

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	El Hamdaoui, A., Salhi, I., Doubabi, S., Essoumbouli, N., Chennani, M.	An integrated approach for modeling three-phase micro hydropower plants	Renewable Energy, Micro Hydropower Plant, Modelling, Pelton Turbine, Synchronous Generator	21, 6, 479-487	10.18280/ejee.210601	El Hamdaoui, A., Salhi, I., Doubabi, S., Essoumbouli, N., Chennani, M. (2019). An integrated approach for modeling three-phase micro hydropower plants. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 479-487. https://doi.org/10.18280/ejee.210601
2	Vu, T.T.N., Teysse�re, G., Roy, S.L., Anh, T.T., Tr�n, T.S., Nguyen, X.T., Nguy�n, Q.V.	The challenges and opportunities for the power transmission grid of Vietnam	Energy Grid, Energy Mix, HVDC, Vietnam, Renewable Energy	21, 6, 489-497	10.18280/ejee.210602	Vu, T.T.N., Teysse�re, G., Roy, S.L., Anh, T.T., Tr�n, T.S., Nguyen, X.T., Nguy�n, Q.V. (2019). The challenges and opportunities for the power transmission grid of Vietnam. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 489-497. https://doi.org/10.18280/ejee.210602
3	Oscullo, J., Gallardo, C.	Tuning and location of PSS in multimachine power system with state feedback control for electromechanical oscillation damping control	Modal Analysis, Power System Stability, Oscillation Damping, Power System Control, Neural Network	21, 6, 499-507	10.18280/ejee.210603	Oscullo, J., Gallardo, C. (2019). Tuning and location of PSS in multimachine power system with state feedback control for electromechanical oscillation damping control. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 499-507. https://doi.org/10.18280/ejee.210603
4	Kou, Z.C., Fang, Y.J., Bleszinski, L.	A bifurcation deep neural network for electricity meter error prediction under actual conditions	Convolutional Neural Network (CNN), Autoencoder, Measuring Errors, Electricity Meters	21, 6, 509-514	10.18280/ejee.210604	Kou, Z.C., Fang, Y.J., Bleszinski, L. (2019). A bifurcation deep neural network for electricity meter error prediction under actual conditions. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 509-514. https://doi.org/10.18280/ejee.210604
5	Latroch, M., Khiat, M., Rahiel, D.	An IDMT overcurrent protective relay based on ADALINE	Overcurrent, Protective Relay, ADALINE, Simulation, Hardware-In-The-Loop, Validation	21, 6, 515-522	10.18280/ejee.210605	Latroch, M., Khiat, M., Rahiel, D. (2019). An IDMT overcurrent protective relay based on ADALINE. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 515-522. https://doi.org/10.18280/ejee.210605
6	Alwan, S.H.	Protection of transmission line based on the severity index using generation rescheduling strategy	Line Contingency, Transmission Line Overloading, Differential Evolution Algorithm, Generation Rescheduling, Severity Index	21, 6, 523-530	10.18280/ejee.210606	Alwan, S.H. (2019). Protection of transmission line based on the severity index using generation rescheduling strategy. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 523-530. https://doi.org/10.18280/ejee.210606
7	Yang, L., Huang, T.M., Deng, L., Zeng, Y.F., Huang, S.D.	Analysis on chaotic mechanism of direct-drive permanent magnet synchronous generators based on lyapunov stability theory	Direct-Drive Permanent Magnet Synchronous Generator (D-PMSG), Chaotic Features, Affine Transform, Bifurcation, Lyapunov Stability	21, 6, 531-537	10.18280/ejee.210607	Yang, L., Huang, T.M., Deng, L., Zeng, Y.F., Huang, S.D. (2019). Analysis on chaotic mechanism of direct-drive permanent magnet synchronous generators based on lyapunov stability theory. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 531-537. https://doi.org/10.18280/ejee.210607
8	Chaithanakulwat, A.	Design of solar-powered aeration system for shrimp ponds of farmers in Thailand	Photovoltaic, Air Pump System, Boost Converter, Life Cycle Cost, Control Equipment, Aquaculture, Hysteresis Current Band, Dissolved Oxygen Level	21, 6, 539-546	10.18280/ejee.210608	Chaithanakulwat, A. (2019). Design of solar-powered aeration system for shrimp ponds of farmers in Thailand. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 539-546. https://doi.org/10.18280/ejee.210608
9	Bharathi, C.R.	Design of new asymmetrical cascaded multilevel inverter with reduced number of switches	MLL FFT, Solar, Wind, MCM	21, 6, 547-552	10.18280/ejee.210609	Bharathi, C.R. (2019). Design of new asymmetrical cascaded multilevel inverter with reduced number of switches. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 6, pp. 547-552. https://doi.org/10.18280/ejee.210609
