

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Boulaaras, Z., Aouiche, A., Chafaa, K.	Intelligent FOPID and LQR Control for Adaptive a Quarter Vehicle Suspension System	fractional-order PID (FOPID), quarter car model, linear quadratic regulator (LQR), RMS error, active suspension system	25, 1-6, 1-8	https://doi.org/10.18280/ejee.251-601	Boulaaras, Z., Aouiche, A., Chafaa, K. (2023). Intelligent FOPID and LQR control for adaptive a quarter vehicle suspension system. European Journal of Electrical Engineering, Vol. 25, No. 1, pp. 1-8. https://doi.org/10.18280/ejee.251-601
2	Daouadi, R., Zaamouche, F., Attia, M., Houam, A.	Sensorless Field Oriented Control Applied for an Induction Machine by Using the Discontinuous PWM Strategy	induction machine, vector control, discontinuous pulse width modulation, inverter, field oriented control, space vector	25, 1-6, 9-14	https://doi.org/10.18280/ejee.251-602	Daouadi, R., Zaamouche, F., Attia, M., Houam, A. (2023). Sensorless field oriented control applied for an induction machine by using the discontinuous PWM strategy. European Journal of Electrical Engineering, Vol. 25, No. 1, pp. 9-14. https://doi.org/10.18280/ejee.251-602
3	Ourici, A., Abderaouf, B.	Optimal Energy Tracking in a Solar Power System Utilizing Synthetic Neural Network	solar panel, maximum power, artificial neural network, quadratic error	25, 1-6, 15-20	https://doi.org/10.18280/ejee.251-603	Ourici, A., Abderaouf, B. (2023). Optimal energy tracking in a solar power system utilizing synthetic neural network. European Journal of Electrical Engineering, Vol. 25, No. 1, pp. 15-20. https://doi.org/10.18280/ejee.251-603
4	Jebli, M., Martire, T., Laurentie, J.C., Pellecuer, G., Boyer, L., Castellon, J.	Development of Multicellular Converter with Magnetic Coupler for Space Charge Measurement on DC Cable	thermal step method, space charge, multicellular buck converter, magnetic coupler, cyclic cascade, DC/DC converter, non-intrusive measurement, DC cable	24, 5-6, 227-237	https://doi.org/10.18280/ejee.245-601	Jebli, M., Martire, T., Laurentie, J.C., Pellecuer, G., Boyer, L., Castellon, J. (2022). Development of multicellular converter with magnetic coupler for space charge measurement on DC cable. European Journal of Electrical Engineering, Vol. 24, No. 5-6, pp. 227-237. https://doi.org/10.18280/ejee.245-601
5	Attia, M., Zaamouche, F., Houam, A., Daouadi, R.	Stability Control Modeling and Simulation Strategy for an Electric Vehicle Using Two Separate Wheel Drives	electric vehicles, internal combustion vehicles, battery, <i>wheel, modeling, simulation</i>	24, 5-6, 239-245	https://doi.org/10.18280/ejee.245-602	Attia, M., Zaamouche, F., Houam, A., Daouadi, R. (2022). Stability control modeling and simulation strategy for an electric vehicle using two separate wheel drives. European Journal of Electrical Engineering, Vol. 24, No. 5-6, pp. 239-245. https://doi.org/10.18280/ejee.245-602
6	Belaroussi, O., Terki, A., Ammar, A., Fedorovich, K.V.	Developing and Implementing the Performance of Induction Motors Used in Well Pumping Systems	pumping system, induction motor, centrifugal pump, direct torque control, space vector modulation, DTC-SVM	24, 5-6, 247-256	https://doi.org/10.18280/ejee.245-603	Belaroussi, O., Terki, A., Ammar, A., Fedorovich, K.V. (2022). Developing and implementing the performance of induction motors used in well pumping systems. European Journal of Electrical Engineering, Vol. 24, No. 5-6, pp. 247-256. https://doi.org/10.18280/ejee.245-603
7	Houam, A., Zaamouche, F., Daouadi, R., Attia, M.	Efficiency Considerations of LLC Resonant Converter for Induction Heating Application	half-bridge inverter, LLC circuit, resonant tank, induction heating, rectifier	24, 5-6, 257-263	https://doi.org/10.18280/ejee.245-604	Houam, A., Zaamouche, F., Daouadi, R., Attia, M. (2022). Efficiency considerations of LLC resonant converter for induction heating application. European Journal of Electrical Engineering, Vol. 24, No. 5-6, pp. 257-263. https://doi.org/10.18280/ejee.245-604
8	Melkia, C., Ghodelbourk, S., Soufi, Y., Maamri, M., Bayoud, M.	Battery-Supercapacitor Hybrid Energy Storage Systems for Stand-Alone Photovoltaic	energy management, hybrid storage, photovoltaic panels, MPPT, batteries, Supercapacitor	24, 5-6, 265-271	https://doi.org/10.18280/ejee.245-605	Melkia, C., Ghodelbourk, S., Soufi, Y., Maamri, M., Bayoud, M. (2022). Battery-supercapacitor hybrid energy storage systems for stand-alone photovoltaic. European Journal of Electrical Engineering, Vol. 24, No. 5-6, pp. 265-271. https://doi.org/10.18280/ejee.245-605
9	Abdelaziz, A., El Moundher, A., Chaima, A., Hanane, D.	Identification of Photovoltaic Panel MPPT Using Neuro-Fuzzy Model	fuzzy inference systems, maximum power point tracking, modeling, photovoltaic panel	24, 5-6, 273-279	https://doi.org/10.18280/ejee.245-606	Abdelaziz, A., El Moundher, A., Chaima, A., Hanane, D. (2022). Identification of photovoltaic panel MPPT using neuro-fuzzy model. European Journal of Electrical Engineering, Vol. 24, No. 5-6, pp. 273-279. https://doi.org/10.18280/ejee.245-606
10	Pellecuer, G., Huselstein, J.J., Martiré, T., Forest, F., Chrysochoos, A., Jebli, M.	IGBT Wirebonds Ageing: A New Test Bench Development for Dedicated Modules Assemblies	wirebonds ageing, power cycling, specific samples design, test benches development	24, 4, 161-169	https://doi.org/10.18280/ejee.240401	Pellecuer, G., Huselstein, J.J., Martiré, T., Forest, F., Chrysochoos, A., Jebli, M. (2022). IGBT wirebonds ageing: A new test bench development for dedicated modules assemblies. European Journal of Electrical Engineering, Vol. 24, No. 4, pp. 161-169. https://doi.org/10.18280/ejee.240401
11	Fares, N., Aoulmi, Z., Thelaidjia, T., Ounnas, D.	Learning Machine Based on Optimized Dimensionality Reduction Algorithm for Fault Diagnosis of Rotor Broken Bars in Induction Machine	induction motor health monitoring, (BPSSO, BBAT and PCA) optimization algorithms, broken rotor bar, statistical features, wavelet packet transform (WPT), random forest (RF), artificial neural network (ANN)	24, 4, 171-183	https://doi.org/10.18280/ejee.240402	Fares, N., Aoulmi, Z., Thelaidjia, T., Ounnas, D. (2022). Learning machine based on optimized dimensionality reduction algorithm for fault diagnosis of rotor broken bars in induction machine. European Journal of Electrical Engineering, Vol. 24, No. 4, pp. 171-183. https://doi.org/10.18280/ejee.240402
12	Boukahil, F.Z., Charrouf, O., Abdeddaim, S., Betka, A., Menadi, A.	The Shading Effect on Photovoltaic Generator (GPV) Based on Reverse Osmosis (RO) Desalination System in Algeria	desalination, extremum seeking control (ESC), MATLAB/Simulink, maximum power point tracking (MPPT), perturb and observe (PO), photovoltaic (PV), reverse osmosis (RO), shading	24, 4, 185-193	https://doi.org/10.18280/ejee.240403	Boukahil, F.Z., Charrouf, O., Abdeddaim, S., Betka, A., Menadi, A. (2022). The shading effect on photovoltaic generator (GPV) based on reverse osmosis (RO) desalination system in Algeria. European Journal of Electrical Engineering, Vol. 24, No. 4, pp. 185-193. https://doi.org/10.18280/ejee.240403
13	Ali, N.B.S., Ghodelbourk, S., Zerzouri, N.	Battery Storage System Design Using PWM Current and Voltage Controllers	photovoltaic system, lithium-ion battery, boost chopper, bidirectional DC-DC converter, PWM controller	24, 4, 195-200	https://doi.org/10.18280/ejee.240404	Ali, N.B.S., Ghodelbourk, S., Zerzouri, N. (2022). Battery storage system design using PWM current and voltage controllers. European Journal of Electrical Engineering, Vol. 24, No. 4, pp. 195-200. https://doi.org/10.18280/ejee.240404
14	Tacca, H.E.	Maximum Active Power Transmission Efficiency and Apparent Power Definition with Arbitrary Waveforms	apparent power, hybrid grids, non-linear loads, non-sinusoidal systems, power factor, power electronics	24, 4, 201-211	https://doi.org/10.18280/ejee.240405	Tacca, H.E. (2022). Maximum active power transmission efficiency and apparent power definition with arbitrary waveforms. European Journal of Electrical Engineering, Vol. 24, No. 4, pp. 201-211. https://doi.org/10.18280/ejee.240405
