

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Urame, C., Hoole, P.R.	Design and implementation of hybrid Pico-Hydro-Photovoltaic (PV) solar power plant in Massy-Gahuku LLG	cross-flow turbine, Pico-Hydro plant, programmable logic controller	22, 6, 395-403	https://doi.org/10.18280/ejee.220601	Urame, C., Hoole, P.R. (2020). Design and implementation of hybrid Pico-Hydro-Photovoltaic (PV) solar power plant in Massy-Gahuku LLG. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 6, pp. 395-403. https://doi.org/10.18280/ejee.220601
2	Bouchta, S., Feddaoui, M.	Numerical simulation of free convection in a three-dimensional enclosure full of nanofluid with the existence a magnetic field	three-dimensional, nanofluid, magnetic field, convection, finite volume method, SIMPLEC, Hartmann number, numerical simulation	22, 6, 405-411	https://doi.org/10.18280/ejee.220602	Bouchta, S., Feddaoui, M. (2020). Numerical simulation of free convection in a three-dimensional enclosure full of nanofluid with the existence a magnetic field. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 6, pp. 405-411. https://doi.org/10.18280/ejee.220602
3	Rekik, A., Boukettaya, G.	State space modeling and stability analysis of a VSC-HVDC system for exchange of energy	VSC-HVDC transmission, energy, linearized, state space modeling, small signal stability, eigenvalue	22, 6, 413-426	https://doi.org/10.18280/ejee.220603	Rekik, A., Boukettaya, G. (2020). State space modeling and stability analysis of a VSC-HVDC system for exchange of energy. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 6, pp. 413-426. https://doi.org/10.18280/ejee.220603
4	Yahdou, A., Djilali, A.B., Boudjema, Z., Mehedi, F.	Using adaptive second order sliding mode to improve power control of a counter-rotating wind turbine under grid disturbances	adaptive gains, counter-rotating wind turbine, doubly fed induction generator, grid disturbances, saturation functions, second order sliding mode	22, 6, 427-434	https://doi.org/10.18280/ejee.220604	Yahdou, A., Djilali, A.B., Boudjema, Z., Mehedi, F. (2020). Using adaptive second order sliding mode to improve power control of a counter-rotating wind turbine under grid disturbances. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 6, pp. 427-434. https://doi.org/10.18280/ejee.220604
5	Kushwaha, P.K., Bhattacharjee, C.	A research on selection of appropriate stability index under adverse system conditions for the assessment of voltage stability of an IEEE 14 bus power system	contingency analysis, one generation unit tripped, power margin analysis, single line to ground fault, voltage stability indices and SLG fault	22, 6, 435-446	https://doi.org/10.18280/ejee.220605	Kushwaha, P.K., Bhattacharjee, C. (2020). A research on selection of appropriate stability index under adverse system conditions for the assessment of voltage stability of an IEEE 14 bus power system. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 6, pp. 435-446. https://doi.org/10.18280/ejee.220605
6	Gongati, P.R.R., Marala, R.R., Malupu, V.K.	Mitigation of certain power quality issues in wind energy conversion system using UPQC and IUPQC devices	improved unified power quality conditioner, power quality, wind energy conversion system, voltage sag, voltage swell	22, 6, 447-455	https://doi.org/10.18280/ejee.220606	Gongati, P.R.R., Marala, R.R., Malupu, V.K. (2020). Mitigation of certain power quality issues in wind energy conversion system using UPQC and IUPQC devices. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 6, pp. 447-455. https://doi.org/10.18280/ejee.220606
7	Merdad, H., Renaud, M.	State of legislative and normative art in the fields of the environment, health and security of European electrical and electronic equipment	standards, WEEE, RoHS, REACH, ErP, CEI 62430, ISO 14044, environmental legislations	22, 4-5, 293-300	https://doi.org/10.18280/ejee.224-501	Merdad, H., Renaud, M. (2020). State of legislative and normative art in the fields of the environment, health and security of European electrical and electronic equipment. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 293-300. https://doi.org/10.18280/ejee.224-501