10	Cucumo, M.A., Ferraro, V., Kaliakatos, D., Nicoletti, F.	Study of kinematic system for solar tracking of a linear Fresnel plant to reduce end losses	Linear Fresnel Reflectors, Stepper, Biaxial Movement, Solar Tracking	21, 5, 393-400	10.18280/ejee.210501	Cucumo, M.A., Ferraro, V., Kaliakatos, D., Nicoletti, F. (2019). Study of kinematic system for solar tracking of a linear Fresnel plant to reduce end losses. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 393-400. https://doi.org/10.18280/ejee.210501
11	Pankratov, E.L.	An approach to manufacture small multiplexer with dense field-effect transistors	Logic Gate, Multiplexer, Field-Effect Transistors, Mismatch-Induced Stress	21, 5, 401-414	10.18280/ejee.210502	Pankratov, E.L. (2019). An approach to manufacture small multiplexer with dense field-effect transistors. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 401-414. https://doi.org/10.18280/ejee.210502
12	Wang, L., Wang, S.G., Wu, D.L., Liu, H.H., Wang, J.	An evaluation method for harmonic emission level based on principal component regression	Harmonic Emission Level, Evaluation, Principal Component Regression (PCR), Power System	21, 5, 415-420	10.18280/ejee.210503	Wang, L., Wang, S.G., Wu, D.L., Liu, H.H., Wang, J. (2019). An evaluation method for harmonic emission level based on principal component regression. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 415-420. https://doi.org/10.18280/ejee.210503
13	Moussa, O., Abdessemed, R., Benagoune, S., Benguesmia, H.	Sliding mode control of a grid-connected brushless doubly fed induction generator	Brushless Doubly Fed Induction Generator (BDFIG), Vector Control, Active and Reactive Power, Back-To-Back Converter, Sliding Mode Control	21, 5, 421-430	10.18280/ejee.210504	Moussa, O., Abdessemed, R., Benagoune, S., Benguesmia, H. (2019). Sliding mode control of a grid-connected brushless doubly fed induction generator. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 421-430. https://doi.org/10.18280/ejee.210504
14	Walid, H., Djamel, R., Sami, M., Elbaki, D.A.	Fractional order direct torque control of permanent magnet synchronous machine	Direct Torque Control (DTC), Permanent Magnet Synchronous Machine (PMSM), Fractional Order PID Controller, Classical PID Controller, Bode's Ideal Transfer Function, Comparison	21, 5, 431-438	10.18280/ejee.210505	Walid, H., Djamel, R., Sami, M., Elbaki, D.A. (2019). Fractional order direct torque control of permanent magnet synchronous machine. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 431-438. https://doi.org/10.18280/ejee.210505
15	Xiao, L.Q.	Optimization of hessian matrix in modified newton-raphson algorithm for electrical resistance tomography	Hessian Matrix, Regularization Factor, Ill-Posedness, I-Refinement, Element Subdivision	21, 5, 439-446	10.18280/ejee.210506	Xiao, L.Q. (2019). Optimization of hessian matrix in modified newton-raphson algorithm for electrical resistance tomography. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 439-446. https://doi.org/10.18280/ejee.210506
16	Al-Hadidi, A., Duwairi, H.	Wind turbine performance under fluctuating pressure gradient of laminar and turbulent air flows	Fluctuations, Wind Turbine, Output Power, Turbulence Intensity, Eddy Viscosity, Boundary Layer Thickness	21, 5, 447-456	10.18280/ejee.210507	Al-Hadidi, A., Duwairi, H. (2019). Wind turbine performance under fluctuating pressure gradient of laminar and turbulent air flows. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 447-456. https://doi.org/10.18280/ejee.210507
17	Yaichi, I., Semmah, A., Wira, P.	Direct power control of a wind turbine based on doubly fed induction generator	Pulse Width Modulation (PWM), Doubly Fed Induction Generator (DFIG), Field Oriented Control (FOC), Direct Power Control (DPC)	21, 5, 457-464	10.18280/ejee.210508	Yaichi, I., Semmah, A., Wira, P. (2019). Direct power control of a wind turbine based on doubly fed induction generator. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 457-464. https://doi.org/10.18280/ejee.210508
18	Zhang, X., Lu, W.R., Miao, Z.C., Jiang, Z.Y., Xu, W.B.	Iterative learning synchronized control of multi-leaf collimator based on cross-coupled control	Iterative Learning Control, Synchronized Control, Cross-Coupled Control, Multi-Leaf Collimator, Conformal Radiotherapy	21, 5, 465-470	10.18280/ejee.210509	Zhang, X., Lu, W.R., Miao, Z.C., Jiang, Z.Y., Xu, W.B. (2019). Iterative learning synchronized control of multi-leaf collimator based on cross-coupled control. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 465-470. https://doi.org/10.18280/ejee.210509