15	Rechach, A., Ghodelbourk, S., Larbi, M.M.	Impact of Choice of Neutral Point Clamped and H-Bridge Multilevel Inverters for PV Systems	multilevel inverter, neutral point clamped (NPC), cascaded H-Bridge (HB), photovoltaic generator, total harmonic distortion (THD)	24, 4, 213-219	https://doi.org/10.18280/ejee.240406	Rechach, A., Ghodelbourk, S., Larbi, M.M. (2022). Impact of choice of neutral point clamped and H-Bridge multilevel inverters for PV systems. European Journal of Electrical Engineering, Vol. 24, No. 4, pp. 213-219. https://doi.org/10.18280/ejee.240406
16	Bella, M., Ghomazi, M.	I_V Characteristic of Vertical Double Diffused Metal Oxide Semiconductor (VDMOS) Power Transistor Using Silvaco-TCAD	VDMOS transistor, threshold voltage, work function, software Silvaco-TCAD	24, 4, 221-225	https://doi.org/10.18280/ejee.240407	Bella, M., Ghomazi, M. (2022). I_V characteristic of vertical double diffused metal oxide semiconductor (VDMOS) power transistor using Silvaco-TCAD. European Journal of Electrical Engineering, Vol. 24, No. 4, pp. 221-225. https://doi.org/10.18280/ejee.240407

17	Meddour, S., Rahem, D., Wira, P., Laib, H., Cherif, A.Y., Chtouki, I.	Design and Implementation of an Improved Metaheuristic Algorithm for Maximum Power Point Tracking Algorithm Based on a PV Emulator and a Double-Stage Grid-Connected System	MPPT, converter, PV emulator, PV system, two level full-bridge inverter, PI controller, FS-MPC	24, 3, 123-131	https://doi.org/10.18280/ejee.240301	Meddour, S., Rahem, D., Wira, P., Laib, H., Cherif, A.Y., Chtouki, I. (2022). Design and implementation of an improved metaheuristic algorithm for maximum power point tracking algorithm based on a PV emulator and a double-stage grid-connected system. European Journal of Electrical Engineering, Vol. 24, No. 3, pp. 123-131. https://doi.org/10.18280/ejee.240301
18	Banharkou, I., Gherbi, S., Mehennaoui, L.	A Robust LQR-Based Fuzzy-Immune PID Applied for a Greenhouse Temperature Networked Control	fuzzy-immune PID, networked control system, linear quadratic regulator, robustness, greenhouse temperature control	24, 3, 133-138	https://doi.org/10.18280/ejee.240302	Banharkou, I., Gherbi, S., Mehennaoui, L. (2022). A robust LQR-based fuzzy-immune PID applied for a greenhouse temperature networked control. European Journal of Electrical Engineering, Vol. 24, No. 3, pp. 133-138. https://doi.org/10.18280/ejee.240302
19	Zhang, B.G., Jiao, Y.M., Ping, S.Y., Wu, B.X.	Capacitor Converter DC Circuit Breaker with Current Limiting Function	capacitor converter, current limiting function, DC transmission, DC circuit breaker	24, 3, 139-147	https://doi.org/10.18280/ejee.240303	Zhang, B.G., Jiao, Y.M., Ping, S.Y., Wu, B.X. (2022). Capacitor converter DC circuit breaker with current limiting function. European Journal of Electrical Engineering, Vol. 24, No. 3, pp. 139-147. https://doi.org/10.18280/ejee.240303
20	Bouguerne, A., Ghodelbourk, S., Boukadoum, A.	Classification of Induction Motor Bearing Failures Through Retro-Propagation Neural Network Algorithm and Adaptive Neuro-Fuzzy Inference System of Type Takagi-Sugeno	classification, induction motor, bearing, artificial intelligence techniques, artificial neural networks, adaptive neuro-fuzzy inference system, Takagi-Sugeno	24, 3, 149-154	https://doi.org/10.18280/ejee.240304	Bouguerne, A., Ghodelbourk, S., Boukadoum, A. (2022). Classification of induction motor bearing failures through retro-propagation neural network algorithm and adaptive neuro-fuzzy inference system of type Takagi-Sugeno. European Journal of Electrical Engineering, Vol. 24, No. 3, pp. 149-154. https://doi.org/10.18280/ejee.240304
21	Cherfi, M.K., Gacemi, A., Morsli, A., Tlemçani, A.	A Photovoltaic System Controlled by the Particle Swarm Optimization Algorithm Supplied a Shunt Active Power Filter	maximum power point tracking (MPPT), particle swarm optimization (PSO), photovoltaic system, shunt active power filter (SAPF)	24, 3, 155-160	https://doi.org/10.18280/ejee.240305	Cherfi, M.K., Gacemi, A., Morsli, A., Tlemçani, A. (2022). A photovoltaic system controlled by the particle swarm optimization algorithm supplied a shunt active power filter. European Journal of Electrical Engineering, Vol. 24, No. 3, pp. 155-160. https://doi.org/10.18280/ejee.240305
22	Tidjani, B., Rebah, N., Djalel, D.	A New Model to Predict the Global Solar Radiation GSR of Souk-Ahras City	solar energy, global solar irradiance, modeling, prediction	24, 2, 67-76	https://doi.org/10.18280/ejee.240201	Tidjani, B., Rebah, N., Djalel, D. (2022). A new model to predict the global solar radiation GSR of Souk-Ahras city. European Journal of Electrical Engineering, Vol. 24, No. 2, pp. 67-76. https://doi.org/10.18280/ejee.240201
23	Dahdouh, A., Mazouz, L., Youcefa, B.E.	Nonlinear Predictive Direct Power Control Based on Space Vector Modulation of 3-Phase 3-Level Solar PV Integrated Unified Power Quality Conditioner	harmonic extraction, photovoltaic generator (PVG), unified power quality conditioner (UPQC), feedback linearisation controller, space vector modulation (SVM), predictive direct power control (PDPC)	24, 2, 77-88	https://doi.org/10.18280/ejee.240202	Dahdouh, A., Mazouz, L., Youcefa, B.E. (2022). Nonlinear predictive direct power control based on space vector modulation of 3-phase 3-level solar PV integrated unified power quality conditioner. European Journal of Electrical Engineering, Vol. 24, No. 2, pp. 77-88. https://doi.org/10.18280/ejee.240202
24	Nacera, Y., Hamza, H., Ghania, O., Mhemed, R.	Multi-Turn Modeling of a Power Transformer under an Inter-Turn Short-Circuit Fault	inter-turn fault, multi-turn transformer, state model, coupled circuits	24, 2, 89-96	https://doi.org/10.18280/ejee.240203	Nacera, Y., Hamza, H., Ghania, O., Mhemed, R. (2022). Multi-turn modeling of a power transformer under an inter-turn short-circuit fault. European Journal of Electrical Engineering, Vol. 24, No. 2, pp. 89-96. https://doi.org/10.18280/ejee.240203
25	Attia, M., Bechouat, M., Sedraoui, M., Aoulmi, Z.	An Optimal Linear Quadratic Regulator in Closed Loop with Boost Converter for Current Photovoltaic Application	PV panel, DC-DC boost converter, maximum power point tracking MPPT controller, grasshopper optimization algorithm GOA	24, 2, 97-103	https://doi.org/10.18280/ejee.240204	Attia, M., Bechouat, M., Sedraoui, M., Aoulmi, Z. (2022). An optimal linear quadratic regulator in closed loop with boost converter for current photovoltaic application. European Journal of Electrical Engineering, Vol. 24, No. 2, pp. 97-103. https://doi.org/10.18280/ejee.240204
26	Houam, A., Zaamouche, F., Ounnas, D.	DPWM Applying for Five-Level NPC VSI Powered by PV-Boost Converter Based on Takagi Sugeno Fuzzy Model	PV system, boost converter, T-S fuzzy model, LMIs, NPC inverter, DPWM	24, 2, 105-112	https://doi.org/10.18280/ejee.240205	Houam, A., Zaamouche, F., Ounnas, D. (2022). DPWM applying for five-level NPC VSI powered by PV-boost converter based on Takagi Sugeno fuzzy model. European Journal of Electrical Engineering, Vol. 24, No. 2, pp. 105-112. https://doi.org/10.18280/ejee.240205
27	Benslimane, A., Benslimane, Y.	Increase Stability and Efficiency in PV-Battery-Grid Systems Using PSO Algorithm	particle swarm optimization, fuzzy control, photovoltaic cells, microgrids, bidirectional power flow	24, 2, 113-121	https://doi.org/10.18280/ejee.240206	Benslimane, A., Benslimane, Y. (2022). Increase stability and efficiency in PV-battery-grid systems using PSO algorithm. European Journal of Electrical Engineering, Vol. 24, No. 2, pp. 113-121. https://doi.org/10.18280/ejee.240206