8	Safia, Z.B., Allouch, M., Chaabane, M.	Decentralized T-S fuzzy control for solar PV powered water pumping system driving by induction motor	decentralized control, Induction Motor, MPPT, PV pumping system, T-S fuzzy control	22, 4-5, 301-311	https://doi.org/10.18280/ejee.224-502	Safia, Z.B., Allouch, M., Chaabane, M. (2020). Decentralized T-S fuzzy control for solar PV powered water pumping system driving by induction motor. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 301-311. https://doi.org/10.18280/ejee.224-502
9	Boudechiche, G., Sarra, M., Aissa, O., Gaubert, J.P., Benlahbib, B., Lashab, A.	Anti-windup FOPID-based DPC for SAPF interconnected to a PV system tuned using PSO algorithm	direct power control, shunt active power filter, AW-FOPID controller, particle swarm optimization, fuzzy logic MPPT controller	22, 4-5, 313-324	https://doi.org/10.18280/ejee.224-503	Boudechiche, G., Sarra, M., Aissa, O., Gaubert, J.P., Benlahbib, B., Lashab, A. (2020). Anti-windup FOPID-based DPC for SAPF interconnected to a PV system tuned using PSO algorithm. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 313-324. https://doi.org/10.18280/ejee.224-503
10	Pannila, E.A.R.L., Edirisinghe, M.	Characterization of switching transients in low voltage power systems of tea factories in Sri Lanka	switching transients, transient overvoltage, transient protection, surge protection, surge arresters, low voltage power systems, power quality, transient energy	22, 4-5, 325-334	https://doi.org/10.18280/ejee.224-504	Pannila, E.A.R.L., Edirisinghe, M. (2020). Characterization of switching transients in low voltage power systems of tea factories in Sri Lanka. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 325-334. https://doi.org/10.18280/ejee.224-504
11	Kumar, P.	Power quality investigation by reduced switching UPQC	Active and Reactive Power (PQ), Synchronous Reference Frame (SRF), Total Harmonic Distortion (THD), Unified Power Quality Conditioner (UPQC), Unit Vector Template (UVT)	22, 4-5, 335-347	https://doi.org/10.18280/ejee.224-505	Kumar, P. (2020). Power quality investigation by reduced switching UPQC. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 335-347. https://doi.org/10.18280/ejee.224-505
12	Marín-Reyes, M., Aguayo-Alquicira, J., De León-Aldaco, S.E.	Calculation of optimal switching angles for a multilevel inverter using NR, PSO, and GA-a comparison	cascade multilevel inverter, total harmonic distortion, optimization, genetic algorithm, Newton-Raphson, particle swarm optimization	22, 4-5, 349-355	https://doi.org/10.18280/ejee.224-506	Marín-Reyes, M., Aguayo-Alquicira, J., De León-Aldaco, S.E. (2020). Calculation of optimal switching angles for a multilevel inverter using NR, PSO, and GA-a comparison. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 349-355. https://doi.org/10.18280/ejee.224-506
13	Benghalia, R., Cheriet, A., Amrani, I.	The finite volume method an alternative method for LF electromagnetic problems	3D triangular mesh, FVM, force, torque, dynamics	22, 4-5, 357-364	https://doi.org/10.18280/ejee.224-507	Benghalia, R., Cheriet, A., Amrani, I. (2020). The finite volume method an alternative method for LF electromagnetic problems. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 357-364. https://doi.org/10.18280/ejee.224-507
14	Chtouki, I., Wira, P., Zazi, M., Cherif, A.Y., Meddour, S.	A new control stratum applied to two adaptation stages based on adaline-type neuronal predictive control in a photovoltaic solar conversion chain	photovoltaic generator (PVG), parallel active power filter (PAF), power grid, GMPPT, Finite set mode predictive current control (FS-MPCC), Adaline Neuro-Predictive (ANP)	22, 4-5, 365-376	https://doi.org/10.18280/ejee.224-508	Chtouki, I., Wira, P., Zazi, M., Cherif, A.Y., Meddour, S. (2020). A new control stratum applied to two adaptation stages based on adaline-type neuronal predictive control in a photovoltaic solar conversion chain. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 365-376. https://doi.org/10.18280/ejee.224-508
15	Rajesh, P., Shajin, F.H.	A multi-objective hybrid algorithm for planning electrical distribution system	GSA, Tabu search, DG, operation and maintenance cost, investment cost	22, 4-5, 377-387	https://doi.org/10.18280/ejee.224-509	Rajesh, P., Shajin, F.H. (2020). A multi-objective hybrid algorithm for planning electrical distribution system. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 377-387. https://doi.org/10.18280/ejee.224-509
