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No.	Author(s)	Title	Journal	Year	ISSN	TIER
1	Veerasamy V., Abdul Wahab N.I. , Ramachandran R., Mansoor M., Thirumeni M. , Othman M.L.	High impedance fault detection in medium voltage distribution network using discrete wavelet transform and adaptive neuro-fuzzy inference system	Energies	2018	19961073	Q2
2	Ahmadipour M., Hizam H. , Othman M.L. , Radzi M.A.M. , Murthy A.S.	Islanding detection technique using Slantlet Transform and Ridgelet Probabilistic Neural Network in grid-connected photovoltaic system	Applied Energy	2018	3062619	Q1
3	Salim N.A., Othman M.M. , Jasni J. , Musirin I., Serwan M.S.	Modeling and evaluating the customer interruption cost due to dynamic electrical power and energy failure	International Journal of Electrical Power and Energy Systems	2018	1420615	Q1
4	Hadi M.K., Othman M.L. , Wahab N.I.A. , Sahib A., Qasim A.	Hybrid differential evolution-and-electromagnetism-like algorithm for transmission line protection	Journal of Engineering Science and Technology	2018	18234690	Scopus
5	Mohamed S.E.G., Jasni J. , Mohd Radzi M.A. , Hizam H.	Implementation of the power transistorassisted Sen transformer in steady-state load flow analysis	IET Generation, Transmission and Distribution	2018	17518687	Q2
6	Thien Y.V., Azis N. , Jasni J. , Kadir M.Z.A.A. , Yunus R., Jamil M.K.M., Yaakub Z.	Pre-breakdown streamer propagation and breakdown characteristics of refined bleached and deodorized palm oil under lightning impulse voltage	IEEE Transactions on Dielectrics and Electrical Insulation	2018	10709878	Q2
7	Rawi I.M., Abidin Ab Kadir M.Z. , Gomes C., Azis N.	A case study on 500 kV line performance related to lightning in Malaysia	IEEE Transactions on Power Delivery	2018	8858977	Q1
8	Saupi A.F.M., Mailah N.F. , Radzi M.A.M. , Mohamad K.B., Ahmad S.Z., Soh A.C.	An illustrated guide to estimation ofwater velocity in unregulated river for hydrokinetic performance analysis studies in East Malaysia	Water (Switzerland)	2018	20734441	Q2

9	Yahaya M.S., Azis N. , Selva A.M., Kadir M.Z.A.A. , Jasni J. , Hairi M.H., Ghazali Y.Z., Talib M.A.	Effect of pre-determined maintenance repair rates on the health index state distribution and performance condition curve based on the Markov Prediction Model for sustainable transformers asset management strategies	Sustainability (Switzerland)	2018	20711050	Q2
10	Murthy A.S., Azis N. , Al-Ameri S., Yousof M.F.M., Jasni J. , Talib M.A.	Investigation of the effect of winding clamping structure on frequency response signature of 11 kV distribution transformer	Energies	2018	19961073	Q2
11	Othman M.M., Salim M.A.I., Musirin I., Salim N.A., Othman M.L.	Dynamic economic dispatch assessment using particle swarm optimization technique	Bulletin of Electrical Engineering and Informatics	2018	20893191	Scopus
12	Roslan N., Ya'acob M.E. , Radzi M.A.M. , Hashimoto Y., Jamaludin D., Chen G.	Dye Sensitized Solar Cell (DSSC) greenhouse shading: New insights for solar radiation manipulation	Renewable and Sustainable Energy Reviews	2018	13640321	Q1
13	Hoon Y., Radzi M.A.M. , Hassan M.K., Mailah N.F.	Operation of Three-Level Inverter-Based Shunt Active Power Filter under Nonideal Grid Voltage Conditions with Dual Fundamental Component Extraction	IEEE Transactions on Power Electronics	2018	8858993	Q1
14	Yahaya M.S., Azis N. , Selva A.M., Kadir M.Z.A.A. , Jasni J. , Kadim E.J., Hairi M.H., Ghazali Y.Z.Y.	A maintenance cost study of transformers based on markov model utilizing frequency of transition approach	Energies	2018	19961073	Q2
15	Hoon Y., Radzi M.A.M.	PLL-less three-phase four-wire SAPF with STF-dq0 technique for harmonics mitigation under distorted supply voltage and unbalanced load conditions	Energies	2018	19961073	Q2
16	Aliteh N.A., Misron N., Aris I. , Sidek R.M., Tashiro K., Wakiwaka H.	Triple flat-type inductive-based oil palm fruit maturity sensor	Sensors (Switzerland)	2018	14248220	Q1
17	Al-Ogaili A.S., Aris I. , Othman M.L. , Azis N. , Isa D., Hoon Y.	Design and experimental results of universal electric vehicle charger using DSP	Telkomnika (Telecommunication Computing Electronics and Control)	2018	16936930	Scopus
18	Abdulhamed A.J., Adam N.M., Ab-Kadir M.Z.A. , Hairuddin A.A.	Review of solar parabolic-trough collector geometrical and thermal analyses, performance, and applications	Renewable and Sustainable Energy Reviews	2018	13640321	Q1