28	Mennad, M., Abderrahim, B., Youcef, D.	Advanced Multilayer Cascade Multilayer Deep Neural Network Based Grid Integration of Hybrid PV and Wind Energy System	photovoltaic, wind, CFNN, power grid, fuzzy, indirect flux oriented control (IFOC)	24, 1, 1-12	https://doi.org/10.18280/ejee.240101	Mennad, M., Abderrahim, B., Youcef, D. (2022). Advanced multilayer cascade multilayer deep neural network based grid integration of hybrid PV and wind energy system. European Journal of Electrical Engineering, Vol. 24, No. 1, pp. 1-12. https://doi.org/10.18280/ejee.240101
29	Chemidi, A., Horch, M., Bourouis, M.E.A.	A New Robust RST Controller Based on PSO Optimization for DFIG Wind Turbine	Double Fed Induction Generator (DFIG), Particle Swarm Optimization (PSO), RST controller, wind turbine	24, 1, 13-20	https://doi.org/10.18280/ejee.240102	Chemidi, A., Horch, M., Bourouis, M.E.A. (2022). A new robust RST controller based on PSO optimization for DFIG wind turbine. European Journal of Electrical Engineering, Vol. 24, No. 1, pp. 13-20. https://doi.org/10.18280/ejee.240102
30	Imene, D., Djemai, N., Ahmed, S., Anes, B.	Optimal DG Integration Using Artificial Ecosystem-Based Optimization (AEO) Algorithm	Distributed Generation (DG), power loss, voltage profile, AEO, active network management, power distribution network	24, 1, 21-26	https://doi.org/10.18280/ejee.240103	Imene, D., Djemai, N., Ahmed, S., Anes, B. (2021). Optimal DG integration using artificial ecosystem-based optimization (AEO) algorithm. European Journal of Electrical Engineering, Vol. 24, No. 1, pp. 21-26. https://doi.org/10.18280/ejee.240103
31	Nasir, B.A.	Dynamic Modeling of Wound-Rotor Slip-Ring Induction Generator with Switched-Excitation Capacitance and Chopper Resistance Across Bridge Rectifier in the Rotor Circuit	wound rotor slip-ring induction generator, chopper resistance, switched capacitance in H-bridge inverter, synchronously rotating reference frame	24, 1, 27-32	https://doi.org/10.18280/ejee.240104	Nasir, B.A. (2022). Dynamic modeling of wound-rotor slip-ring induction generator with switched-excitation capacitance and chopper resistance across bridge rectifier in the rotor circuit. European Journal of Electrical Engineering, Vol. 24, No. 1, pp. 27-32. https://doi.org/10.18280/ejee.240104
32	Ghennou, S., Nasser, T.M., Benmoussa, D., Chellali, B.	Energy Optimization of a Purely Renewable Autonomous Micro-Grid to Supply a Tourist Region	electrolyzer, fuel cell, homer pro software, hydrogen tank, PV energy, power to hydrogen to power, renewable energy, stand-alone microgrid	24, 1, 33-39	https://doi.org/10.18280/ejee.240105	Ghennou, S., Nasser, T.M., Benmoussa, D., Chellali, B. (2022). Energy optimization of a purely renewable autonomous micro-grid to supply a tourist region. European Journal of Electrical Engineering, Vol. 24, No. 1, pp. 33-39. https://doi.org/10.18280/ejee.240105

33	Hedara, R., Nemlich, S.	Comparative Study and Experimental Optimization of Ozone Generators by Cylindrical Surface Dielectric Barrier Discharge (DBD)	ozone generators, DBD generator, surface discharge, experimental design, response surface modeling	24, 1, 41-46	https://doi.org/10.18280/ejee.240106	Hedara, R., Nemlich, S. (2022). Comparative study and experimental optimization of ozone generators by cylindrical surface dielectric barrier discharge (DBD). <i>European Journal of Electrical Engineering</i> , Vol. 24, No. 1, pp. 41-46. https://doi.org/10.18280/ejee.240106
34	Cherki, Z., Tandjaoui, M.N., Sellam, M.	Algeria's Satisfaction of the Valorization of the Wind Energies Exploitation in Southern Algeria (KABERTEN Region) in Order to Produce Electrical Energy	clean energy, renewable energy, wind potential, wind power	24, 1, 47-53	https://doi.org/10.18280/ejee.240107	Cherki, Z., Tandjaoui, M.N., Sellam, M. (2022). Algeria's satisfaction of the valorization of the wind energies exploitation in southern Algeria (KABERTEN region) in order to produce electrical energy. <i>European Journal of Electrical Engineering</i> , Vol. 24, No. 1, pp. 47-53. https://doi.org/10.18280/ejee.240107
35	Subhash, B., Rajagopal, V.	EPLL Control Technique Optimum Controller Gains to Control Voltage and Frequency in Standalone Wind Energy Conversion System	standalone wind energy conversion system (SWECS), induction generator (IG), battery energy storage system (BESS), PI controller, voltage and frequency controller (VFC), zigzag transformer, particle swarm optimization (PSO)	24, 1, 55-65	https://doi.org/10.18280/ejee.240108	Subhash, B., Rajagopal, V. (2022). EPLL control technique optimum controller gains to control voltage and frequency in standalone wind energy conversion system. <i>European Journal of Electrical Engineering</i> , Vol. 24, No. 1, pp. 55-65. https://doi.org/10.18280/ejee.240108
36	Rechach, A., Ghodelbourk, S., Aoulmi, Z., Djalel, D.	Smart Controls for Switched Reluctance Motor 8/6 Used for Electric Vehicles Underground Mining Security	direct torque control, artificial neural network controller, fractional order controller, switched reluctance motor, electrical vehicle, underground mines security	23, 6, 423-432	https://doi.org/10.18280/ejee.230601	Rechach, A., Ghodelbourk, S., Aoulmi, Z., Djalel, D. (2021). Smart controls for switched reluctance motor 8/6 used for electric vehicles underground mining security. <i>European Journal of Electrical Engineering</i> , Vol. 23, No. 6, pp. 423-432. https://doi.org/10.18280/ejee.230601
37	Rahmoune, M., Chettih, S.	Forecasting of Electricity Demand by Hybrid ANN-PSO under Shadow of the COVID-19 Pandemic	particle swarm optimization, artificial neural network, short term load forecasting, COVID-19	23, 6, 433-438	https://doi.org/10.18280/ejee.230602	Rahmoune, M., Chettih, S. (2021). Forecasting of electricity demand by hybrid ANN-PSO under shadow of the COVID-19 pandemic. <i>European Journal of Electrical Engineering</i> , Vol. 23, No. 6, pp. 433-438. https://doi.org/10.18280/ejee.230602
38	Nesser, M., Maloberti, O., Salloum, E., Dupuy, J., Fortin, J.	Influence of a Laser Irradiation and Laser Scribing on Magnetic Properties of GO Silicon Steels Sheets Using a Nanosecond Fiber Laser	coercive field, grain-oriented, irradiation, laser scribing, magnetization properties, silicon steels	23, 6, 439-444	https://doi.org/10.18280/ejee.230603	Nesser, M., Maloberti, O., Salloum, E., Dupuy, J., Fortin, J. (2021). Influence of a laser irradiation and laser scribing on magnetic properties of GO silicon steels sheets using a nanosecond fiber laser. <i>European Journal of Electrical Engineering</i> , Vol. 23, No. 6, pp. 439-444. https://doi.org/10.18280/ejee.230603
39	Mini, Y., Nguyen, N.K., Semail, E.	Sensorless Control for Non-Sinusoidal Five-Phase Interior PMSM Based on Sliding Mode Observer	back-EMF observer, electrical integrated drive, five-phase interior permanent magnet synchronous machine, sensorless control, sliding mode observer	23, 6, 445-454	https://doi.org/10.18280/ejee.230604	Mini, Y., Nguyen, N.K., Semail, E. (2021). Sensorless control for non-sinusoidal five-phase interior PMSM based on sliding mode observer. <i>European Journal of Electrical Engineering</i> , Vol. 23, No. 6, pp. 445-454. https://doi.org/10.18280/ejee.230604
40	Margot, G.L., Corinne, A., Bruno, J.	Identification of ESS Degradations Related to Their Uses in Micro-Grids: Application to a Building Lighting Network with VRLA Batteries	battery ageing mechanisms, cycle lifetime, charge protocol, energy storage, Lead-acid battery, micro-grid, PV, VRLA batteries	23, 6, 455-466	https://doi.org/10.18280/ejee.230605	Margot, G.L., Corinne, A., Bruno, J. (2021). Identification of ESS degradations related to their uses in micro-grids: Application to a building lighting network with VRLA batteries. <i>European Journal of Electrical Engineering</i> , Vol. 23, No. 6, pp. 455-466. https://doi.org/10.18280/ejee.230605