19	Ryad, A.K., Atallah, A.M., Zekry, A.	Photovoltaic array reconfiguration under partial shading based on integer link matrix and harmony search	Maximum Power Point Tracking (MPPT), Global Maximum Power Point (MPP), Metaheuristic Techniques, Binary Link Matrix, Irradiance Mismatch Index	21, 5, 471-477	10.18280/ejee.210510	Ryad, A.K., Atallah, A.M., Zekry, A. (2019). Photovoltaic array reconfiguration under partial shading based on integer link matrix and harmony search. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 5, pp. 471-477. https://doi.org/10.18280/ejee.210510
20	Saleh, S., Farag, A.S.	Evaluation of the control strategy performance for isolated variable-speed wind turbine using different wind speed models at different load cases under balanced/unbalanced excitation	Variable Speed Wind Turbine (VSWT), Self-Excited Induction Generator (SEIG), Maximum Power Point Tracking (MPPT), Torque Control, Pitch Angle Control, Realistic Wind Model, Random Wind Model, Balanced/Unbalanced Excitation	21, 4, 341-353	10.18280/ejee.210401	Saleh, S., Farag, A.S. (2019). Evaluation of the control strategy performance for isolated variable-speed wind turbine using different wind speed models at different load cases under balanced/unbalanced excitation. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 4, pp. 341-353. https://doi.org/10.18280/ejee.210401
21	Hardiantono, D., Mangera, P.	Comparison using express feeder and capacitor bank allocation to corrective voltage level on primary distribution feeder	Power Loss, Power Flow, ETAP, Drop Voltage, Power Flow	21, 4, 355-359	10.18280/ejee.210402	Hardiantono, D., Mangera, P. (2019). Comparison using express feeder and capacitor bank allocation to corrective voltage level on primary distribution feeder. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 4, pp. 355-359. https://doi.org/10.18280/ejee.210402

22	Bandar, L.D.N., Mozaffarilegha, M.	Decentralized power management of a hybrid microgrid consisting of solar panel and storage device	Energy Management System, Micro Grid, Multi Agent System, Optimization, Genetic Algorithm	21, 4, 361-365	10.18280/ejee.210403	Bandar, L.D.N., Mozaffarilegha, M. (2019). Decentralized power management of a hybrid microgrid consisting of solar panel and storage device. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 4, pp. 361-365. https://doi.org/10.18280/ejee.210403
23	(2019). Comparison of different	Comparison of different multilevel voltage source inverter topologies on induction motor energy quality	Modular Multilevel Voltage Source Inverter (MMVSI), Neutral Point Clamped Voltage Source Inverter (NPCVSI), Three-Phase Induction Motor (3-IM), Phase Disposition Pulse Width Modulation (PD-PWM)	21, 4, 367-372	10.18280/ejee.210404	Yahiaoui, A., Ifouzar, K., Himour, K., Ghedamsi, K. (2019). Comparison of different multilevel voltage source inverter topologies on induction motor energy quality. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 4, pp. 367-372. https://doi.org/10.18280/ejee.210404
24	Jayaraju, G., Rao, G.S.	A new optimized ANN algorithm based single phase grid connected PV-wind system using single switch high gain DC-DC converter	Distributed Generation, PV System, PMSG, Luo Converter, Fuzzy MPPT Algorithm, ANN Algorithm	21, 4, 373-381	10.18280/ejee.210405	Jayaraju, G., Rao, G.S. (2019). A new optimized ANN algorithm based single phase grid connected PV-wind system using single switch high gain DC-DC converter. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 4, pp. 373-381. https://doi.org/10.18280/ejee.210405
25	Chen, L., Han, W., Huang, Y.H., Cao, X., Xu, Z.K.	Reconfiguration of partially shaded photovoltaic arrays	Partial Shading, Photovoltaic (PV) Array, Reconfiguration, Fruit Fly Optimization Algorithm (FOA)	21, 4, 383-392	10.18280/ejee.210406	Chen, L., Han, W., Huang, Y.H., Cao, X., Xu, Z.K. (2019). Reconfiguration of partially shaded photovoltaic arrays. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 4, pp. 383-392. https://doi.org/10.18280/ejee.210406
