistry Select 5 (15), 4454-4462.....2020
- 156)N Balis, AA Zaky, C Athanasekou, AMT Silva, E Sakellis, M Vasilopoulou, ... "Investigating the role of reduced graphene oxide as a universal additive in planar perovskite solar cells" Journal of Photochemistry and Photobiology A: Chemistry 386, 112141....2020
- 157)HA Hamed, Z Elbarbary, MS Elmoursi, PK Chamarthi, "A New δ-MRAS Method For Motor Speed Estimation", IEEE Transactions on Power Delivery...2020
- 158)Z Elbarbary, MF Azeem, HZ Azazi, "Adaptive Fuzzy-Based IRFOC of Speed Sensorless Six-Phase Induction Motor Drive System", Journal of Circuits, Systems and Computers 29 (04), 2050062...2020
- 159) A Daem, P Sergeant, L Dupré, MN Ibrahim, "Modeling Interlocking Effects on Core Losses in Electrical Steel", IEEJ Transactions on Electrical and Electronic Engineering....2020
- 160)MN Ibrahim, H Rezk, M Al-Dhaifallah, P Sergeant, "Modelling and Design Methodology of an Improved Performance Photovoltaic Pumping System Employing Ferrite Magnet Synchronous Reluctance Motors", Mathematics 8 (9), 1429....2020
- 161)KB Tawfiq, AS Mansour, MN Ibrahim, EE El-Kholy, P Sergeant, "Design, implementation and performance analysis of shunt active filter based on a matrix converter", International Journal of Electronics, 1-16....2020
- 162) KB Tawfiq, MN Ibrahim, EE El-Kholy, P Sergeant, "Performance Improvement of Existing Three Phase Synchronous Reluctance Machine: Stator Upgrading to 5-Phase With Combined Star-Pentagon Winding", IEEE Access 8, 143569-143583....2020
- 163)M Hamouda, A Abdel Menaem, H Rezk, MN Ibrahim, L Számel, "Numerical estimation of switched reluctance motor excitation parameters based on a simplified structure average torque control strategy for electric vehicles", Mathematics 8 (8), 1213.....2020
- 164) KB Tawfiq, MN Ibrahim, EE El-Kholy, P Sergeant "Refurbishing three-phase synchronous reluctance machines to multiphase machines", Electrical Engineering, 1-14....2020
- 165)M Jabbar Mnati, S Jasim Hammoodi, H Tareq Rajab Altaie, S Al-Youif, MN Ibrahim ... "Design and Implementation Low Cost of Photovoltaic Monitoring System Network Based on LoRaWAN", MS&E 745 (1), 012046....2020



- 166)M Ibrahim, "The compound Poisson Rayleigh Burr XII distribution: properties and applications", Journal of Applied Probability and Statistics 15 (1), 73-97......2020
- 167) J Arfaoui, H Rezk, M Al-Dhaifallah, MN Ibrahim, M Abdelkader, "Simulation-Based Coyote Optimization Algorithm to Determine Gains of PI Controller for Enhancing the Performance of Solar PV Water-Pumping System", Energies 13 (17), 4473....2020
- 168) MJ Mnati, SJ Hammoodi, HTR Altaie, S Al-Youif, MNF Ibrahim, ... "Design and implementation low cost of photovoltaic monitoring system network based on LoRaWAN", 4th Scientific conference for Engineering and Postgraduate Research 745....2020
- 169)EE Elsayed, BB Yousif, "Performance enhancement of hybrid diversity for M-ary modified pulse-position modulation and spatial modulation of MIMO-FSO systems under the atmospheric turbulence effects with geometric spreading", Optical and Quantum Electronics 52 (12), 1-18...2020
- 170)EE Elsayed, BB Yousif, "Performance Evaluation and Enhancement of M-Ary DPPM Modulation for WDM-PON/FSO Systems Impaired by Atmospheric Turbulence, Interchannel Crosstalk, and ASE Noise"....2020
- 171)B yousif, AS Samra, R Waheed, "High Quality Factor and Dispersion Compensation Based on Fiber Bragg Grating in Dense Wavelength Division Multiplexing", Optical Memory and Neural Networks 49 (3), 228-243....2020
- 172)EE Elsayed, BB Yousif, "Performance evaluation and enhancement of the modified OOK based IM/DD techniques for hybrid fiber/FSO communication over WDM-PON systems", Optical and Quantum Electronics 52 (9), 1-27.....2020
- 173) AN Asl, B Yousif, M Alzalabani, "New compact of absorber thermal surface", Optical and Quantum Electronics 52 (8), 1-15....2020
- 174)S Elbialy, B Yousif, A Samra, "Modeling and Performance Enhancement of Active Hybrid Plasmonic Electro-optic Routing Switch", Plasmonics, 1-13....2020
- 175)B Yousif, F Khalifa, A Makram, A Takieldeen, "A novel image encryption/decryption scheme based on integrating multiple chaotic maps", AIP Advances 10 (7), 075220....2020
- 176)M Alagdar, B Yousif, NF Areed, M Elzalabani, "Improved the quality factor and sensitivity of a surface plasmon resonance sensor with transition metal dichalcogenide 2D nanomaterials", Journal of Nanoparticle Research 22 (7), 1-13....2020
- 177)M Alagdar, B Yousif, NF Areed, M Elzalabani, "Highly sensitive fiber optic surface plasmon resonance sensor employing 2D nanomaterials", Applied Physics A 126 (7), 1-16....2020
- 178) EE Elsayed, BB Yousif, "Performance enhancement of M-ary pulse-position modulation for a wavelength division multiplexing free-space optical systems impaired by interchannel crosstalk, pointing error, and ASE noise", Optics Communications 475, 126219....2020
- 179)M Ghali, A Rezk, AM Eissa, B Yousif, A Elkun, GF Ali, MK Elnimr, ..., "Hotinjection synthesis of ultrasmall CuIn3Se5 quantum dots and production of ink-coated films", Journal of Physics and Chemistry of Solids 146....2020