16	Khan, A.U.	Modeling and simulation of a metal oxide lightning surge arrester for 132kV overhead transmission lines	metal oxide surge arrester, lightning surge arrester, simulation, MOV, residual voltage, over-voltage, CFOV, EMPT-RV	22, 4-5, 389-394	https://doi.org/10.18280/ejee.224-510	Khan, A.U. (2020). Modeling and simulation of a metal oxide lightning surge arrester for 132kV overhead transmission lines. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 4-5, pp. 389-394. https://doi.org/10.18280/ejee.224-510
17	Djeboub, K., Allaoui, T., Champenois, G., Denai, M., Habib, C.	Particle swarm optimization trained artificial neural network to control shunt active power filter based on multilevel flying capacitor inverter	ANN-PSO, Flying Capacitor Inverter (FCI), non-linear load, power quality, SAPF, Synchronous Reference Frame (SRF), THD	22, 3, 199-207	https://doi.org/10.18280/ejee.220301	Djeboub, K., Allaoui, T., Champenois, G., Denai, M., Habib, C. (2020). Particle swarm optimization trained artificial neural network to control shunt active power filter based on multilevel flying capacitor inverter. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 199-207. https://doi.org/10.18280/ejee.220301
18	Elmahfoud, M., Bossoufi, B., Taoussi, M., El Ouanji, N., Derouich, A.	Comparative study between backstepping adaptive and field oriented controls for doubly fed induction motor	control motor, DFIM, adaptive, Lyapunov	22, 3, 209-221	https://doi.org/10.18280/ejee.220302	Elmahfoud, M., Bossoufi, B., Taoussi, M., El Ouanji, N., Derouich, A. (2020). Comparative study between backstepping adaptive and field oriented controls for doubly fed induction motor. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 209-221. https://doi.org/10.18280/ejee.220302
19	Sumbung, F.H., Letsoin, Y.	Modeling and control of electric motors U.S. electric motors type dripproff 1150 RPM/10 HP/240 volt using MATLAB/Simulink	simulation process interference DC motor model, box chart and Simulink/MATLAB	22, 3, 223-232	https://doi.org/10.18280/ejee.220303	Sumbung, F.H., Letsoin, Y. (2020). Modeling and control of electric motors U.S. electric motors type dripproff 1150 RPM/10 HP/240 volt using MATLAB/Simulink. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 223-232. https://doi.org/10.18280/ejee.220303
20	Zhang, T., Lu, C., Zheng, Z.	Adaptive fuzzy controller for electric spring	electric spring, voltage stability, regulatory factor, fuzzy controller, adaptive fuzzy controller	22, 3, 233-239	https://doi.org/10.18280/ejee.220304	Zhang, T., Lu, C., Zheng, Z. (2020). Adaptive fuzzy controller for electric spring. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 233-239. https://doi.org/10.18280/ejee.220304

21	Gupta, P., Swarnkar, P.	A new approach towards integration of multi-frequency, multi-voltage intertied hybrid power system	intertied hybrid power system, droop control, interlinking power converter, coordinated control, adaptive power sharing	22, 3, 241-253	https://doi.org/10.18280/ejee.220305	Gupta, P., Swarnkar, P. (2020). A new approach towards integration of multi-frequency, multi-voltage intertied hybrid power system. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 241-253. https://doi.org/10.18280/ejee.220305
22	Kerrouche, F., Tazerart, F., Taib, N.	Novel topology of a multilevel inverter dedicated to electric traction drive	multilevel inverter, seven-level inverter, pulse width modulation, total harmonic distortion, PMSM, electric traction drive, field-oriented control	22, 3, 255-263	https://doi.org/10.18280/ejee.220306	Kerrouche, F., Tazerart, F., Taib, N. (2020). Novel topology of a multilevel inverter dedicated to electric traction drive. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 255-263. https://doi.org/10.18280/ejee.220306
23	El Bakri, A., Boumhidi, I.	A new intelligent fault-tolerant control scheme for wind energy systems under actuator faults	wind turbines, fault-tolerant control (FTC), actuator fault, extreme learning machine, multiplicative faults, additive faults	22, 3, 265-272	https://doi.org/10.18280/ejee.220307	El Bakri, A., Boumhidi, I. (2020). A new intelligent fault-tolerant control scheme for wind energy systems under actuator faults. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 265-272. https://doi.org/10.18280/ejee.220307
