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No.	Author(s)	Title	Journal	Year	ISSN	TIER
1	Zaini N.H., Ab. Kadir M.Z.A., Radzi M.A.M., Izadi M., Azis N., Ahmad N.I., Nasir M.S.M.	Lightning surge analysis on a large scale grid-connected solar photovoltaic system	Energies	2017	19961073	Q2
2	Hoon Y., Radzi M.A.M., Hassan M.K., Mailah N.F.	Control algorithms of shunt active power filter for harmonics mitigation: A review	Energies	2017	19961073	Q2
3	Mustafa S.S., Misron N., Othman M.L., Tsuyoshi H.	Power characteristics analysis of a novel double-stator magnetic geared permanent magnet generator	Energies	2017	19961073	Q2
4	Nor S.F.M., Azis N., Jasni J., Ab Kadir M.Z.A., Yunus R., Yaakub Z.	Investigation on the electrical properties of palm oil and coconut oil based TiO ₂ nanofluids	IEEE Transactions on Dielectrics and Electrical Insulation	2017	10709878	Q2
5	Bashi O.I.D., Wan Hasan W.Z., Azis N., Shafie S., Wagatsuma H.	Unmanned aerial vehicle quadcopter: A review	Journal of Computational and Theoretical Nanoscience	2017	15461955	Q2
6	Alkubaisi Y., Hasan W.Z.W., Mohd Noor S.B., Kadir M.Z.A.Ab., Sabry A.H.	Gravitational electric energy of a multilevel parking buildings in commercial and residential sectors proof of concept and prototype measurements	Journal of Computational and Theoretical Nanoscience	2017	15461955	Q2
7	Yahaya M.S., Azis N., Abidin Ab Kadir M.Z., Jasni J., Hairi M.H., Talib M.A.	Estimation of transformers health index based on the markov chain	Energies	2017	19961073	Q2
8	Behrooz F., Mariun N., Marhaban M.H., Radzi M.A.M., Ramli A.R.	A design of a hybrid non-linear control algorithm	Energies	2017	19961073	Q2
9	Kadhem A.A., Wahab N.I.A., Aris I., Jasni J., Abdalla A.N.	Advanced wind speed prediction model based on a combination of Weibull distribution and an artificial neural network	Energies	2017	19961073	Q2

10	Roslan M.H., Azis N., Ab Kadir M.Z.A., Jasni J. , Ibrahim Z., Ahmad A.	A simplified top-oil temperature model for transformers based on the pathway of energy transfer concept and the thermal-electrical analogy	Energies	2017	19961073	Q2
11	Jamaludin F.A., Abidin Ab-Kadir M.Z. , Izadi M., Azis N., Jasni J. , Abd-Rahman M.S.	Effects of RTV coating on the electrical performance of polymer insulator under lightning impulse voltage condition	PLoS ONE	2017	19326203	Q1
12	Mohammed A.A., Aris I. , Hassan M.K., Kamsani N.A.	New algorithm for autonomous dynamic path planning in real-time intelligent robot car	Journal of Computational and Theoretical Nanoscience	2017	15461955	Q2
13	Mohammed Z., Hizam H. , Gomes C.	Lightning strike impacts on hybrid photovoltaic-wind system	Indonesian Journal of Electrical Engineering and Computer Science	2017	25024752	Scopus
14	Al-Ogaili A.S., Aris I.B. , Sabry A.H., Othman M.L.B., Azis N.B. , Isa D., Hoon Y.	Design and development of three levels universal electric vehicle charger based on integration of VOC and SPWM techniques	Journal of Computational and Theoretical Nanoscience	2017	15461955	Q2
15	Sabry A.H., Hasan W.Z.W., Ab Kadir M.Z.A., Radzi M.A.M. , Shafie S.	DC-based smart PV-powered home energy management system based on voltage matching and RF module	PLoS ONE	2017	19326203	Q1
16	Sabry A.H., Hasan W.Z.W., Kadir M.Z.A.A., Radzi M.A.M. , Shafie S.	Photovoltaic-powered smart home system with direct current-environment	Journal of Computational and Theoretical Nanoscience	2017	15461955	Q2
17	Hadi M.K., Othman M.L., Wahab N.I.A.	Special protection and control scheme for transmission line overloading elimination based on hybrid differential evolution/electromagnetism-like algorithm	Journal of Electrical Engineering and Technology	2017	19750102	Q3
18	Mehrjou M.R., Mariun N., Misron N., Radzi M.A.M. , Musa S.	Broken rotor bar detection in LS-PMSM based on startup current analysis using wavelet entropy features	Applied Sciences (Switzerland)	2017	20763417	Q2