26	Mandi, B., Menni, Y., Chamkha, A.J., Lorenzini, G., Kaid, N., Bibi-Triki, N., Bensafi, M., Ameer, H., Sahel, D.	Effect of various physical parameters on the productivity of the hybrid distiller - in the time of distillation extension at night	Hybrid Distillation, Modeling, Hybrid Coupling with A Cylindro Parabolic Concentrator, Photovoltaic Generator, Thermal Conversion, Electrical Conversion	21, 3, 265-271	10.18280/ejee.210301	Mandi, B., Menni, Y., Chamkha, A.J., Lorenzini, G., Kaid, N., Bibi-Triki, N., Bensafi, M., Ameer, H., Sahel, D. (2019). Effect of various physical parameters on the productivity of the hybrid distiller - in the time of distillation extension at night. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 265-271. https://doi.org/10.18280/ejee.210301
27	Krčmařík, D., Petrů, M., Moezzi, R.	Innovative IoT sensing and communication unit in agriculture	Internet of Thing, Smart Agriculture, Tensometer, Precision Agriculture, GSM, Big Data	21, 3, 273-278	10.18280/ejee.210302	Krčmařík, D., Petrů, M., Moezzi, R. (2019). Innovative IoT sensing and communication unit in agriculture. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 273-278. https://doi.org/10.18280/ejee.210302
28	Zhang, T.R., Xu, Y.J., Shi, L.	A submodule topology for modular multilevel converter with self-cleaning ability of direct current fault	Modular Multilevel Converter (MMC), Similarity Half-Bridge Submodule (SHBSM), Self-Cleaning, High-Voltage Direct Current (HVDC) Transmission	21, 3, 279-284	10.18280/ejee.210303	Zhang, T.R., Xu, Y.J., Shi, L. (2019). A submodule topology for modular multilevel converter with self-cleaning ability of direct current fault. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 279-284. https://doi.org/10.18280/ejee.210303
29	Sari-Ali, I., Benyoucef, B., Chikh-Bled, B., Menni, Y., Chamkha, A.J., Lorenzini, G.	Study of models using one or two exponentials to simulate the characteristic current-voltage of silicon solar cells	Solar Cells with High Efficiency and Low Cost, Solar Cell Efficiency, Characteristic Current-Voltage of Solar Cell, Production of Electricity, Silicon	21, 3, 285-289	10.18280/ejee.210304	Sari-Ali, I., Benyoucef, B., Chikh-Bled, B., Menni, Y., Chamkha, A.J., Lorenzini, G. (2019). Study of models using one or two exponentials to simulate the characteristic current-voltage of silicon solar cells. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 285-289. https://doi.org/10.18280/ejee.210304
30	Chen, Q., Lv, G., Zhang, R.L., Tang, H.D., Luo, Z.Y.	Optimal transmission of high-frequency voltage signals under remote control	Transmission Lines, Transmission Signals, Optimization, High-Frequency Voltage, Suppression	21, 3, 291-296	10.18280/ejee.210305	Chen, Q., Lv, G., Zhang, R.L., Tang, H.D., Luo, Z.Y. (2019). Optimal transmission of high-frequency voltage signals under remote control. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 291-296. https://doi.org/10.18280/ejee.210305
31	Khan, M.J.	Artificial intelligence based maximum power point tracking controller for fuel cell system	PEMFC, Dc-Dc Power Converter, MPPT Methods, FL Controller	21, 3, 297-302	10.18280/ejee.210306	Khan, M.J. (2019). Artificial intelligence based maximum power point tracking controller for fuel cell system. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 297-302. https://doi.org/10.18280/ejee.210306
32	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 Cancellation	21, 3, 303-307	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
33	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	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
34	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	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
35	Manukonda, D., Gorantla, S.R.	Design and comparison of standalone bladeless wind solar hybrid system with the conventional standalone wind solar hybrid system	Bladeless Standalone Wind Hybrid System, Conventional Hybrid System, Bladeless Wind Turbine, Vortex Vibrations	21, 3, 327-332	10.18280/ejee.210310	Manukonda, D., Gorantla, S.R. (2019). Design and comparison of standalone bladeless wind solar hybrid system with the conventional standalone wind solar hybrid system. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 3, pp. 327-332. https://doi.org/10.18280/ejee.210310
36	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	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
37	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	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