41	Azzoug, Y., Pusca, R., Sahraoui, M., Ammar, A., Ameid, T., Romary, R., Cardoso, A.J.M.	An Active Fault-Tolerant Control Strategy for Current Sensors Failure for Induction Motor Drives Using a Single Observer for Currents Estimation and Axes Transformation	direct torque control, fault-tolerant control, fault detection, induction motor drive, current estimation	23, 6, 467-474	https://doi.org/10.18280/ejee.230606	Azzoug, Y., Pusca, R., Sahraoui, M., Ammar, A., Ameid, T., Romary, R., Cardoso, A.J.M. (2021). An active fault-tolerant control strategy for current sensors failure for induction motor drives using a single observer for currents estimation and axes transformation. <i>European Journal of Electrical Engineering</i> , Vol. 23, No. 6, pp. 467-474. https://doi.org/10.18280/ejee.230606
42	Amor, Y.A., Didier, G., Hamoudi, F.	Protection of MTDC Network Using a Resistive Type Superconducting Fault Current Limiter	five terminal MTDC, resistive type SFCL, hybrid DC circuit breaker, DC fault, transient stability	23, 6, 475-480	https://doi.org/10.18280/ejee.230607	Amor, Y.A., Didier, G., Hamoudi, F. (2021). Protection of MTDC network using a resistive type superconducting fault current limiter. <i>European Journal of Electrical Engineering</i> , Vol. 23, No. 6, pp. 475-480. https://doi.org/10.18280/ejee.230607
43	Darques, K., Tounzi, A., Benabou, A., Shihab, S., Korecki, J., Boughanmi, W., Laloy, D.	Iron Loss Quantification in the Aim of the Estimation of Eddy Currents in Clamping Devices	iron losses, eddy currents, finite element method, end effects	23, 6, 481-486	https://doi.org/10.18280/ejee.230608	Darques, K., Tounzi, A., Benabou, A., Shihab, S., Korecki, J., Boughanmi, W., Laloy, D. (2021). Iron loss quantification in the aim of the estimation of eddy currents in clamping devices. <i>European Journal of Electrical Engineering</i> , Vol. 23, No. 6, pp. 481-486. https://doi.org/10.18280/ejee.230608
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171	Shen, Z.J., Wang, R.G.	Design and application of an improved least mean square algorithm for adaptive filtering	Adaptive Filtering, Least Mean Square (LMS) algorithm, variable step size, noise cancelation	21, 3, 303-307	https://doi.org/10.18280/ejee.210307	Shen, Z.J., Wang, R.G. (2019). Design and application of an improved least mean square algorithm for adaptive filtering. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 303-307. https://doi.org/10.18280/ejee.210307
172	Saleh, S.M., Farag, A.S.	Review fixed-speed wind turbine control strategies for direct grid connection	Fixed Speed Wind Turbine (FSWT), gear ration control, excitation capacitor control, realistic wind model, squirrel cage generator	21, 3, 309-315	https://doi.org/10.18280/ejee.210308	Saleh, S.M., Farag, A.S. (2019). Review fixed-speed wind turbine control strategies for direct grid connection. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 309-315. https://doi.org/10.18280/ejee.210308
173	Chen, L., Han, W., Huang, Y.H., Cao, X.	Online fault diagnosis for photovoltaic modules based on probabilistic neural network	Photovoltaic (PV) Modules, Fault Diagnosis, Probabilistic Neural Network (PNN), backpropagation neural network (BPNN)	21, 3, 317-325	https://doi.org/10.18280/ejee.210309	Chen, L., Han, W., Huang, Y.H., Cao, X. (2019). Online fault diagnosis for photovoltaic modules based on probabilistic neural network. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 317-325. https://doi.org/10.18280/ejee.210309
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175	Medjmadj, S.	Fault tolerant control of pmsm drive using luenberger and adaptive back-EMF observers	PMSM, Fault Tolerant Control (FTC), mechanical sensor failure, voting algorithm, sensorless control	21, 3, 333-339	https://doi.org/10.18280/ejee.210311	Medjmadj, S. (2019). Fault tolerant control of pmsm drive using luenberger and adaptive Back-EMF observers. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 333-339. https://doi.org/10.18280/ejee.210311
176	Herizi, O., Barkat, S.	Backstepping control associated to modified space vector modulation for quasi z-source inverter fed by a PEMFC	quasi z-source inverter, modified space vector modulation, backstepping control, fuel cell	21, 2, 125-132	https://doi.org/10.18280/ejee.210201	Herizi, O., Barkat, S. (2019). Backstepping control associated to modified space vector modulation for quasi z-source inverter fed by a PEMFC. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 125-132. https://doi.org/10.18280/ejee.210201

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178	Rayalla, R., Ambati, R.S., Gara, B.U.B.	An improved fractional filter fractional IMC-PID controller design and analysis for enhanced performance of non-integer order plus time delay processes	internal model control, robustness, fragility, fractional imc filter structure, uncertainty	21, 2, 139-147	https://doi.org/10.18280/ejee.210203	Rayalla, R., Ambati, R.S., Gara, B.U.B. (2019). An improved fractional filter fractional IMC-PID controller design and analysis for enhanced performance of non-integer order plus time delay processes. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 139-147. https://doi.org/10.18280/ejee.210203
179	Griche, I., Messalti, S., Saoudi, K., Touafek, M.Y.	A new adaptive neuro-fuzzy inference system (ANFIS) and pi controller to voltage regulation of power system equipped by wind turbine	power network, Distributed Generator (DG), simulation, intelligent controller	21, 2, 149-155	https://doi.org/10.18280/ejee.210204	Griche, I., Messalti, S., Saoudi, K., Touafek, M.Y. (2019). A new adaptive neuro-fuzzy inference system (ANFIS) and PI controller to voltage regulation of power system equipped by wind turbine. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 149-155. https://doi.org/10.18280/ejee.210204
180	Wang, X.D., Zhu, J.	Research and applications of high-voltage pulse discharge crushing	High-Voltage Pulse Discharge (HVPD), crushing, engineering applications, fuse explosion method, electrohydraulic effect method	21, 2, 157-163	https://doi.org/10.18280/ejee.210205	Wang, X.D., Zhu, J. (2019). Research and applications of high-voltage pulse discharge crushing. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 157-163. https://doi.org/10.18280/ejee.210205
181	Ghaitaoui, T., Benatallah, A., Khachab, H., Sahli, Y., Koussa, K.	Neural network modeling and experimental evaluation of organic solar panel performance in algerian sahara	organic solar cells, artificial neural network, electrical parameters, voltage-current characteristic, PV panel	21, 2, 165-169	https://doi.org/10.18280/ejee.210206	Ghaitaoui, T., Benatallah, A., Khachab, H., Sahli, Y., Koussa, K. (2019). Neural network modeling and experimental evaluation of organic solar panel performance in algerian sahara. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 165-169. https://doi.org/10.18280/ejee.210206
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189	Parenden, D., Hariyanto.	Simulation of photovoltaic concentration with fresnel lens using simulink matlab	photovoltaic, solar irradiation, spectrum light, fresnel lens, output daya, efisiensi	21, 2, 223-227	https://doi.org/10.18280/ejee.210214	Parenden, D., Hariyanto. (2019). Simulation of photovoltaic concentration with Fresnel lens using Simulink MATLAB. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 223-227. https://doi.org/10.18280/ejee.210214
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204	Lokriti, A., Salhi, I., Doubabi, S.	DSPACE based implementation of DRFOC using hysteresis stator flux controllers for IM	Induction Motor, Direct Rotor Field Oriented Control, Flux Distortion, Reduced Switching Table	21, 1, 61-66	https://doi.org/10.18280/ejee.210110	Lokriti, A., Salhi, I., Doubabi, S. (2019). DSPACE based implementation of DRFOC using hysteresis stator flux controllers for IM. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 1, pp. 61-66. https://doi.org/10.18280/ejee.210110
