

**PUBLICATION : PROCEEDING
YEAR 2021**

No.	Author(s)	Title	Journal	Year	ISSN	TIER
1	Ruzaimi A., S S., Hassan W.Z.W., Azis N., Ya'acob M.E., Elianddy E., Aimrun W.	Performance analysis of thermoelectric generator implemented on non-uniform heat distribution of photovoltaic module	Energy Reports	2021	23524847	Scopus
2	Sadrolhosseini A.R., Shafie S., Soleimani H., Mahdi M.A.	Polypyrrole-BaFe ₂ O ₄ sensing layer for detection of strontium ion in aqueous solution using surface plasmon resonance curves fitting	Optics and Laser Technology	2021	303992	Scopus
3	Abd Rahman F.A., Ab Kadir M.Z.A., Ungku Amirulddin U.A., Osman M.	Computation of Energy Absorption and Residual Voltage in a Fourth Rail LRT Station Arresters in EMTP-RV: A Comparative Study	Urban Rail Transit	2021	21996687	Scopus
4	Abdulhameed A., Wahab N.Z.A., Mohtar M.N., Hamidon M.N., Shafie S., Halin I.A.	Methods and Applications of Electrical Conductivity Enhancement of Materials Using Carbon Nanotubes	Journal of Electronic Materials	2021	3615235	Scopus
5	Ridha H.M., Hizam H., Gomes C., Heidari A.A., Chen H., Ahmadipour M., Muhsen D.H., Alghairi M.	Parameters extraction of three diode photovoltaic models using boosted LSHADE algorithm and Newton Raphson method	Energy	2021	3605442	Scopus
6	Tan H.J., Zainal Z., Talib Z.A., Lim H.N., Shafie S., Tan S.T., Tan K.B., Bahrudin N.N.	Synthesis of high quality hydrothermally grown ZnO nanorods for photoelectrochemical cell electrode	Ceramics International	2021	2728842	Scopus
7	Konneh K.V., Masrur H., Othman M.L., Takahashi H., Krishna N., Senjyu T.	Multi-attribute decision-making approach for a cost-effective and sustainable energy system considering weight assignment analysis	Sustainability (Switzerland)	2021	20711050	Scopus

8	Jeffary A.V., Ahmed O.H., Heng R.K.J., Choo L.N.L.K., Omar L., Musah A.A., Abdu A.	Nitrous oxide emissions in pineapple cultivation on a tropical peat soil	Sustainability (Switzerland)	2021	20711050	Scopus
9	Sulok K.M.T., Ahmed O.H., Khew C.Y., Zehnder J.A.M., Jalloh M.B., Musah A.A., Abdu A.	Chemical and biological characteristics of organic amendments produced from selected agro-wastes with potential for sustaining soil health: A laboratory assessment	Sustainability (Switzerland)	2021	20711050	Scopus
10	Rahman F.A.A., Kadir M.Z.A.A., Amirulddin U.A.U., Osman M.	Electrical performance of polymer-insulated rail brackets of dc transit subjected to lightning induced overvoltage	Materials	2021	19961944	Scopus
11	Selva A.M., Azis N., Shariffudin N.S., Kadir M.Z.A.A., Jasni J., Yahaya M.S., Talib M.A.	Application of statistical distribution models to predict health index for condition-based management of transformers	Applied Sciences (Switzerland)	2021	20763417	Scopus
12	Mohamad N.A., Azis N., Jasni J., Ab. Kadir M.Z.A., Yunus R., Yaakub Z.	Experimental study on the partial discharge characteristics of palm oil and coconut oil based Al ₂ O ₃ nanofluids in the presence of sodium dodecyl sulfate	Nanomaterials	2021	20794991	Scopus
13	Salim N.A., Jasni J., Othman M.M.	Reliability assessment by sensitivity analysis due to electrical power sequential tripping for energy sustainability	International Journal of Electrical Power and Energy Systems	2021	1420615	Scopus
14	Sadrolhosseini A.R., Shafie S., Rashid S.A., Mahdi M.A.	Surface plasmon resonance measurement of arsenic in low concentration using polypyrrole-graphene quantum dots layer	Measurement: Journal of the International Measurement Confederation	2021	2632241	Scopus
15	Zaid M.H.M., Sidek H.A.A., Matori K.A., Abdu A., Mahmoud K.A., Al-Shammari M.M., Lacomme E., Imheidat M.A., Sayyed M.I.	Influence of heavy metal oxides to the mechanical and radiation shielding properties of borate and silica glass system	Journal of Materials Research and Technology	2021	22387854	Scopus