38	Lin, G.W., Wang, X.L.	Multi-objective optimization of combined cooling, heating and power system	Multi-Objective Optimization, Combined Cooling, Heating and Power (CCHP) System, Artificial Bee Colony (ABC) Algorithm	21, 2, 133-138	10.18280/ejee.210202	Lin, G.W., Wang, X.L. (2019). Multi-objective optimization of combined cooling, heating and power system. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 133-138. https://doi.org/10.18280/ejee.210202
39	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	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
40	Griche, I., Messali, 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	10.18280/ejee.210204	Griche, I., Messali, 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
41	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	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
42	Ghaitou, 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	10.18280/ejee.210206	Ghaitou, 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

43	Gannoun, R., Hassen, W., Pérez, A.T., Borjini, M.N.	Numerical study of electro-convection and electro-thermo-convection in solar chimney geometry	Charge Injection, Electro-Convection, Electro-Thermo-Convection, Solar Chimney Geometry, Numerical Method	21, 2, 171-177	10.18280/ejee.210207	Gannoun, R., Hassen, W., Pérez, A.T., Borjini, M.N. (2019). Numerical study of electro-convection and electro-thermo-convection in solar chimney geometry. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 171-177. https://doi.org/10.18280/ejee.210207
44	Liu, L., Wang, S.T.	Improving low voltage ride-through with STATCOM and sdr for wind turbine with squirrel-cage induction generator	Low Voltage Ride-Through, Series Dynamic Breaking Resistor, STATCOM, Squirrel-Cage Induction Generator	21, 2, 179-187	10.18280/ejee.210208	Liu, L., Wang, S.T. (2019). Improving low voltage ride-through with STATCOM and SDR for wind turbine with squirrel-cage induction generator. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 179-187. https://doi.org/10.18280/ejee.210208
45	Lenin, K.	True power loss reduction by chemical reaction optimization algorithm	Optimal Reactive Power, Transmission Loss, Chemical Reaction	21, 2, 189-192	10.18280/ejee.210209	Lenin, K. (2019). True power loss reduction by chemical reaction optimization algorithm. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 189-192. https://doi.org/10.18280/ejee.210209
46	Wu, D.X., Fan, W.P., Xue, F., Jiang, G.S.	A cooperative spectrum sensing algorithm to minimize the sensing overhead of cognitive radio system	Cognitive Radio (CR), Spectrum Sensing, Sensing Overhead, Sensing Duration, Cognitive Users	21, 2, 193-197	10.18280/ejee.210210	Wu, D.X., Fan, W.P., Xue, F., Jiang, G.S. (2019). A cooperative spectrum sensing algorithm to minimize the sensing overhead of cognitive radio system. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 193-197. https://doi.org/10.18280/ejee.210210
47	Jeyasudha, S., Geethalakshmi, B.	A novel switched capacitor boost derived multilevel hybrid converter modeling and analysis	Boost Converter, Boost Derived Hybrid Converter, Multilevel Inverter, Switched Capacitor Converter, PI Controller	21, 2, 199-206	10.18280/ejee.210211	Jeyasudha, S., Geethalakshmi, B. (2019). A novel switched capacitor boost derived multilevel hybrid converter modeling and analysis. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 199-206. https://doi.org/10.18280/ejee.210211
48	Bapat, S.M., Gokak, G.D.	Exergetic evaluation and optimization of combined heat and power (CHP) plant of 20.7 mw capacities under varying load conditions: a case study	Bagasse, Biomass Combined Heat and Power, Cogeneration, Exergy Analysis, Sugar	21, 2, 207-215	10.18280/ejee.210212	Bapat, S.M., Gokak, G.D. (2019). Exergetic evaluation and optimization of combined heat and power (CHP) plant of 20.7 MW capacities under varying load conditions: A case study. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 207-215. https://doi.org/10.18280/ejee.210212
49	Zhang, Y.	Energy efficiency management and route optimization for wireless sensor network under the ubiquitous power internet of things	Ubiquitous Power Internet of Things (UPIoT), Energy Consumption Model, Node Quality, Route Optimization	21, 2, 217-222	10.18280/ejee.210213	Zhang, Y. (2019). Energy efficiency management and route optimization for wireless sensor network under the ubiquitous power internet of things. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 217-222. https://doi.org/10.18280/ejee.210213