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214	Shao, Z.H., Zhong, Z.X., Lin, W.Z.	Reliability analysis and matpower simulation of IEEE14 node based on mixed entropy measure	Mixed Entropy, Chain Failures, Vulnerability, Reliability Analysis	20, 5-6, 573-588	https://doi.org/10.3166/EJEE.20.573-588	Shao, Z.H., Zhong, Z.X., Lin, W.Z. (2018). Reliability analysis and matpower simulation of IEEE14 node based on mixed entropy measure. European Journal of Electrical Engineering, Vol. 20, No. 5-6, pp. 573-588. https://doi.org/10.3166/EJEE.20.573-588
215	Manukonda, D., Gorantla, S.R.	Design and comparison of MPPT based oscillatory wind turbine with conventional wind turbine	Oscillatory Wind Turbine, Perturb and Observe Maximum Power Point Tracking (MPPT), Fuzzy PID Controller, Conventional Wind Turbine	20, 5-6, 589-600	https://doi.org/10.3166/EJEE.20.589-600	Manukonda, D., Gorantla, S.R. (2018). Design and comparison of MPPT based oscillatory wind turbine with conventional wind turbine. European Journal of Electrical Engineering, Vol. 20, No. 5-6, pp. 589-600. https://doi.org/10.3166/EJEE.20.589-600
216	Lenin, K.	Real power loss diminution by camelopard optimization algorithm	Optimal Reactive Power, Transmission Loss, Camelopard Optimization Algorithm	20, 5-6, 601-616	https://doi.org/10.3166/EJEE.20.601-616	Lenin, K. (2018). Real power loss diminution by camelopard optimization algorithm. European Journal of Electrical Engineering, Vol. 20, No. 5-6, pp. 601-616. https://doi.org/10.3166/EJEE.20.601-616
217	Katuril, R., Gorantla, S.	Performance analysis of hybrid controller for automatic switching between energy sources of hybrid energy storage system	Proportional-Derivative Controller, Math Function-Based Controller, Ultracapacitor, Battery	20, 5-6, 617-630	https://doi.org/10.3166/EJEE.20.617-630	Katuril, R., Gorantla, S. (2018). Performance analysis of hybrid controller for automatic switching between energy sources of hybrid energy storage system. European Journal of Electrical Engineering, Vol. 20, No. 5-6, pp. 617-630. https://doi.org/10.3166/EJEE.20.617-630
218	Liu, Z., Liang, X., Huang, M., Ning, T.	Optimization of over-modulation technology for traction inverters	Switching Frequency, Over-Modulation, Harmonic Content, Modulation Factor	20, 5-6, 631-643	https://doi.org/10.3166/EJEE.20.631-643	Liu, Z., Liang, X., Huang, M., Ning, T. (2018). Optimization of over-modulation technology for traction inverters. European Journal of Electrical Engineering, Vol. 20, No. 5-6, pp. 631-643. https://doi.org/10.3166/EJEE.20.631-643
219	Abdelghafour, H., Abderrahmen, B., Samir, Z., Riyadh, R.	Backstepping control of a doubly-fed induction machine based on fuzzy controller	Doubly-Fed Induction Machine (DFIM), Backstepping Control, Theory of Lyapunov, Stator Flux Orientation, Fuzzy Logic, Hybrid Control, Robustness	20, 5-6, 645-657	https://doi.org/10.3166/EJEE.20.645-657	Abdelghafour, H., Abderrahmen, B., Samir, Z., Riyadh, R. (2018). Backstepping control of a doubly-fed induction machine based on fuzzy controller. European Journal of Electrical Engineering, Vol. 20, No. 5-6, pp. 645-657. https://doi.org/10.3166/EJEE.20.645-657
220	Choudhary, R., Jain, S.	Second order resistance with homogeneous-heterogeneous reactions for casson fluid in stagnation point flow and falkner-skan flow under presence of induced magnetic field	Homogeneous-heterogeneous, Falkner-Skan flow, Casson fluid, Induced magnetic field, Second order resistance	20, 5-6, 659-686	https://doi.org/10.3166/EJEE.20.659-686	Choudhary, R., Jain, S. (2018). Second order resistance with homogeneous-heterogeneous reactions for casson fluid in stagnation point flow and falkner-skan flow under presence of induced magnetic field. European Journal of Electrical Engineering, Vol. 20, No. 5-6, pp. 659-686. https://doi.org/10.3166/EJEE.20.659-686
221	Hadda, B., Larbi, C., Abdessalam, M.	A new technique of second order sliding mode control applied to induction motor	Induction Motor Control, Second Order Sliding Mode, Twisting Algorithm, Sliding Mode Observer, Robust Control	20, 4, 399-412	https://doi.org/10.3166/EJEE.20.399-412	Hadda, B., Larbi, C., Abdessalam, M. (2018). A new technique of second order sliding mode control applied to induction motor. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 399-412. https://doi.org/10.3166/EJEE.20.399-412
222	Shaik, K.P., Mohammad, M.H., Karimulla, S., Irshad, S.M.	Single stage boost inverter with low switching modulation technique	Single Stage Boost Inverter (SSBI), Low Switching Modulation (LSM), Voltage Stress, Current Stress	20, 4, 413-426	https://doi.org/10.3166/EJEE.20.413-426	Shaik, K.P., Mohammad, M.H., Karimulla, S., Irshad, S.M. (2018). Single stage boost inverter with low switching modulation technique. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 413-426. https://doi.org/10.3166/EJEE.20.413-426
223	Singhal, K., Goyal, G.R.	Comparative study of power consumption minimization in analog electronic circuit using AI techniques	Hybrid Algorithm, Power Consumption Minimization, Frequency Response Analysis, AI Techniques	20, 4, 427-438	https://doi.org/10.3166/EJEE.20.427-438	Singhal, K., Goyal, G.R. (2018). Comparative study of power consumption minimization in analog electronic circuit using AI techniques. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 427-438. https://doi.org/10.3166/EJEE.20.427-438
224	Du, Y., Shi, F., Chen, Q.X., Wang, Y.Q., Zhao, J.Z., Li, Q.	An improved particle swarm scheduling algorithm based on batch changing production time	Multi-Time, Multi-Variety, Variable Batch, Parallel Machine Scheduling, Improved Particle Swarm Optimization Algorithm	20, 4, 439-453	https://doi.org/10.3166/EJEE.20.439-453	Du, Y., Shi, F., Chen, Q.X., Wang, Y.Q., Zhao, J.Z., Li, Q. (2018). An improved particle swarm scheduling algorithm based on batch changing production time. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 439-453. https://doi.org/10.3166/EJEE.20.439-453

225	Manikandan, P., Khan, F.A.	Analysis of multimode oscillations caused by subsynchronous resonance on generator shaft	Modal analysis, subsynchronous resonance, turbine-generator, finite element method	20, 4, 455-468	https://doi.org/10.3166/EJEE.20.455-468	Manikandan, P., Khan, F.A. (2018). Analysis of multimode oscillations caused by subsynchronous resonance on generator shaft. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 455-468. https://doi.org/10.3166/EJEE.20.455-468
226	Rao, D.S.N.M., Kumar, N.	Optimal load dispatch solution of power system using enhanced harmony search algorithm	Non Convex, Economic Load Dispatch, Harmony Search Algorithm (HS), Enhanced Harmony Search Algorithm (EHS), Valve Point Loading	20, 4, 469-483	https://doi.org/10.3166/EJEE.20.469-483	Rao, D.S.N.M., Kumar, N. (2018). Optimal load dispatch solution of power system using enhanced harmony search algorithm. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 469-483. https://doi.org/10.3166/EJEE.20.469-483
227	Liu, T.	Status analysis and development planning for the network of charging stations	Electric Vehicles, Network of Charging Stations, Convenience	20, 4, 485-498	https://doi.org/10.3166/EJEE.20.485-498	Liu, T. (2018). Status analysis and development planning for the network of charging stations. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 485-498. https://doi.org/10.3166/EJEE.20.485-498
228	Aboelazm, Y.M., Wahba, W.E., Moustafa Hassan, M.A.	Mitigation of voltage swells in IEEE 30 bus and IEEE 57 bus systems using evolutionary techniques	Advanced Flexible Ac Transmission System, Power Quality, Swarm Intelligence, Total Harmonic Distortion, Voltage Swell Mitigation	20, 4, 499-516	https://doi.org/10.3166/EJEE.20.499-516	Aboelazm, Y.M., Wahba, W.E., Moustafa Hassan, M.A. (2018). Mitigation of voltage swells in IEEE 30 bus and IEEE 57 bus systems using evolutionary techniques. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 499-516. https://doi.org/10.3166/EJEE.20.499-516