19	Sabow A.B., Adeyemi K.D., Idrus Z., Meng G.Y., Ab Kadir M.Z.A. , Kaka U., Aghwan Z.A., Abubakar A.A., Sazili A.Q.	Carcase characteristics and meat quality assessments in goats subjected to slaughter without stunning and slaughter following different methods of electrical stunning	Italian Journal of Animal Science	2017	15944077	Q2
20	Musa S., Radzi M.A.M. , Hizam H. , Wahab N.I.A. , Hoon Y., Zainuri M.A.A.M.	Modified synchronous reference frame based shunt active power filter with fuzzy logic control pulse width modulation inverter	Energies	2017	19961073	Q2
21	Aker E.E., Othman M.L. , Aris I. , Wahab N.I.A. , Hizam H. , Emmanuel O.	Adverse impact of STATCOM on the performance of distance relay	Indonesian Journal of Electrical Engineering and Computer Science	2017	25024752	Scopus
22	Goh Z.P., Radzi M.A.M. , Hizam H. , Wahab N.I.A.	Investigation of severity of voltage flicker caused by second harmonic	IET Science, Measurement and Technology	2017	17518822	Q3
23	Mehrjou M.R., Mariun N., Misron N., Radzi M.A.M.	Analysis of statistical features based on start-up current envelope for broken rotor bar fault detection in line start permanent magnet synchronous motor	Electrical Engineering	2017	9487921	Q3
24	Roslan M.H., Azis N. , Jasni J. , Ibrahim Z.	Top-oil temperature model for transformers based on nonlinear thermal resistance, lumped capacitance and thermal-electrical analogy	Pertanika Journal of Science and Technology	2017	1287680	Scopus
25	Khudher S.M., Aris I.B. , Mailah N.F. , Sahbudin R.K.	Analysis of AC - To - DC uncontrolled converters harmonics for electric vehicles applications	Pertanika Journal of Science and Technology	2017	1287680	Scopus
26	Iessa A., Wahab N.I.A. , Mariun N.	Weakest bus frequency identification of power system via TFDI	Pertanika Journal of Science and Technology	2017	1287680	Scopus

27	Alyozbaky O.S., Isa M.M., Kadir M.Z.A.A. , Izadi M.	The response of a high voltage transformer with various geometries of core joint design	Pertanika Journal of Science and Technology	2017	1287680	Scopus
28	Amran M., Radzi M. , Zai Peng G., Hizam H.	Voltage flicker estimation based on pair of inter-harmonics analysis method	Pertanika Journal of Science and Technology	2017	1287680	Scopus
29	Jasni J. , Azmi A., Azis N. , Yahaya M.S., Talib M.A.	Assessment of transformer health index using different model	Pertanika Journal of Science and Technology	2017	1287680	Scopus
30	Turki A.Q., Mailah N.F. , Sabry A.H.	Transmission lines modelling based on RLC passive and active filter design	Pertanika Journal of Science and Technology	2017	1287680	Scopus
31	Ho K.T., Izadi M., Kadir M.Z.A.A.	EFVD along porcelain insulator using the FEM	Pertanika Journal of Science and Technology	2017	1287680	Scopus
32	Azis N. , Von Thien Y., Yunus R., Yaakub Z.	Lightning breakdown voltages of refined bleached and deodorised palm oil under needle-plane configuration	Pertanika Journal of Science and Technology	2017	1287680	Scopus
33	Sakinah S., Othman T., Jasni J. , Mohtar M.N.	Analysis of air humidity and temperature for post lightning circumstances	Pertanika Journal of Science and Technology	2017	1287680	Scopus
34	Mailah N.F. , Hoon Y., Radzi M.A.M.	DC-link capacitor voltage regulation with effort-reduction fuzzy logic control for three-level inverter-based shunt active power filter	Pertanika Journal of Science and Technology	2017	1287680	Scopus
35	Norhisam M., Roslan M.K., Ishak A. , Hamidon M.N.	Metal scation using giant magneto resistance system	Pertanika Journal of Science and Technology	2017	1287680	Scopus