19	Alyozbaky O.S., Ab-Kadir M.Z.A., Izadi M., Gomes C., Azis N. , Isa M.	A new approach of core structure model for 3-phase distribution transformer	International Transactions on Electrical Energy Systems	2018	20507038	Q3
20	Sabri Y.H., Wan. Hasan W.Z., Shafie S., Radzi M.A.M. , Sabry A.H.	Daily harvested energy of cadmium telluride thin film photovoltaic	Indonesian Journal of Electrical Engineering and Computer Science	2018	25024752	Scopus
21	Sabry A.H., Hasan W.Z.W., Ab. Kadir M.Z.A. , Radzi M.A.M. , Shafie S.	Wireless monitoring prototype for photovoltaic parameters	Indonesian Journal of Electrical Engineering and Computer Science	2018	25024752	Scopus
22	Tariq W., Lutfi Othman M. , Wahab N.I.A. , Akhtar S.	Smart monitoring and controlling of frequency deviation by using MATLAB GUI and ARDUINO DAQ card	Indonesian Journal of Electrical Engineering and Computer Science	2018	25024752	Scopus
23	Sabry Y.H., Hasan W.Z.W., Sabry A.H., Kadir M.Z.A.A. , Radzi M.A.M. , Shafie S.	Measurement-based modeling of a semitransparent CdTe Thin-Film PV Module Based on a Custom Neural Network	IEEE Access	2018	21693536	Q1
24	Mohamad N.A., Azis N. , Jasni J. , Kadir M.Z.A.A. , Yunus R., Yaakub Z.	Physiochemical and electrical properties of refined, bleached and deodorized palm oil under high temperature ageing for application in transformers	Energies	2018	19961073	Q2
25	Hoon Y., Mohd Radzi M.A. , Hassan M.K., Mailah N.F.	A Dual-Function Instantaneous Power Theory for Operation of Three-Level Neutral-Point-Clamped Inverter-Based Shunt Active Power Filter	Energies	2018	19961073	Q2
26	Sabry R.Z., Gomes C., Izadi M., Ab Kadir M.Z.A. , Hizam H. , Jasni J.	Experimental investigation on breakdown characteristics of sand, bentonite and their mixes	Journal of Electrostatics	2018	3043886	Q3
27	Sabow A.B., Goh Y.M., Zulkifli I., Ab Kadir M.Z. , Kaka U., Adeyemi K.D., Abubakar A.A., Imlan J.C., Ebrahimi M., Sazili A.Q.	Electroencephalographic and blood parameters changes in anaesthetised goats subjected to slaughter without stunning and slaughter following different electrical stunning methods	Animal Production Science	2018	18360939	Q1
28	Zerin I., Aris I.B. , Mailah N.F.B.	A critical review of induction heating system (IHS) technology and its applications	Journal of Computational and Theoretical Nanoscience	2018	15461955	Scopus
29	Alkubaisi Y., Hasan W.Z.W., Mohd Noor S.B., Ab Kadir M.Z.A. , Sabry A.H.	Review of gravitational electric energy and application perspectives on modern buildings	Journal of Computational and Theoretical Nanoscience	2018	15461955	Scopus