229	Ismail, G., Toufik, B.M., Said, B.	Real time implementation of feedback linearization control based three phase shunt active power filter	Harmonics, Shunt Active Filter, Feedback, Total Harmonic Distortion	20, 4, 517-532	https://doi.org/10.3166/EJEE.20.517-532	Ismail, G., Toufik, B.M., Said, B. (2018). Real time implementation of feedback linearization control based three phase shunt active power filter. European Journal of Electrical Engineering, Vol. 20, No. 4, pp. 517-532. https://doi.org/10.3166/EJEE.20.517-532
230	Aboelazm, Y.M., Wahba, W.E., Moustafa Hassan, M.A.	Simulation of advanced STATCOM for voltage swell mitigation in large-scale test system based on swarm intelligence algorithms	Advanced Flexible Ac Transmission System, Evolutionary Techniques, Power Quality, Total Harmonic Distortion, Voltage Swell Mitigation	20, 3, 253-266	https://doi.org/10.3166/EJEE.20.253-266	Aboelazm, Y.M., Wahba, W.E., Moustafa Hassan, M.A. (2018). Simulation of advanced STATCOM for voltage swell mitigation in large-scale test system based on swarm intelligence algorithms. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 253-266. https://doi.org/10.3166/EJEE.20.253-266
231	Venkatesh, P.M., Babu, A.R.V., Suresh, K.	Experimental investigations on modified Savonius wind turbine with curtain arrangements in the middle of the highway	Modified Savonius Wind Turbine, Boost Power Converter, Highway Wind Mill, Computational Fluid Dynamics, Curtain	20, 3, 267-278	https://doi.org/10.3166/EJEE.20.267-278	Venkatesh, P.M., Babu, A.R.V., Suresh, K. (2018). Experimental investigations on modified Savonius wind turbine with curtain arrangements in the middle of the highway. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 267-278. https://doi.org/10.3166/EJEE.20.267-278
232	Hu, W., Zhang, B.	Short-term wind power forecast based on back-propagation neural network corrected by Markov chain	Markov Chain, Bp Neural Network, Wind Power Forecast, Combined Forecast	20, 3, 279-293	https://doi.org/10.3166/EJEE.20.279-293	Hu, W., Zhang, B. (2018). Short-term wind power forecast based on back-propagation neural network corrected by Markov chain. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 279-293. https://doi.org/10.3166/EJEE.20.279-293
233	Shaik, K.P., Irshad, S.M., Mohammad, M.H., Karimulla, S.	A new AC – AC converter with buck and boost options	Commutation, AC-AC Converter, Buck-Boost Modes, Inverting and Non-Inverting	20, 3, 295-308	https://doi.org/10.3166/EJEE.20.295-308	Shaik, K.P., Irshad, S.M., Mohammad, M.H., Karimulla, S. (2018). A new AC – AC converter with buck and boost options. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 295-308. https://doi.org/10.3166/EJEE.20.295-308
234	Luo, M.F., Lai, D.Y.	Distribution transformer monitoring and reactive power compensation	Transformer Terminal Unit (TTU), Central Processing Unit (CPU), Distribution Transformer, Digital Signal Processing (DSP), Reactive Power, Local Compensation	20, 3, 309-324	https://doi.org/10.3166/EJEE.20.309-324	Luo, M.F., Lai, D.Y. (2018). Distribution transformer monitoring and reactive power compensation. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 309-324. https://doi.org/10.3166/EJEE.20.309-324
235	Chatterjee, S., Acharya, J., Murari Pandey, K.	Degradation of aerodynamic performances of two typical aerofoils under heavy rain: A comparative study using CFD simulation	Angle of Attack, Lift, Drag, DPM, CFD	20, 3, 325-332	https://doi.org/10.3166/EJEE.20.325-332	Chatterjee, S., Acharya, J., Murari Pandey, K. (2018). Degradation of aerodynamic performances of two typical aerofoils under heavy rain: A comparative study using CFD simulation. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 325-332. https://doi.org/10.3166/EJEE.20.325-332
236	Liu, P., Yue, J.H.	Comparison between Dirichlet boundary condition and mixed boundary condition in resistivity tomography through finite-element simulation	Resistivity Tomography (RT), Dirichlet Boundary Condition, Mixed Boundary Condition, 2D Geoelectric Field with A Point Power Source	20, 3, 333-345	https://doi.org/10.3166/EJEE.20.333-345	Liu, P., Yue, J.H. (2018). Comparison between Dirichlet boundary condition and mixed boundary condition in resistivity tomography through finite-element simulation. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 333-345. https://doi.org/10.3166/EJEE.20.333-345
237	Nuthalapati, B., Sinha, U.K.	Location and detection of downed power line fault not touching the ground	Power Line Communication (PLC), PLG (power line guardian), High Impedance Faults (HIF's), Active Smart Wires (ASW)	20, 3, 347-362	https://doi.org/10.3166/EJEE.20.347-362	Nuthalapati, B., Sinha, U.K. (2018). Location and detection of downed power line fault not touching the ground. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 347-362. https://doi.org/10.3166/EJEE.20.347-362
238	Minh, V. T., Moezzi, R., Owe, I.	Fuel economy regression analyses for hybrid electric vehicle	Regression Analyses, Fuel Consumption, Optimal Model, Hybrid Electric Vehicle, Drive Cycle	20, 3, 363-377	https://doi.org/10.3166/EJEE.20.363-377	Minh, V. T., Moezzi, R., Owe, I. (2018). Fuel economy regression analyses for hybrid electric vehicle. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 363-377. https://doi.org/10.3166/EJEE.20.363-377
239	Zhao, W., Li, Y.J., Ren, J.Y., Chen, S.G., Li, Y.Q.	A novel operation state prediction method for servers in smart grids	Data Monitoring, Chebyshev Inequality, Rayleigh Distribution, Back Propagation Neural Network (BPNN)	20, 3, 379-392	https://doi.org/10.3166/EJEE.20.379-392	Zhao, W., Li, Y.J., Ren, J.Y., Chen, S.G., Li, Y.Q. (2018). A novel operation state prediction method for servers in smart grids. European Journal of Electrical Engineering, Vol. 20, No. 3, pp. 379-392. https://doi.org/10.3166/EJEE.20.379-392
240	Venkatesh, P.M., Vijay Babu, A.R., Suresh, K.	Experimental investigations on modified savonius wind turbine with curtain arrangements in the middle of the highway	Modified Savonius Wind Turbine, Boost Power Converter, Highway Wind Mill, Computational Fluid Dynamics, Curtain	20, 2, 139-150	https://doi.org/10.3166/EJEE.20.139-150	Venkatesh, P.M., Vijay Babu, A.R., Suresh, K. (2018). Experimental investigations on modified savonius wind turbine with curtain arrangements in the middle of the highway. European Journal of Electrical Engineering, Vol. 20, No. 2, pp. 139-150. https://doi.org/10.3166/EJEE.20.139-150

241	Kezrane, C., Laouid, Y.A., Lasbet, Y., Habib, S.H.	Comparison of different Organic Rankine Cycle for power generation using waste heat	Organic Rankine Cycle, Internal Heat Exchanger, Working Fluid, Superheating, Waste Heat Source	20, 2, 151-169	https://doi.org/10.3166/EJEE.20.151-169	Kezrane, C., Laouid, Y.A., Lasbet, Y., Habib, S.H. (2018). Comparison of different Organic Rankine Cycle for power generation using waste heat. European Journal of Electrical Engineering, Vol. 20, No. 2, pp. 151-169. https://doi.org/10.3166/EJEE.20.151-169
242	Zhang, S.H., Hou, L., Zou, L., Zhao, R., Ma, W.H.	Consistency check for secondary virtual terminals in smart substations	Standardization, Smart Substation, Virtual Terminal, Match	20, 2, 171-179	https://doi.org/10.3166/EJEE.20.171-179	Zhang, S.H., Hou, L., Zou, L., Zhao, R., Ma, W.H. (2018). Consistency check for secondary virtual terminals in smart substations. European Journal of Electrical Engineering, Vol. 20, No. 2, pp. 171-179. https://doi.org/10.3166/EJEE.20.171-179
243	Al-Shynat, N.	Challenges of integrating a small hydropower plant at existing Mujib dam	Hydro-Power, Cross Flow Turbine, Renewable Energy	20, 2, 181-191	https://doi.org/10.3166/EJEE.20.181-191	Al-Shynat, N. (2018). Challenges of integrating a small hydropower plant at existing Mujib dam. European Journal of Electrical Engineering, Vol. 20, No. 2, pp. 181-191. https://doi.org/10.3166/EJEE.20.181-191
244	Wang, J., Yuan, Z.J., Luo, X.B.	An intelligent control system for bladeless fans	Bladeless Fan, Distance Detection, Wind Speed Regulation	20, 2, 193-203	https://doi.org/10.3166/EJEE.20.193-203	Wang, J., Yuan, Z.J., Luo, X.B. (2018). An intelligent control system for bladeless fans. European Journal of Electrical Engineering, Vol. 20, No. 2, pp. 193-203. https://doi.org/10.3166/EJEE.20.193-203