جامعة كفرالشيخ كلية الهندسة قسم الهندسة الكهربية

- 180) AR Sarhan, B Yousif, Nihal F. F. Areed: Salah S. A. Obaya, "Modelling of Fiber-Optic Gold SPR Sensor Using Different Dielectric Function Models: A Comparative Study.", Plasmonics...2020
- 181)EE Elsayed, BB Yousif, "Performance enhancement of the average spectral efficiency using an aperture averaging and spatial-coherence diversity based on the modified-PPM modulation for MISO FSO links" Optics Communications 463, 125463.....2020
- 182)B yousif, MA Abouelsuad, H Marouf, "High-Performance Enhancement of a GaAs Photodetector Using a Plasmonic Grating", Plasmonics....2020
- 183)BB Yousif, MM Ata, N Fawzy, M Obaya, "Toward an Optimized Neutrosophic k-Means With Genetic Algorithm for Automatic Vehicle License Plate Recognition (ONKM-AVLPR)", IEEE Access 8, 49285-49312....2020
- 184) AN Asl, B yousif, M Al-zalabani, "Design, modeling, and fabrication of a new compact perfect metamaterial X-band absorber", AIP Advances 10 (2).....2020
- 185)MB Shafik, H Chen, GI Rashed, "Planning and reliability assessment to integrate distributed automation system into distribution networks utilizing binary hybrid PSO and GSA algorithms considering uncertainties", International Transactions on Electrical Energy Systems, e12594....2020
- 186)GI Rashed, H Haider, MB Shafik, "Enhancing energy utilization efficiency of Pakistani system considering FACTS devices and distributed generation: Feasibility study", Chinese Journal of Electrical Engineering 6 (2), 66-82....2020
- 187)GI Rashed, H Haider, MB Shafik, "Improving the reliability of energy supply utilizing smart energy meter system based on GSM: case study in Pakistan", 2020 5th Asia Conference on Power and Electrical Engineering (ACPEE), 1080-1084...2020
- 188)MB Shafik, GI Rashed, H Chen, "Hybrid PSO-GSA for Optimal Distribution Networks Automation Considering Uncertainties", 2020 5th Asia Conference on Power and Electrical Engineering (ACPEE), 202-206....2020
- 189)MB Shafik, GI Rashed, H Chen, "Optimizing Energy Savings and Operation of Active Distribution Networks Utilizing Hybrid Energy Resources and Soft Open points: Case Study in Sohag, Egypt" IEEE Access 8, 28704-28717....2020
- 190)MM Ali, W Xu, MF Elmorshedy, Y Liu, M Dong "An Improved Finite-Set Model Predictive Current Control with Nonlinear Speed Regulator for Linear Induction Machine based on Linear Metro", 2020 IEEE Energy Conversion Congress and Exposition (ECCE), 5141-5147....2020
- 191) W Xu, MM Ali, MF Elmorshedy, SM Allam, C Mu, "One Improved Sliding Mode DTC for Linear Induction Machines based on Linear Metro", IEEE Transactions on Power Electronics....2020