50	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	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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53	Berkani, A., Negadi, K., Allaoui, T., Mezouar, A., Denai, M.	Imposed switching frequency direct torque control of induction machine using five level flying capacitors inverter	DTC, Control of Switching Frequency, Induction Motor, Multi-Level Inverter and Flying Capacitors Inverter	21, 2, 241-248	10.18280/ejee.210217	Berkani, A., Negadi, K., Allaoui, T., Mezouar, A., Denai, M. (2019). Imposed switching frequency direct torque control of induction machine using five level flying capacitors inverter. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 241-248. https://doi.org/10.18280/ejee.210217
54	Xiao, H.Y., Li, R.	A farah charging system based on constant power supply	Farah Capacitor, Proportional-Integral-Derivative (PID) Control, Pulse-Width Modulation (PWM), Constant Power Supply	21, 2, 249-254	10.18280/ejee.210218	Xiao, H.Y., Li, R. (2019). A Farah charging system based on constant power supply. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 249-254. https://doi.org/10.18280/ejee.210218
55	Fathabadi, F.R., Molavi, A.	Black-box identification and validation of an induction motor in an experimental application	Slip Controller, ARMAX, PRBS, Dq Voltages, Drive, FOC, Identification Algorithm	21, 2, 255-263	10.18280/ejee.210219	Fathabadi, F.R., Molavi, A. (2019). Black-box identification and validation of an induction motor in an experimental application. <i>European Journal of Electrical Engineering</i> , Vol. 21, No. 2, pp. 255-263. https://doi.org/10.18280/ejee.210219
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68	Bendaikha, A., Saad, S., Abdou, A., Defdaf, M., Laamari, Y.	A study of SVM-DTC and conventional DTC for induction motors drive fed by five-level inverter	Space Vector Algorithm, Switching Frequency, Harmonic Distortion, Stator Flux, Diode Clamped Inverter, Reference Voltages, PI Controllers, Torque Fluctuations, Duration of The Commutations	21, 1, 85-91	10.18280/ejee.210113	Bendaikha, A., Saad, S., Abdou, A., Defdaf, M., Laamari, Y. (2019). A Study of SVM-DTC and conventional DTC for induction motors drive fed by five-level inverter, European Journal of Electrical Engineering, Vol. 21, No. 1, pp. 85-91. https://doi.org/10.18280/ejee.210113
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80	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	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
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89	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 499-516. https://doi.org/10.3166/EJEE.20.499-516
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92	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 267-278. https://doi.org/10.3166/EJEE.20.267-278
93	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 279-293. https://doi.org/10.3166/EJEE.20.279-293
94	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 295-308. https://doi.org/10.3166/EJEE.20.295-308
95	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	10.3166/EJEE.20.309-324	Luo, M.F., Lai, D.Y. (2018). Distribution transformer monitoring and reactive power compensation. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 309-324. https://doi.org/10.3166/EJEE.20.309-324
96	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 325-332. https://doi.org/10.3166/EJEE.20.325-332
97	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 333-345. https://doi.org/10.3166/EJEE.20.333-345
98	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 (HIFs), Active Smart Wires (ASW).	20, 3, 347-362	10.3166/EJEE.20.347-362	Nuthalapati, B., Sinha, U.K. (2018). Location and detection of downed power line fault not touching the ground. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 347-362. https://doi.org/10.3166/EJEE.20.347-362
99	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	10.3166/EJEE.20.363-377	Minh, V. T., Moezzi, R., Owe, I. (2018). Fuel economy regression analyses for hybrid electric vehicle. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 363-377. https://doi.org/10.3166/EJEE.20.363-377
100	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 379-392. https://doi.org/10.3166/EJEE.20.379-392
101	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 139-150. https://doi.org/10.3166/EJEE.20.139-150
102	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 151-169. https://doi.org/10.3166/EJEE.20.151-169
103	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 171-179. https://doi.org/10.3166/EJEE.20.171-179