24	Djilali, A.B., Yahdou, A., Bounadja, E., Mehedi, F.	Stopping the drift problem in the tracking of maximum power point for photovoltaic system by using modified variable step size incremental conductance method	photovoltaic panel, boost converter, variable step size incremental conductance method	22, 3, 273-283	https://doi.org/10.18280/ejee.220308	Djilali, A.B., Yahdou, A., Bounadja, E., Mehedi, F. (2020). Stopping the drift problem in the tracking of maximum power point for photovoltaic system by using modified variable step size incremental conductance method. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 273-283. https://doi.org/10.18280/ejee.220308
25	Gao, Y.H., Lu, H.L.	One wideband coplanar waveguide-fed balanced dipole antenna design	loaded antenna, resistively loaded, indoor antenna, ultra-wideband (UWB)	22, 3, 285-291	https://doi.org/10.18280/ejee.220309	Gao, Y.H., Lu, H.L. (2020). One wideband coplanar waveguide-fed balanced dipole antenna design. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 3, pp. 285-291. https://doi.org/10.18280/ejee.220309
26	Stackler, C., Morel, F., Ladoux, p., Dworakowski, P.	Modelling of a 25 kV-50 Hz railway infrastructure for harmonic analysis	railway supply, impedance, skin effect, state space representation, harmonic interactions, EMC	22, 2, 87-96	https://doi.org/10.18280/ejee.220201	Stackler, C., Morel, F., Ladoux, p., Dworakowski, P. (2020). Modelling of a 25 kV-50 Hz railway infrastructure for harmonic analysis. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 87-96. https://doi.org/10.18280/ejee.220201
27	Risticvic, M., Moeckel, A.	Topological approach for minimization of cogging torque in permanent magnet synchronous motors	topology, optimization, rotor, structure, on/off approach, PMSM, cogging torque	22, 2, 97-104	https://doi.org/10.18280/ejee.220202	Risticvic, M., Moeckel, A. (2020). Topological approach for minimization of cogging torque in permanent magnet synchronous motors. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 97-104. https://doi.org/10.18280/ejee.220202
28	Jia, C.X., Ding, H.Y., Zhang, C.J., Zhang, X.	Management and security analysis of blockchain shard storage for monitoring data on the state of smart substations	smart substations, blockchain shard storage, security analysis, ubiquitous power Internet of Things (UPIoT)	22, 2, 105-110	https://doi.org/10.18280/ejee.220203	Jia, C.X., Ding, H.Y., Zhang, C.J., Zhang, X. (2020). Management and security analysis of blockchain shard storage for monitoring data on the state of smart substations. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 105-110. https://doi.org/10.18280/ejee.220203
29	Severiano, Y.R., Alquicira, J.A., De León Aldaco, S.E., Santos, L.M.C.	Comparative analysis of PWM techniques in the set: Multilevel inverter + induction motor	cascaded, modulation technique, modulation index, multilevel inverter, total harmonic distortion	22, 2, 111-117	https://doi.org/10.18280/ejee.220204	Severiano, Y.R., Alquicira, J.A., De León Aldaco, S.E., Santos, L.M.C. (2020). Comparative analysis of PWM techniques in the set: Multilevel inverter + induction motor. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 111-117. https://doi.org/10.18280/ejee.220204
30	Gallas, H., Mseddi, A., Le Ballois, S., Aloui, H., Vido, L.	Modeling and control of 1.5 MW HESG-Based wind conversion system: Advanced aerodynamic modeling	FAST, HESG, large-scale WCS, modeling, PI-based fuzzy logic control, robust control	22, 2, 119-128	https://doi.org/10.18280/ejee.220205	Gallas, H., Mseddi, A., Le Ballois, S., Aloui, H., Vido, L. (2020). Modeling and control of 1.5 MW HESG-Based wind conversion system: Advanced aerodynamic modeling. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 119-128. https://doi.org/10.18280/ejee.220205
31	Zhang, L., Sun, Y.M., Cai, S.N., Yuan, J.N., Wang, B.Y.	Non-invasive load identification based on real-time extraction of multiple steady-state parameters and optimization of state coding	non-intrusive load monitoring (NILM), load identification, steady-state parameters, affinity propagation (AP) clustering	22, 2, 129-135	https://doi.org/10.18280/ejee.220206	Zhang, L., Sun, Y.M., Cai, S.N., Yuan, J.N., Wang, B.Y. (2020). Non-invasive load identification based on real-time extraction of multiple steady-state parameters and optimization of state coding. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 129-135. https://doi.org/10.18280/ejee.220206