245	Shaik, K. P., Karimulla, S., Mohammad Irshad, S., Mohammad, M. H.	Simulation of single phase buck boost matrix converter without commutation issues	Buck Boost Converter, Inverting, Non - Inverting, DVR, MATLAB/Simulink	20, 2, 205-214	https://doi.org/10.3166/EJEE.20.205-214	Shaik, K. P., Karimulla, S., Mohammad Irshad, S., Mohammad, M. H. (2018). Simulation of single phase buck boost matrix converter without commutation issues. European Journal of Electrical Engineering, Vol. 20, No. 2, pp. 205-214. DOI: 10.3166/EJEE.20.205-214
246	Swain, K., Parida, S.K., Dash, G.C.	Thermal slip effect on MHD convective nanofluid flow over a vertical plate embedded in a porous medium	MHD, Nanofluid, Joule Heating, Radiation, Viscous Dissipation, Porous Medium	20, 2, 215-223	https://doi.org/10.3166/EJEE.20.215-223	Swain, K., Parida, S.K., Dash, G.C. (2018). Thermal slip effect on MHD convective nanofluid flow over a vertical plate embedded in a porous medium. European Journal of Electrical Engineering, Vol. 20, No. 2, pp. 215-223. https://doi.org/10.3166/EJEE.20.215-223
247	Hou, Y.C.	Circuit design for electrohydraulic proportional amplifier	Pulse Width Modulation (PWM), Proportional Solenoid Coil, Proportional Amplifier, Simulation	20, 2, 235-245	https://doi.org/10.3166/EJEE.20.235-245	Hou, Y.C. (2018). Circuit design for electrohydraulic proportional amplifier. European Journal of Electrical Engineering, Vol. 20, No. 2, pp. 235-245. https://doi.org/10.3166/EJEE.20.235-245
248	Rao, C.N.N., Sukumar, G.	Design and analysis of torque ripple reduction in brushless DC motor using SPWM and SVPWM with PI control	BLDC Motor, PWM, SVPWM, MATLAB/Simulink	20, 1, 7-22	https://doi.org/10.3166/EJEE.20.7-22	Rao, C.N.N., Sukumar, G. (2018). Design and analysis of torque ripple reduction in brushless DC motor using SPWM and SVPWM with PI control. European Journal of Electrical Engineering, Vol. 20, No. 1, pp. 7-22. https://doi.org/10.3166/EJEE.20.7-22
249	Olugbenga, A. T., Nordiana, M. M.	Utilizing 2-D electrical resistivity imaging (ERI) to investigate groundwater potential	Aquifer, Groundwater Potential, Saturated Zone, Shale	20, 1, 23-34	https://doi.org/10.3166/EJEE.20.23-34	Olugbenga, A. T., Nordiana, M. M. (2018). Utilizing 2-D electrical resistivity imaging (ERI) to investigate groundwater potential. European Journal of Electrical Engineering, Vol. 20, No. 1, pp. 23-34. https://doi.org/10.3166/EJEE.20.23-34
250	Wei, W., Chen, N., Xue, B.H., Zhang, X.Y.	Design of synchronous controller for intelligent locomotive wipers	Dual Motor Drive, Wiper, Hall Current Sensor, Synchronous Control	20, 1, 35-46	https://doi.org/10.3166/EJEE.20.35-46	Wei, W., Chen, N., Xue, B.H., Zhang, X.Y. (2018). Design of synchronous controller for intelligent locomotive wipers. European Journal of Electrical Engineering, Vol. 20, No. 1, pp. 35-46. https://doi.org/10.3166/EJEE.20.35-46
251	Katuril, R., Gorantla, S.	Comparative analysis of controllers for a smooth switching between battery and ultracapacitor applied to E-vehicle	Solar Power, Hybrid Electric Vehicles (HEVs), Bidirectional Converter (BDC), Unidirectional Converter (UDC), Battery, Ultracapacitor, Math Function Based (MFB) Controller, Proportional Integral Derivative (PID) Controller, ANN Controller	20, 1, 47-75	https://doi.org/10.3166/EJEE.20.47-75	Katuril, R., Gorantla, S. (2018). Comparative analysis of controllers for a smooth switching between battery and ultracapacitor applied to E-vehicle. European Journal of Electrical Engineering, Vol. 20, No. 1, pp. 47-75. https://doi.org/10.3166/EJEE.20.47-75
252	Qu, S.R., Wang, Z.M.	Fine-grained dynamic frequency modulation algorithm based on critical state points	Embedded Mobile Terminals (EMTs), Critical State Points (CSPs), Fine-Grained Dynamic Frequency Modulation Algorithm (FGDFMA), Power Management	20, 1, 77-88	https://doi.org/10.3166/EJEE.20.77-88	Qu, S.R., Wang, Z.M. (2018). Fine-grained dynamic frequency modulation algorithm based on critical state points. European Journal of Electrical Engineering, Vol. 20, No. 1, pp. 77-88. https://doi.org/10.3166/EJEE.20.77-88
253	Bedoui, M., Belarbi, A.W., Habibes, S.	Macroscopic modeling of the glow dielectric barrier discharge (GDBD) in helium	Dielectric Barrier Discharge (DBD), electric model, equivalent electric circuit, gas discharge, homogenous discharge, simulation	20, 1, 89-103	https://doi.org/10.3166/EJEE.20.89-103	Bedoui, M., Belarbi, A.W., Habibes, S. (2018). Macroscopic modeling of the glow dielectric barrier discharge (GDBD) in helium. European Journal of Electrical Engineering, Vol. 20, No. 1, pp. 89-103. https://doi.org/10.3166/EJEE.20.89-103
254	Kethineni, B.K., Rachananjali, K., Rao, Y.S., Reddy, A.N.	Voltage control of multiple feeders by voltage regulator and instant DG	Distribution Generation (DG), voltage control, distribution system, integer programming	20, 1, 105-113	https://doi.org/10.3166/EJEE.20.105-113	Kethineni, B.K., Rachananjali, K., Rao, Y.S., Reddy, A.N. (2018). Voltage control of multiple feeders by voltage regulator and instant DG. European Journal of Electrical Engineering, Vol. 20, No. 1, pp. 105-113. https://doi.org/10.3166/EJEE.20.105-113
255	Lu, M., Zhang, Y.F., Cai, X.H., Li, H.	Virtual synchronous control of brushless doubly-fed induction generator	Brushless Doubly-Fed Induction Generator (BDFIG), hidden inertia, Virtual Synchronous Control (VSC), wind turbine	20, 1, 115-132	https://doi.org/10.3166/EJEE.20.115-132	Lu, M., Zhang, Y.F., Cai, X.H., Li, H. (2018). Virtual synchronous control of brushless doubly-fed induction generator. European Journal of Electrical Engineering, Vol. 20, No. 1, pp. 115-132. https://doi.org/10.3166/EJEE.20.115-132
256	Samala, R.K., Kotapati, M.R.	Multi distributed generation placement using ant-lion optimization	distributed generation, backward and forward sweep method, ant-lion optimization algorithm optimal capacity, optimal place, active power loss	19, 5-6, 253-267	https://doi.org/10.3166/EJEE.19.253-267	Samala, R.K., Kotapati, M.R. (2017). Multi distributed generation placement using ant-lion optimization. European Journal of Electrical Engineering, Vol. 19, No. 5-6, pp. 253-267. https://doi.org/10.3166/EJEE.19.253-267

257	Ravindrababu, M., Saraswathi, G., Sudha, K.R.	Design of firefly power system stabilizer for stability improvement of multi machine system under contingency	Power System Stabilizer (PSS), Firefly Algorithm (FFY), Genetic Algorithm (GA), pseudo spectrum analysis, contingency	19, 5-6, 269-292	https://doi.org/10.3166/EJEE.19.269-292	Ravindrababu, M., Saraswathi, G., Sudha, K.R. (2017). Design of firefly power system stabilizer for stability improvement of multi machine system under contingency. European Journal of Electrical Engineering, Vol. 19, No. 5-6, pp. 269-292. https://doi.org/10.3166/EJEE.19.269-292
258	Liu, L., Wang, S.T.	Performance improvement of wind turbine with squirrel-cage induction generator by static synchronous compensator and hybrid energy storage system	Low-Voltage Ride-Through (LVRT), Squirrel-Cage Induction Generator (SCIG), Static Synchronous Compensator (STATCOM), Series Dynamic Breaking Resistor (SDBR), Hybrid Energy Storage System (HESS)	19, 5-6, 293-312	https://doi.org/10.3166/EJEE.19.293-312	Liu, L., Wang, S.T. (2017). Performance improvement of wind turbine with squirrel-cage induction generator by static synchronous compensator and hybrid energy storage system. European Journal of Electrical Engineering, Vol. 19, No. 5-6, pp. 293-312. https://doi.org/10.3166/EJEE.19.293-312
259	Katuri, R., Gorantla, S.	Design and analysis of a control strategy approach for a smooth transition between battery and ultracapacitor	HESS, EVs, converters, MFB controller, fuzzy logic controller, solar power	19, 5-6, 313-339	https://doi.org/10.3166/EJEE.19.313-339	Katuri, R., Gorantla, S. (2017). Design and analysis of a control strategy approach for a smooth transition between battery and ultracapacitor. European Journal of Electrical Engineering, Vol. 19, No. 5-6, pp. 313-339. https://doi.org/10.3166/EJEE.19.313-339