104	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	10.3166/EJEE.20.181-191	Al-Shynat, N. (2018). Challenges of integrating a small hydropower plant at existing Mujib dam. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 181-191. https://doi.org/10.3166/EJEE.20.181-191
105	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	10.3166/EJEE.20.193-203	Wang, J., Yuan, Z.J., Luo, X.B. (2018). An intelligent control system for bladeless fans. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 193-203. https://doi.org/10.3166/EJEE.20.193-203

106	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 205-214. DOI: 10.3166/EJEE.20.205-214
107	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	10.3166/EJEE.20.215-233	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 215-223. https://doi.org/10.3166/EJEE.20.215-233
108	Hou, Y.C.	Circuit design for electrohydraulic proportional amplifier	Pulse Width Modulation (PWM), Proportional Solenoid Coil, Proportional Amplifier, Simulation.	20, 2, 235-245	10.3166/EJEE.20.235-245	Hou, Y.C. (2018). Circuit design for electrohydraulic proportional amplifier. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 235-245. https://doi.org/10.3166/EJEE.20.235-245
109	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 7-22. https://doi.org/10.3166/EJEE.20.7-22
110	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	10.3166/EJEE.20.23-34	Olugbenga, A. T., Nordiana, M. M. (2018). Utilizing 2-D electrical resistivity imaging (ERI) to investigate groundwater potential. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 23-34. https://doi.org/10.3166/EJEE.20.23-34
111	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 35-46. https://doi.org/10.3166/EJEE.20.35-46
112	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 47-75. https://doi.org/10.3166/EJEE.20.47-75
113	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	10.3166/EJEE.20.77-88	Qu, S.R., Wang, Z.M. (2018). Fine-grained dynamic frequency modulation algorithm based on critical state points. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 77-88. https://doi.org/10.3166/EJEE.20.77-88
114	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 89-103. https://doi.org/10.3166/EJEE.20.89-103
115	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 105-113. https://doi.org/10.3166/EJEE.20.105-113
116	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 115-132. https://doi.org/10.3166/EJEE.20.115-132
117	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	10.3166/EJEE.19.253-267	Samala, R.K., Kotapati, M.R. (2017). Multi distributed generation placement using ant-lion optimization. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 253-267. https://doi.org/10.3166/EJEE.19.253-267
118	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 (FFA), Genetic Algorithm (GA), Pseudo Spectrum Analysis, Contingency	19, 5-6, 269-292	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 269-292. https://doi.org/10.3166/EJEE.19.269-292
119	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 293-312. https://doi.org/10.3166/EJEE.19.293-312
120	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 313-339. https://doi.org/10.3166/EJEE.19.313-339
121	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 341-355. https://doi.org/10.3166/EJEE.19.341-355
122	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 357-366. https://doi.org/10.3166/EJEE.19.357-366
123	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 367-374. https://doi.org/10.3166/EJEE.19.367-374
124	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 375-390. https://doi.org/10.3166/EJEE.19.375-390
125	Hajdidi, 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	10.3166/EJEE.19.133-154	Hajdidi, M.S., Bibi-Triki, N., Didi, F. (2017). Study and optimization of a renewable system of small power generation. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 133-154. https://doi.org/10.3166/EJEE.19.133-154
126	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	10.3166/EJEE.19.155-165	Sreedhar, T., Venkata, N. (2017). Impact of distribution network reconfiguration under wheeling transactions. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 155-165. https://doi.org/10.3166/EJEE.19.155-165

127	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	10.3166/EJEE.19.167-179	Xu, Y.P. (2017). A study of hydropower generation process control based on fuzzy control theory. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 167-179. https://doi.org/10.3166/EJEE.19.167-179