32	Mohamed, H., Abdelmajid, B., Lotfi, B.	Improvement of direct torque control performances for induction machine using a robust backstepping controller and a new stator resistance compensator	induction machine, nonlinear control, backstepping, direct torque control, space vector modulation stator resistance compensator, super twisting strategy	22, 2, 137-144	https://doi.org/10.18280/ejee.220207	Mohamed, H., Abdelmajid, B., Lotfi, B. (2020). Improvement of direct torque control performances for induction machine using a robust backstepping controller and a new stator resistance compensator. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 137-144. https://doi.org/10.18280/ejee.220207
33	Fapi, C.B.N., Wira, P., Kamta, M., Colicchio, B.	Voltage regulation control with adaptive fuzzy logic for a stand-alone photovoltaic system	voltage control, fuzzy logic controller, MPPT algorithms, photovoltaic panel, DC-DC converter	22, 2, 145-152	https://doi.org/10.18280/ejee.220208	Fapi, C.B.N., Wira, P., Kamta, M., Colicchio, B. (2020). Voltage regulation control with adaptive fuzzy logic for a stand-alone photovoltaic system. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 145-152. https://doi.org/10.18280/ejee.220208
34	Zaamouche, F., Saad, S., Hamiche, L.	Discontinuous PWM applied for a three-phase five-level CHB inverter fed by PV solar-boost converter	cascaded inverter, boost converter, discontinuous modulation, switching losses	22, 2, 153-161	https://doi.org/10.18280/ejee.220209	Zaamouche, F., Saad, S., Hamiche, L. (2020). Discontinuous PWM applied for a three-phase five-level CHB inverter fed by PV solar-boost converter. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 153-161. https://doi.org/10.18280/ejee.220209
35	Sun, C., Liu, X.T., Yin, Z.W., Di, Y.J., Wang, Z.Y.	Whole-station visualization of secondary circuit in smart substation based on hybrid topology	smart substation, secondary circuit, visualization, hybrid topology	22, 2, 163-168	https://doi.org/10.18280/ejee.220210	Sun, C., Liu, X.T., Yin, Z.W., Di, Y.J., Wang, Z.Y. (2020). Whole-station visualization of secondary circuit in smart substation based on hybrid topology. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 163-168. https://doi.org/10.18280/ejee.220210
36	Chelli, S.E., Nemmour, A.L., Ahmed, M.A., Boussaid, A., Khezzer, A.	An effective approach for real-time parameters estimation of doubly-fed induction machine using forgetting factor RLS algorithm	doubly fed induction machines, squirrel-cage induction machine, real-time parameters estimation, forgetting factor recursive least-squares algorithm (FF-RLS)	22, 2, 169-177	https://doi.org/10.18280/ejee.220211	Chelli, S.E., Nemmour, A.L., Ahmed, M.A., Boussaid, A., Khezzer, A. (2020). An effective approach for real-time parameters estimation of doubly-fed induction machine using forgetting factor RLS algorithm. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 169-177. https://doi.org/10.18280/ejee.220211
37	Philip, M.A.D., Kareem, P.F.A.	Power conditioning using DVR under symmetrical and unsymmetrical fault conditions	dynamic voltage restorer (DVR), power quality (PQ), single line to ground fault (SLG), double line to ground fault (LLG), triple line to ground fault (LLL), total harmonics distortion (THD), voltage indices	22, 2, 179-191	https://doi.org/10.18280/ejee.220212	Philip, M.A.D., Kareem, P.F.A. (2020). Power conditioning using DVR under symmetrical and unsymmetrical fault conditions. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 179-191. https://doi.org/10.18280/ejee.220212
38	Wang, D., Pang, K., Wang, W., Zhang, Y., Yao, W., Zhao, L.	Development and application of an internal fault detection system for transformer based on wall climbing robot	internal faults, transformer, intelligent fault detection, socket programming	22, 2, 193-198	https://doi.org/10.18280/ejee.220213	Wang, D., Pang, K., Wang, W., Zhang, Y., Yao, W., Zhao, L. (2020). Development and application of an internal fault detection system for transformer based on wall climbing robot. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 2, pp. 193-198. https://doi.org/10.18280/ejee.220213