30	Kadim E.J., Azis N., Jasni J. , Ahmad S.A., Talib M.A.	Transformers health index assessment based on neural-fuzzy network	Energies	2018	19961073	Q2
31	Warid W., Hizam H. , Mariun N., Abdul Wahab N.I.	A novel quasi-oppositional modified Jaya algorithm for multi-objective optimal power flow solution	Applied Soft Computing Journal	2018	15684946	Q1
32	Mohamad N.A., Azis N., Jasni J., Kadir M.Z.A.A. , Yunus R., Yaakub Z.	Ageing study of palm oil and coconut oil in the presence of insulation paper for transformers application	Materials	2018	19961944	Q2
33	Behrooz F., Mariun N., Marhaban M.H., Radzi M.A.M. , Ramli A.R.	Review of control techniques for HVAC systems-nonlinearity approaches based on fuzzy cognitive maps	Energies	2018	19961073	Q2
34	Quiroz J.C., Mariun N., Mehrjou M.R., Izadi M., Misron N., Mohd Radzi M.A.	Fault detection of broken rotor bar in LS-PMSM using random forests	Measurement: Journal of the International Measurement Confederation	2018	2632241	Q1
35	Ali N.H., Ali B.M., Othman M.L. , Abdel-Latif K.M.	Performance of communication networks for Integrity protection systems based on travelling wave with IEC 61850	International Journal of Electrical Power and Energy Systems	2018	1420615	Q1
36	Ahmad N.I., Ab-Kadir M.Z.A. , Izadi M., Azis N., Radzi M.A.M. , Zaini N.H., Nasir M.S.M.	Lightning protection on photovoltaic systems: A review on current and recommended practices	Renewable and Sustainable Energy Reviews	2018	13640321	Q1
37	Katim N.I.A., Ishak M.T., Amin N.A.M., Hamid M.H.A., Ahmad K.A., Azis N.	Lightning Breakdown Voltage Evaluation of Palm Oil and Coconut Oil as Transformer Oil under Quasi-Uniform Field Conditions	Energies	2018	19961073	Q2
38	Ahmadipour M., Hizam H., Lutfi Othman M., Mohd Radzi M.A.	An anti-islanding protection technique using a wavelet packet transform and a probabilistic neural network	Energies	2018	19961073	Q2
39	Selva A.M., Azis N. , Yahaya M.S., Ab Kadir M.Z.A., Jasni J. , Ghazali Y.Z.Y., Talib M.A.	Application of markov model to estimate individual condition parameters for transformers	Energies	2018	19961073	Q2

40	Othman M.M., Musirin I., Rosli A.M.M., Othman M.L.	Reliability-based Phasor Measurement Unit with outage of transmission lines	International Journal of Engineering and Technology(UAE)	2018	2227524X	Scopus
41	Tariq W., Othman M.L., Wahab N.I.A. , Ebrahim M.	A review on ESCO's challenges and project management as a solving tool	Indonesian Journal of Electrical Engineering and Computer Science	2018	25024752	Scopus
42	Emmanuel O., Othman M.L., Hizam H. , Othman M.M., Elhad A.E., Okeke C.A., Nwagbara S.O.	Faults signature extraction in wind farm integrated transmission line topology	Indonesian Journal of Electrical Engineering and Computer Science	2018	25024752	Scopus
43	Al-Ogaili A.S., Aris I., Othman M.L.B. , Hoon Y., Isa D., Azis N.B. , Abbas H.F.	A review of different control methods in power electronic	Journal of Engineering and Applied Sciences	2018	1816949X	Scopus
44	Dallal Bashi O.I., Wan Hasan W.Z., Azis N. , Shafie S., Wagatsuma H.	Autonomous quadcopter altitude for measuring risky gases in hazard area	Journal of Telecommunication, Electronic and Computer Engineering	2018	21801843	Scopus
45	Salihu S.M., Misron N., Othman M.L. , Hanamoto T.	Power density evaluation of a novel double-stator magnetic geared permanent magnet generator	Progress In Electromagnetics Research B	2018	19376472	Scopus
46	Zainuri M.A.A.M., Radzi M.A.M. , Soh A.C., Mariun N., Rahim N.A., Teh J., Lai C.-M.	Photovoltaic integrated shunt active power filter with simpler ADALINE algorithm for current harmonic extraction	Energies	2018	19961073	Q2
47	Raof N.A., Yunus R., Rashid U., Azis N. , Yaakub Z.	Palm-based neopentyl glycol diester: A potential green insulating oil	Protein and Peptide Letters	2018	9298665	Q4
48	Aris I.B. , Yusof S.M.M., Mousavi S.N., Ali H.H., Sahbudin R.K.Z.	Low cost wireless EEG system for medical and non-medical applications	IEEJ Transactions on Electronics, Information and Systems	2018	3854221	Q4
49	Sabry A.H., Hasan W.Z.W., Ab Kadir M.Z.A., Radzi M.A.M. , Shafie S.	Field data-based mathematical modeling by Bode equations and vector fitting algorithm for renewable energy applications	PLoS ONE	2018	19326203	Q1
50	Sarhan A., Hizam H. , Mariun N., Ya'acob M.E.	An improved numerical optimization algorithm for sizing and configuration of standalone photo-voltaic system components in Yemen	Renewable Energy	2018	9601481	Q1

51	Ahmadipour M., Hizam H. , Othman M.L. , Radzi M.A.	Islanding detection method using ridgelet probabilistic neural network in distributed generation	Neurocomputing	2018	9252312	Q1
52	Al-Jlibawi A., Bin Othman M.L. , Al-Huseiny M.S., Bin Aris I. , Bahari S.	Efficient soft sensor modelling for advanced manufacturing systems by applying hybrid intelligent soft computing techniques	International Journal of Simulation: Systems, Science and Technology	2018	14738031	Scopus