260	Ai, X.Z., Yang, M.K., Liu, Z.D., Li, X.Q.	Modelling and control safety of digital push-pull switched mode power supply	push-pull, switched mode, power supply, Proportional-Integral-Derivative (PID) control, matlab	19, 5-6, 341-355	https://doi.org/10.3166/EJEE.19.341-355	Ai, X.Z., Yang, M.K., Liu, Z.D., Li, X.Q. (2017). Modelling and control safety of digital push-pull switched mode power supply. European Journal of Electrical Engineering, Vol. 19, No. 5-6, pp. 341-355. https://doi.org/10.3166/EJEE.19.341-355
261	Bala Krishna, K., Rosalina, K.M.	An optimal Phasor Measurement Unit placement techniques for achieving complete perceptibility of a network even when PMU failure	state estimation, observability, optimization, Phasor Measurement Unit (PMU), Binary Integer Programming (BIP), Pmu outage	19, 5-6, 357-366	https://doi.org/10.3166/EJEE.19.357-366	Bala Krishna, K., Rosalina, K.M. (2017). An optimal Phasor Measurement Unit placement techniques for achieving complete perceptibility of a network even when PMU failure. European Journal of Electrical Engineering, Vol. 19, No. 5-6, pp. 357-366. https://doi.org/10.3166/EJEE.19.357-366
262	Zeghoudi, A., Debbache, M., Hamidat, A.	Contribution to minimizing the cosine loss in a thermodynamic solar tower power plant by a change in the target position	heliostat, centrale solaire a tour, pertes cosinus, cible	19, 5-6, 367-374	https://doi.org/10.3166/EJEE.19.367-374	Zeghoudi, A., Debbache, M., Hamidat, A. (2017). Contribution to minimizing the cosine loss in a thermodynamic solar tower power plant by a change in the target position. European Journal of Electrical Engineering, Vol. 19, No. 5-6, pp. 367-374. https://doi.org/10.3166/EJEE.19.367-374
263	Chen, H.B., Chen, L., Han, W.	Short-term photovoltaic power forecasting based on human body amenity and least squares support vector machine with fruit fly optimization algorithm	photovoltaic power generation, human body amenity, least squares support vector machine, short-term forecasting, fruit fly optimization	19, 5-6, 375-390	https://doi.org/10.3166/EJEE.19.375-390	Chen, H.B., Chen, L., Han, W. (2017). Short-term photovoltaic power forecasting based on human body amenity and least squares support vector machine with fruit fly optimization algorithm. European Journal of Electrical Engineering, Vol. 19, No. 5-6, pp. 375-390. https://doi.org/10.3166/EJEE.19.375-390
264	Hajdidj, M.S., Bibi-Triki, N., Didi, F.	Study and optimization of a renewable system of small power generation	photovoltaic system, wind system, hybrid photovoltaic-wind-storage system, sizing, optimization	19, 3-4, 133-154	https://doi.org/10.3166/EJEE.19.133-154	Hajdidj, M.S., Bibi-Triki, N., Didi, F. (2017). Study and optimization of a renewable system of small power generation. European Journal of Electrical Engineering, Vol. 19, No. 3-4, pp. 133-154. https://doi.org/10.3166/EJEE.19.133-154
265	Sreedhar, T., Venkata, N.	Impact of distribution network reconfiguration under wheeling transactions	distribution systems, differential search algorithm, network reconfiguration, wheeling transactions	19, 3-4, 155-165	https://doi.org/10.3166/EJEE.19.155-165	Sreedhar, T., Venkata, N. (2017). Impact of distribution network reconfiguration under wheeling transactions. European Journal of Electrical Engineering, Vol. 19, No. 3-4, pp. 155-165. https://doi.org/10.3166/EJEE.19.155-165
266	Xu, Y.P.	A study of hydropower generation process control based on fuzzy control theory	hydropower unit control, fuzzy control, variable structure control, buffering	19, 3-4, 167-179	https://doi.org/10.3166/EJEE.19.167-179	Xu, Y.P. (2017). A study of hydropower generation process control based on fuzzy control theory. European Journal of Electrical Engineering, Vol. 19, No. 3-4, pp. 167-179. https://doi.org/10.3166/EJEE.19.167-179
267	Uma Maheswara, Rao M., Mercy Rosalina, K.	Transient stability improvement of microgrids by using Resistive type SFCL and series active power filters	Distributed Generation (DG), Resistive Type Superconducting Fault Current Limiter (R-SFCL), Phase Locked Loop (PLL), Series Active Power Filter (SAPF)	19, 3-4, 181-195	https://doi.org/10.3166/EJEE.19.181-195	Uma Maheswara, Rao M., Mercy Rosalina, K. (2017). Transient stability improvement of microgrids by using Resistive type SFCL and series active power filters. European Journal of Electrical Engineering, Vol. 19, No. 3-4, pp. 181-195. https://doi.org/10.3166/EJEE.19.181-195
268	Hou, Y.C.	Design of conditioning circuit for weak signal in through-casing resistivity logging	extremely weak signals, through-casing resistivity logging, signal conditioning circuit, amplifier circuit, filter circuit	19, 3-4, 197-208	https://doi.org/10.3166/EJEE.19.197-208	Hou, Y.C. (2017). Design of conditioning circuit for weak signal in through-casing resistivity logging. European Journal of Electrical Engineering, Vol. 19, No. 3-4, pp. 197-208. https://doi.org/10.3166/EJEE.19.197-208
269	Karthik, G., Jayanthu, S.	Quantification of cable deformation using TDR-experiments	Time Domain Reflectometry (Tdr), coaxial cable, reflection coefficient, opencast model	19, 3-4, 209-219	https://doi.org/10.3166/EJEE.19.209-219	Karthik, G., Jayanthu, S. (2017). Quantification of cable deformation using TDR-experiments. European Journal of Electrical Engineering, Vol. 19, No. 3-4, pp. 209-219. https://doi.org/10.3166/EJEE.19.209-219
270	Slimani, H., Bendaoud, A., Reguig, A.	Measuring and reducing of harmonic pollution using rapid prototyping	interference, pollution harmonique, simulation, prototypage rapide, DSP	19, 3-4, 221-234	https://doi.org/10.3166/EJEE.19.221-234	Slimani, H., Bendaoud, A., Reguig, A. (2017). Measuring and reducing of harmonic pollution using rapid prototyping. European Journal of Electrical Engineering, Vol. 19, No. 3-4, pp. 221-234. https://doi.org/10.3166/EJEE.19.221-234
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272	Adibi, T., Adibi, O., Amrikachi, A.	Investigation on the possibility of substituting compression cooling cycle with a solar absorption cooling cycle in tropical regions of Iran	cavity flow, forced convection, Reynolds number, complex boundary condition, Nusselt number	19, 1-2, 7-17	https://doi.org/10.3166/EJEE.19.7-17	Adibi, T., Adibi, O., Amrikachi, A. (2017). Investigation on the possibility of substituting compression cooling cycle with a solar absorption cooling cycle in tropical regions of Iran. European Journal of Electrical Engineering, Vol. 19, No. 1-2, pp. 7-17. http://doi.org/10.3166/EJEE.19.7-17

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275	Kumar, D.A., Mishra S.R.	MHD stagnation point flow of micropolar fluid past on a vertical plate in the presence of porous medium	micropolar fluid, porous medium, assisting and opposing flow, stagnation point, numerical solution	19, 1-2, 43-57	https://doi.org/10.3166/EJEE.19.43-57	Kumar, D.A., Mishra S.R. (2017). MHD stagnation point flow of micropolar fluid past on a vertical plate in the presence of porous medium. European Journal of Electrical Engineering, Vol. 19, No. 1-2, pp. 43-57. https://doi.org/10.3166/EJEE.19.43-57
276	Shi, Y.G., Zhang, X.J., Li, J.X., Liu, L., Cui, Y.J.	Design of STM32-based hub motor controller	wheeled mobile robot, Brushless Direct Current (DC) Motor, Proportional-Integral-Derivative (PID) control, digital control system, three-phase full bridge inverter	19, 1-2, 59-73	https://doi.org/10.3166/EJEE.19.59-73	Shi, Y.G., Zhang, X.J., Li, J.X., Liu, L., Cui, Y.J. (2017). Design of STM32-based hub motor controller. European Journal of Electrical Engineering, Vol. 19, No. 1-2, pp. 59-73. https://doi.org/10.3166/EJEE.19.59-73
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