16	Masrur H., Konneh K.V., Ahmadi M., Khan K.R., Othman M.L., Senjyu T.	Assessing the techno-economic impact of derating factors on optimally tilted grid-tied photovoltaic systems	Energies	2021	19961073	Scopus
17	Veerasamy V., Wahab N.I.A., Othman M.L., Padmanaban S., Sekar K., Ramachandran R., Hizam H., Vinayagam A., Islam M.Z.	LSTM Recurrent Neural Network Classifier for High Impedance Fault Detection in Solar PV Integrated Power System	IEEE Access	2021	21693536	Scopus
18	Shukri M.S., Azis N., Jasni J., Yunus R., Yaakub Z.	Statistical analysis of AC dielectric strength for palm oil under the influence of moisture	Pertanika Journal of Science and Technology	2021	1287680	Scopus
19	Noor N.M., Aris I., Misron N., Shafie S., Iqbal P.	Performance analysis of the linear launcher motor via modelling and simulation for light electric vehicles	Pertanika Journal of Science and Technology	2021	1287680	Scopus
20	Veerasamy V., Abdul Wahab N.I., Ramachandran R., Kamel S., Othman M.L., Hizam H., Farade R.	Power flow solution using a novel generalized linear Hopfield network based on Moore–Penrose pseudoinverse	Neural Computing and Applications	2021	9410643	Scopus
21	Konneh K.V., Masrur H., Othman M.L., Wahab N.I.A., Hizam H., Islam S.Z., Crossley P., Senjyu T.	Optimal Design and Performance Analysis of a Hybrid Off-grid Renewable Power System Considering Different Component Scheduling, PV Modules and Solar Tracking Systems	IEEE Access	2021	21693536	Scopus
22	Farade R.A., Wahab N.I.A., Mansour D.-E.A., Azis N.B., Jasni J.B., Veerasamy V., Thirumeni M., Irudayaraj A.X.R., Murthy A.S.	Investigation of the effect of sonication time on dispersion stability, dielectric properties, and heat transfer of graphene based green nanofluids	IEEE Access	2021	21693536	Scopus
23	Veerasamy V., Wahab N.I.A., Othman M.L., Padmanaban S., Sekar K., Ramachandran R., Hizam H., Vinayagam A., Islam M.Z.	LSTM Recurrent Neural Network Classifier for High Impedance Fault Detection in Solar PV Integrated Power System	IEEE Access	2021	21693536	Scopus

24	Aziz M.F., Azam M.A., Noor I.M., Buraidah M.H., Arof A.K.	Impact of Diethyl carbonate in PVA based gel polymer electrolytes on dye-sensitized solar cells performance	Optical and Quantum Electronics	2021	3068919	Scopus
25	Salim N.A., Jasni J., Mohamad H., Mat Yasin Z.	Transformer health index prediction using feedforward neural network according to scoring and ranking method	International Journal of Advanced Technology and Engineering Exploration	2021	23945443	Scopus
26	Permal N., Osman M., Ariffin A.M., Ab Kadir M.Z.A.	The impact of substation grounding grid design parameters in non-homogenous soil to the grid safety threshold parameters	IEEE Access	2021	21693536	Scopus
27	Ridha H.M., Gomes C., Hizam H., Ahmadipour M., Heidari A.A., Chen H.	Multi-objective optimization and multi-criteria decision-making methods for optimal design of standalone photovoltaic system: A comprehensive review	Renewable and Sustainable Energy Reviews	2021	13640321	Scopus
28	Lokman M.Q., Shaban S., Shafie S., Ahmad F., Yahaya H., Rosnan R.M., Ibrahim M.A.	Improving Ag-TiO ₂ nanocomposites' current density by TiCl ₄ pretreated on FTO glass for dye-sensitised solar cells	Micro and Nano Letters	2021	17500443	Scopus
29	Megat Hasnan M.M.I., Mohd Noor I.S., Nayan N., Ahmad M.K., Mohd Said S., Mohd Sabri M.F., Mohd Salleh M.F., Mohamed Ali M.S., Mohd Zin R.	Enhancement of spin Seebeck effect of reverse spin crossover Fe (II) micellar charge transport using PMMA polymer electrolyte	Applied Organometallic Chemistry	2021	2682605	Scopus