

**PUBLICATION : PROCEEDING
YEAR 2020**

No.	Author(s)	Title	Journal	Year	ISSN	TIER
1	Masrur H., Othman M.L., Amirul Arefin A., Hizam H.B., Wahab N.I.A., Islam S.Z., Senjyu T.	Determining optimal tilt angle to maximize the PV yield	PECon 2020 - 2020 IEEE International Conference on Power and Energy	2020		Scopus
2	Devendran V.S., Jasni J., Mohd Radzi M.A., Azis N.	Optimal placement of PMU for complete observability of power system considering zero injection and islanding condition	PECon 2020 - 2020 IEEE International Conference on Power and Energy	2020		Scopus
3	Abo Alwez M., Jasni J., Mohd Radzi M.A., Azis N.	PV system sizing to cover the electricity shortage in a residential quarter in Iraq	PECon 2020 - 2020 IEEE International Conference on Power and Energy	2020		Scopus
4	Mahmod Mohammad A.N., Amran Mohd Radzi M., Azis N., Shafie S., Atiqi Mohd M.A.	Composite trapezoidal rule-based maximum power point tracking algorithm for photovoltaic systems under complex shading conditions	PECon 2020 - 2020 IEEE International Conference on Power and Energy	2020		Scopus
5	Asman S.H., Ab Aziz N.F., Abd Kadir M.Z.A., Amirulddin U.A.U.	Fault signature analysis for medium voltage overhead line based on new characteristic indices	PECon 2020 - 2020 IEEE International Conference on Power and Energy	2020		Scopus
6	Asman S.H., Ab Aziz N.F., Abd Kadir M.Z.A., Amirulddin U.A.U.	Fault signature analysis based on digital fault recorder in malaysia overhead line system	PECon 2020 - 2020 IEEE International Conference on Power and Energy	2020		Scopus
7	Amran M., Radzi M.	Facing Energy Trilemma with Solar Power Generation as Future Main Player in Infrastructure Development	IOP Conference Series: Materials Science and Engineering	2020	17578981	Scopus

8	Othman N.F., Su A.M., Ya'acob M.E., Man H.C., Iskandar N.	Micro climate evaluation based on 6-level temperature for agrivoltaic tropical condition	AIP Conference Proceedings	2020	0094243X	Scopus
9	Arefin A.A., Masrur H., Othman M.L., Hizam H., Wahab N.I.A., Jalaluddin N.A., Islam S.Z.	Power resilience enhancement of a PV-battery-diesel microgrid	Proceedings - 2020 International Conference on Smart Grids and Energy Systems, SGES 2020	2020		Scopus
10	Husain A.A.F., Ahmad Phesal M.H., Abdul Kadir M.Z., Ungku Amirulddin U.A.	Short Review on recent solar PV policies in Malaysia	E3S Web of Conferences	2020	25550403	Scopus
11	Ismail B., Wahab N.I.A., Othman M.L., Radzi M.A.M., Vijayakumar K.N., Naain M.M.	Analytical Approaches on Optimal Placement of STATCOM under Contingency Occasions	2020 2nd International Conference on Smart Power and Internet Energy Systems, SPIES 2020	2020		Scopus
12	Veerasamy V., Wahab N.I.A., Ramachandran R., Othman M.L., Hizam H., Islam M.Z., Nasir M.N.M., Irudayaraj A.X.R.	Load flow analysis using intelligence-based hopfield neural network for voltage stability assessment	2020 2nd International Conference on Smart Power and Internet Energy Systems, SPIES 2020	2020		Scopus
13	Sabo A., Wahab N.I.A., Othman M.L., Jaffar M.Z.A.M.	Mitigation of oscillations in smib using a novel farmland fertility optimization based PIDPSS	2020 2nd International Conference on Smart Power and Internet Energy Systems, SPIES 2020	2020		Scopus
14	Emmanuel O., Othman M.L., Hizam H., Othman M.M., Chidiebere A O., Samuel O N.	Single line-to-ground fault special protection scheme for integrated windfarm transmission line using data mining	2020 2nd International Conference on Smart Power and Internet Energy Systems, SPIES 2020	2020		Scopus

15	Idris M.I., Abidin Y.Z., Abdullah H., Shafie S., Chachuli S.A.M., Rashid M., Xian K.J.	Zinc Oxide Quantum Dots as Photoanode for Dye-Sensitized Solar Cell	IEEE International Conference on Semiconductor Electronics, Proceedings, ICSE	2020		Scopus
16	Shaari S.R., Othman M.L., Hizam H., Dahlan N.Y., Chik M.H., Yahaya M.S., Bakar H.A., Anuar S.Z., Amir Z.	Analysis Potential Benefit of Energy Cost the Chiller Plant Operation Engaging with Tariff Scheme	Journal of Physics: Conference Series	2020	17426588	Q4
17	Al-Jlibawi A., Othman M.L.B., Al-Huseiny M.S., Aris I.B., Bahari S.	The efficiency of soft sensors modelling in advanced control systems in oil refinery through the application of hybrid intelligent data mining techniques	Journal of Physics: Conference Series	2020	17426588	Q4
18	Rowshanaie O., Tohir M.Z.M., Mustapha F., Ya'Acob M.E., Rowshanaie H.	Optimization and Analyzing of Subcritical Organic Rankine Cycle Using R1234ze(E) for Low and Medium Temperature Heat Source	IOP Conference Series: Materials Science and Engineering	2020	17578981	Scopus
19	Hassan W., Hasan R., Lu D.D.-C., Xiao W.	Design and Development of High Step-up DC-DC Converter to Realize High Efficiency and Reduced Voltage Stress	Conference Proceedings - IEEE Applied Power Electronics Conference and Exposition - APEC	2020		Scopus
20	Hameed H.K., Hassan W.Z.W., Shafie S., Ahmad S.A., Jaafar H., Mat L.N.I., Alkubaisi Y.	Identifying the best forearm muscle to control soft robotic glove system by using a single sEMG channel	2020 Advances in Science and Engineering Technology International Conferences, ASET 2020	2020		Scopus
21	Ariffen A.M., Arshad S.N.M., Ab Kadir M.Z.A., Jasni J., Halim N.H.	An experimental work on effect of bending down conductor with reinforced concrete	Journal of Physics: Conference Series	2020	17426588	Q4

22	Shamsudin N.H., Shafie S., Ab Kadir M.Z.A., Ahmad F., Chachuli S.A.M., Sulaiman Y.	I-V performance analysis of flexible back Illuminated Dye Sensitized Solar cells (DSSCS) with various platinum catalyst contents	Journal of Physics: Conference Series	2020	17426588	Q4
23	Islam M.Z., Abdul Wahab N.I., Veerasamy V., Mailah N.F., Hizam H., Mohd Nasir M.N., Vinayagam A.	Generation fuel cost and loss minimization using salp swarm algorithm based optimal power flow	2020 International Conference on Computer Communication and Informatics, ICCCI 2020	2020		Scopus
24	Zuikafly S.N.F., Ahmad H., Shafie S., Lim H.N., Ahmad F.	Graphene oxide-polyvinyl alcohol film in micro cavity for optical comb filter generation	International Journal of Nanotechnology	2020	14757435	Q4