39	Oscullo, J., Gallardo, C.	Small signal stability enhancement of a multimachine power system using probabilistic tuning PSS based in wide area monitoring data	monte Carlo, power system stabilizer, WAMS, heuristic algorithms, probabilistic modal analysis, small signal stability	22, 1, 1-12	https://doi.org/10.18280/ejee.220101	Oscullo, J., Gallardo, C. (2020). Small signal stability enhancement of a multimachine power system using probabilistic tuning PSS based in wide area monitoring data. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 1, pp. 1-12. https://doi.org/10.18280/ejee.220101
40	Bahena, A.V., De León Aldaco, S.E., Alquicira, J.A.	Simulation for a dual inverter feeding a three-phase open-end winding induction motor: A comparative study of PWM techniques	dual inverter, open-end winding induction motor, PWM techniques	22, 1, 13-21	https://doi.org/10.18280/ejee.220102	Bahena, A.V., De León Aldaco, S.E., Alquicira, J.A. (2020). Simulation for a dual inverter feeding a three-phase open-end winding induction motor: A comparative study of PWM techniques. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 1, pp. 13-21. https://doi.org/10.18280/ejee.220102

41	Tolbjonovich, D.S., Isomovna, T.M., Saidulloeva, M.D.	Modeling of starting transition processes of asynchronous motors with reduced voltage of the supply network	reduced voltage, power quality, asynchronous machines, MATLAB, computer simulation, starting transients, mechanical characteristic	22, 1, 23-28	https://doi.org/10.18280/ejee.220103	Tolbjonovich, D.S., Isomovna, T.M., Saidulloeva, M.D. (2020). Modeling of starting transition processes of asynchronous motors with reduced voltage of the supply network. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 1, pp. 23-28. https://doi.org/10.18280/ejee.220103
42	Wang, Y.S., Gao, J., Xu, Z.W., Li, L.X.	A short-term output power prediction model of wind power based on deep learning of grouped time series	wind power plant, output power prediction, short-term wind power prediction, deep learning, new energy application	22, 1, 29-38	https://doi.org/10.18280/ejee.220104	Wang, Y.S., Gao, J., Xu, Z.W., Li, L.X. (2019). A short-term output power prediction model of wind power based on deep learning of grouped time series. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 1, pp. 29-38. https://doi.org/10.18280/ejee.220104
43	Chaihanakulwat, A.	Optimization of shunt active power filtering with PI control in a three-phase three-wire system	hysteresis current band, shunt active filter power, non-linear load, total harmonic distortion, inverter	22, 1, 39-47	https://doi.org/10.18280/ejee.220105	Chaihanakulwat, A. (2020). Optimization of shunt active power filtering with PI control in a three-phase three-wire system. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 1, pp. 39-47. https://doi.org/10.18280/ejee.220105
44	Aguayo-Alquicira, J., León-Aldaco, S.E.D., Calleja-Gjumlich, J.H., Claudio-Sánchez, A.	Switching angles calculation in multilevel inverters using triangular number sequence – A THD minimization approach	total harmonic distortion, pulse modulation, pascal triangle, triangular numbers, switching pattern	22, 1, 49-55	https://doi.org/10.18280/ejee.220106	Aguayo-Alquicira, J., León-Aldaco, S.E.D., Calleja-Gjumlich, J.H., Claudio-Sánchez, A. (2020). Switching angles calculation in multilevel inverters using triangular number sequence – A THD minimization approach. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 1, pp. 49-55. https://doi.org/10.18280/ejee.220106
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46	Dahbi, M., Doubabi, S., Rachid, A.	Real time implementation for a low-cost control for BLDC motor current ripple minimization	brushless DC motor, trapezoidal back-EMF force, PI controller, current ripple, current control	22, 1, 63-69	https://doi.org/10.18280/ejee.220108	Dahbi, M., Doubabi, S., Rachid, A. (2020). Real time implementation for a low-cost control for BLDC motor current ripple minimization. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 1, pp. 63-69. https://doi.org/10.18280/ejee.220108