36	Izadi M., Abd Rahman M.S., Ab-Kadir M.Z.A. , Gomes C., Jasni J. , Hajikhani M.	The influence of lightning induced voltage on the distribution power line polymer insulators	PLoS ONE	2017	19326203	Q1
37	Mansoor M., Mariun N., AbdulWahab N.I.	Innovating problem solving for sustainable green roofs: Potential usage of TRIZ – Theory of inventive problem solving	Ecological Engineering	2017	9258574	Q2
38	Iqbal A.K.M.P., Zabri N.H.M., Begum S., Aris I.B.	Improvement of lifting mechanism of an intelligent additional track system for a Swamppeat tracked vehicle	Journal of Engineering and Applied Sciences	2017	1816949X	Scopus
39	Hoon Y., Radzi M.A.M. , Hassan M.K., Mailah N.F.	A self-tuning filter-based adaptive linear neuron approach for operation of three-level inverter-based shunt active power filters under non-ideal source voltage conditions	Energies	2017	19961073	Q2
40	Abu M.A., Harun H., Harmin M.Y., Wahab N.I.A. , Rahmat M.K., Hamid M.F.A., Ramli A.F.	Reconfigurable enhanced path metric updater unit for space time trellis code viterbi decoder	Journal of Telecommunication, Electronic and Computer Engineering	2017	21801843	Scopus
41	Matsukawa Y., Othman M.L. , Watanabe M., Mitani Y.	Reliably optimal PMU placement using disparity evolution-based genetic algorithm	Pertanika Journal of Science and Technology	2017	1287680	Scopus
42	Wahab N.I.A. , Hammadi A.S., Othman M.L.	Optimal location and size of distributed generation to reduce power losses based on differential evolution technique	Pertanika Journal of Science and Technology	2017	1287680	Scopus
43	Rawi I.M., Ab-Kadir M.Z.A. , Izadi M.	Seasonal variation of transmission line outages in peninsular Malaysia	Pertanika Journal of Science and Technology	2017	1287680	Scopus
44	Ali N.H., Ali B.M., Basir O., Othman M.L. , Hashim F., Aker E.	Opportunity for using WLAN with IEC 61850 and the future of this protocol	Pertanika Journal of Science and Technology	2017	1287680	Scopus

45	Musa S., Radzi M.A.M.	Synchronous reference frame fundamental method in shunt active power filter for mitigation of current harmonics	Pertanika Journal of Science and Technology	2017	1287680	Scopus
46	Othman M.L. , Hadi M.K., Wahab N.I.A.	A corrective action scheme for contingency monitoring of transmission line overloading	Pertanika Journal of Science and Technology	2017	1287680	Scopus
47	Kadhem A.A., Wahab N.I.A. , Aris I. , Jasni J. , Abdalla A.N., Matsukawa Y.	Reliability assessment of generating systems with wind power penetration via BPSO	International Journal on Advanced Science, Engineering and Information Technology	2017	20885334	Scopus
48	Abdul Rahman N.F., Mohd Radzi M.A. , Che Soh A., Mariun N., Abd Rahim N.	Significant insights into the operation of DC-link voltage control of a shunt active power filter using different control algorithms: A comparative study	Turkish Journal of Electrical Engineering and Computer Sciences	2017	13000632	Q4
49	Ali Kadhem A., Abdul Wahab N.I. , Aris I. , Jasni J. , Abdalla A.N.	Computational techniques for assessing the reliability and sustainability of electrical power systems: A review	Renewable and Sustainable Energy Reviews	2017	13640321	Q1
50	Maleki S.A.M., Hizam H. , Gomes C.	Estimation of hourly, daily and monthly global solar radiation on inclined surfaces: Models re-visited	Energies	2017	19961073	Q2
51	Hoon Y., Radzi M.A.M. , Hassan M.K., Mailah N.F.	A refined self-tuning filter-based instantaneous power theory algorithm for indirect current controlled three-level inverter-based shunt active power filters under non-sinusoidal source voltage conditions	Energies	2017	19961073	Q2
52	Kadhem A.A., Wahab N.I.A. , Aris I. , Jasni J. , Abdalla A.N.	Reliability assessment of power generation systems using intelligent search based on disparity theory	Energies	2017	19961073	Q2
53	Hoon Y., Radzi M.A.M. , Hassan M.K., Mailah N.F.	Neutral-point voltage deviation control for three-level inverter-based shunt active power filter with fuzzy-based dwell time allocation	IET Power Electronics	2017	17554535	Q2
54	Turki A.Q., Mailah N.F. , Othman M.L. , Sabry A.H.	Transmission lines modeling based on vector fitting algorithm and rlc active/passive filter design	International Journal of Simulation: Systems, Science and Technology	2017	14738031	Scopus