128	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 181-195. https://doi.org/10.3166/EJEE.19.181-195
129	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	10.3166/EJEE.19.197-208	Hou, Y.C. (2017). Design of conditioning circuit for weak signal in through-casing resistivity logging. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 197-208. https://doi.org/10.3166/EJEE.19.197-208
130	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	10.3166/EJEE.19.209-219	Karthik, G., Jayanthu, S. (2017). Quantification of cable deformation using TDR-experiments. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 209-219. https://doi.org/10.3166/EJEE.19.209-219
131	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	10.3166/EJEE.19.221-234	Slimani, H., Bendaoud, A., Reguig, A. (2017). Measuring and reducing of harmonic pollution using rapid prototyping. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 221-234. https://doi.org/10.3166/EJEE.19.221-234
132	Liu, Z.J., Wu, W.	A novel control method for five-level H-bridge/neutral point clamped inverter	Multi-Level, Triangulation, Space Vector Pulse Width Modulation (SVPWM), H-Bridge/Neutral Point Clamped (H-NPC) Inverter	19, 3-4, 235-245	10.3166/EJEE.19.235-245	Liu, Z.J., Wu, W. (2017). A novel control method for five-level H-bridge/neutral point clamped inverter. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 235-245. https://doi.org/10.3166/EJEE.19.235-245
133	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 7-17. http://doi.org/10.3166/EJEE.19.7-17
134	Kanagasabai, L.K.	Improved canis rufus floridanus optimization algorithm for reduction of real power loss & maximization of static voltage stability margin	Optimal Reactive Power, Transmission Loss, Canis Rufus Floridanus, Particle Swarm Optimization	19, 1-2, 19-30	10.3166/EJEE.19.19-30	Kanagasabai, L.K. (2017). Improved canis rufus floridanus optimization algorithm for reduction of real power loss & maximization of static voltage stability margin. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 19-30. https://doi.org/10.3166/EJEE.19.19-30
135	Kong, F., Shi, H.M., Wei, Z.Y., Liu, C.Y.	Life evaluation method for alternating current contactor of electrical multiple unit	Electrical Multiple Unit (EMU), Service Life Assessment, Failure Mechanism, Weibull Distribution, Alternating Current (AC) Contactor	19, 1-2, 31-42	10.3166/EJEE.19.31-42	Kong, F., Shi, H.M., Wei, Z.Y., Liu, C.Y. (2017). Life evaluation method for alternating current contactor of electrical multiple unit. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 31-42. https://doi.org/10.3166/EJEE.19.31-42
136	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 43-57. https://doi.org/10.3166/EJEE.19.43-57
137	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 59-73. https://doi.org/10.3166/EJEE.19.59-73
138	Evuri, G.R., Gorantla, S.R., Reddy, T.R.S.	Enhancing the efficiency of a DC-DC converter used for hybrid electrical vehicles to suit uphill and downhill terrains	DC-DC Converter, Hybrid Electric Vehicle, Terrains, PI and PID	19, 1-2, 75-89	10.3166/EJEE.19.75-89	Evuri, G.R., Gorantla, S.R., Reddy, T.R.S. (2017). Enhancing the efficiency of a DC-DC converter used for hybrid electrical vehicles to suit uphill and downhill terrains. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 75-89. https://doi.org/10.3166/EJEE.19.75-89
139	Enany, T.A., Hassan, M.A.M., Othman, E.S.	Induction motor temperature monitoring via signal injection enhanced with adaptive neuro-fuzzy inference system	Temperature Estimation, Thermal Protection, Adaptive Neuro-Fuzzy Inference System, Induction Motor, Signal Injection, Soft Starter	19, 1-2, 91-109	10.3166/EJEE.19.91-109	Enany, T.A., Hassan, M.A.M., Othman, E.S. (2017). Induction motor temperature monitoring via signal injection enhanced with adaptive neuro-fuzzy inference system. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 91-109. https://doi.org/10.3166/EJEE.19.91-109
140	Li, X., Liu, M.W., Feng, Y.L.	Bulk acoustic resonator devices using ZnO-based film and back cavity	Back Cavity, Bulk Silicon Micromachining, Film Bulk Acoustic Resonator, ZnO Piezoelectric Film	19, 1-2, 111-125	10.3166/EJEE.19.111-125	Li, X., Liu, M.W., Feng, Y.L. (2017). Bulk acoustic resonator devices using ZnO-based film and back cavity. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 111-125. https://doi.org/10.3166/EJEE.19.111-125