47	Kamyab, G.	Optimal feeder routing and DG placement using Kruskal's algorithm	electrical distribution network planning, distribution feeder routing, distributed generators	22, 1, 71-78	https://doi.org/10.18280/ejee.220109	Kamyab, G. (2020). Optimal feeder routing and DG placement using Kruskal's algorithm. <i>European Journal of Electrical Engineering</i> , Vol. 22, No. 1, pp. 71-78. https://doi.org/10.18280/ejee.220109
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68	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	https://doi.org/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
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80	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	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

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87	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
88	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
89	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
90	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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92	Liu, L., Wang, S.T.	Improving low voltage ride-through with STATCOM and SDBR 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	https://doi.org/10.18280/ejee.210208	Liu, L., Wang, S.T. (2019). Improving low voltage ride-through with STATCOM and SDBR 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
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96	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	https://doi.org/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
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103	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, 55-263	https://doi.org/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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127	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 5-6, pp. 631-643. https://doi.org/10.3166/EJEE.20.631-643
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131	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 413-426. https://doi.org/10.3166/EJEE.20.413-426
132	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 427-438. https://doi.org/10.3166/EJEE.20.427-438
133	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 439-453. https://doi.org/10.3166/EJEE.20.439-453
134	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 455-468. https://doi.org/10.3166/EJEE.20.455-468
135	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 469-483. https://doi.org/10.3166/EJEE.20.469-483
136	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 485-498. https://doi.org/10.3166/EJEE.20.485-498
137	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 499-516. https://doi.org/10.3166/EJEE.20.499-516
138	Ismail, G., Toufik, B.M., Saïd, 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., Saïd, B. (2018). Real time implementation of feedback linearization control based three phase shunt active power filter. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 4, pp. 517-532. https://doi.org/10.3166/EJEE.20.517-532
139	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 253-266. https://doi.org/10.3166/EJEE.20.253-266
140	Venkatash, 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	Venkatash, 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

141	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 279-293. https://doi.org/10.3166/EJEE.20.279-293
142	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 295-308. https://doi.org/10.3166/EJEE.20.295-308
143	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 309-324. https://doi.org/10.3166/EJEE.20.309-324
144	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 325-332. https://doi.org/10.3166/EJEE.20.325-332
145	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 333-345. https://doi.org/10.3166/EJEE.20.333-345
146	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 347-362. https://doi.org/10.3166/EJEE.20.347-362
147	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 363-377. https://doi.org/10.3166/EJEE.20.363-377
148	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 3, pp. 379-392. https://doi.org/10.3166/EJEE.20.379-392
149	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 139-150. https://doi.org/10.3166/EJEE.20.139-150
150	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 151-169. https://doi.org/10.3166/EJEE.20.151-169
151	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 171-179. https://doi.org/10.3166/EJEE.20.171-179