55	Warid W., Hizam H. , Mariun N., Abdul-Wahab N.I.	A sensitivity based methodology for optimal placement of distributed generation in meshed power systems	International Journal of Simulation: Systems, Science and Technology	2017	14738031	Scopus
56	Ramalu T., Radzi M.A.M. , Zainuri M.A.A.M., Wahab N.I.A. , Rahman R.Z.A.	Dual-fuzzy MPPT in photovoltaic-DC analysis for dual-load operation with SEPIC converter	International Journal of Simulation: Systems, Science and Technology	2017	14738031	Scopus
57	Hoon Y., Radzi M.A.M. , Hassan M.K., Mailah N.F.	A simple neutral-point voltage deviation minimization method for three-level inverter-based shunt active power filter	International Journal of Simulation: Systems, Science and Technology	2017	14738031	Scopus
58	Alyozbaky O.S., Ab Kadir M.Z.A.A. , Izadi M., Gomes C., Azis N.B.	The behaviour of three phase three-leg 11KV transformer core type design under sinusoidal and non-sinusoidal operating conditions for different core materials	International Journal of Simulation: Systems, Science and Technology	2017	14738031	Scopus
59	Azmi A., Jasni J. , Azis N. , Kadir M.Z.A.A.	Evolution of transformer health index in the form of mathematical equation	Renewable and Sustainable Energy Reviews	2017	13640321	Q1
60	Mohd T.A.T., Hassan M.K., Aris I. , Azura C.S., Ibrahim B.S.K.K.	Application of fuzzy logic in multi-mode driving for a battery electric vehicle energy management	International Journal on Advanced Science, Engineering and Information Technology	2017	20885334	Scopus
61	Sidek M.H.M., Azis N. , Hasan W.Z.W., Ab Kadir M.Z.A. , Shafie S., Radzi M.A.M.	Automated positioning dual-axis solar tracking system with precision elevation and azimuth angle control	Energy	2017	3605442	Q1
62	Sabo M.L., Mariun N., Hizam H. , Mohd Radzi M.A. , Zakaria A.	Spatial matching of large-scale grid-connected photovoltaic power generation with utility demand in Peninsular Malaysia	Applied Energy	2017	3062619	Q1

63	Mirzaei M., Jasni J., Hizam H., Wahab N.I.A., Moazami E.	A combined analytical method for optimal location and sizing of distributed generation considering voltage stability and power loss in a power distribution system	Pertanika Journal of Science and Technology	2017	1287680	Scopus
64	Sabow A.B., Goh Y.M., Zulkifli I., Sazili A.Q., Kadir M.A.Z.A.A., Kaka U., Khadijah N., Adeyemi K.D., Ebrahimi M.	Electroencephalographic responses to neck cut and exsanguination in minimally anaesthetized goats	South African Journal of Animal Sciences	2017	3751589	Q3
65	Mustafa S.S., Mison N., Mariun N., Othman M.L., Hanamoto T.	Torque distribution characteristics of a novel double-stator permanent magnet generator integrated with a magnetic gear	Energies	2017	19961073	Q2
66	Mansoor M., Mariun N., Toudeshki A., Abdul Wahab N.I., Mian A.U., Hojabri M.	Innovating problem solving in power quality devices: A survey based on Dynamic Voltage Restorer case (DVR)	Renewable and Sustainable Energy Reviews	2017	13640321	Q1