152	Al-Shnynat, 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-Shnynat, 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
153	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 193-203. https://doi.org/10.3166/EJEE.20.193-203
154	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 205-214. DOI: 10.3166/EJEE.20.205-214
155	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 215-223. https://doi.org/10.3166/EJEE.20.215-223
156	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 2, pp. 235-245. https://doi.org/10.3166/EJEE.20.235-245
157	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 7-22. https://doi.org/10.3166/EJEE.20.7-22
158	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 23-34. https://doi.org/10.3166/EJEE.20.23-34
159	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 35-46. https://doi.org/10.3166/EJEE.20.35-46
160	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 47-75. https://doi.org/10.3166/EJEE.20.47-75

161	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 77-88. https://doi.org/10.3166/EJEE.20.77-88
162	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 89-103. https://doi.org/10.3166/EJEE.20.89-103
163	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 105-113. https://doi.org/10.3166/EJEE.20.105-113
164	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. <i>European Journal of Electrical Engineering</i> , Vol. 20, No. 1, pp. 115-132. https://doi.org/10.3166/EJEE.20.115-132
165	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 253-267. https://doi.org/10.3166/EJEE.19.253-267
166	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	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 269-292. https://doi.org/10.3166/EJEE.19.269-292
167	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 293-312. https://doi.org/10.3166/EJEE.19.293-312
168	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 313-339. https://doi.org/10.3166/EJEE.19.313-339
169	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 341-355. https://doi.org/10.3166/EJEE.19.341-355
170	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 357-366. https://doi.org/10.3166/EJEE.19.357-366
171	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 367-374. https://doi.org/10.3166/EJEE.19.367-374
172	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 5-6, pp. 375-390. https://doi.org/10.3166/EJEE.19.375-390
173	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	https://doi.org/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
174	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 155-165. https://doi.org/10.3166/EJEE.19.155-165
175	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 167-179. https://doi.org/10.3166/EJEE.19.167-179
176	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 181-195. https://doi.org/10.3166/EJEE.19.181-195
177	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 197-208. https://doi.org/10.3166/EJEE.19.197-208
178	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 209-219. https://doi.org/10.3166/EJEE.19.209-219
179	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 3-4, pp. 221-234. https://doi.org/10.3166/EJEE.19.221-234
180	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	https://doi.org/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

181	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 7-17. https://doi.org/10.3166/EJEE.19.7-17
182	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	https://doi.org/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
183	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	https://doi.org/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
184	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 43-57. https://doi.org/10.3166/EJEE.19.43-57
185	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. <i>European Journal of Electrical Engineering</i> , Vol. 19, No. 1-2, pp. 59-73. https://doi.org/10.3166/EJEE.19.59-73
186	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, terrain, PI and PID	19, 1-2, 75-89	https://doi.org/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
187	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	https://doi.org/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
188	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	https://doi.org/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