

## Theme 6-6: Smart Grid - 2020

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Big Data and IoT System for Utility Power Planning using Commercial Cloud Database	Ramesh, J.   Aburukba, R.   Al-Ali, A.R.	2nd International Conference on Electrical, Communication and Computer Engineering, ICECCE 2020	-	-	-	Conference Proceeding	Conference Paper	0
Deep Learning Detection of Electricity Theft Cyber-Attacks in Renewable Distributed Generation	Ismail, M.   Shaaban, M.F.   Naidu, M.   Serpedin, E.	IEEE Transactions on Smart Grid	11	4	3428-3437	Journal	Article	
Optimal Planning of Distributed Generators and Shunt Capacitors in Isolated Microgrids with Nonlinear Loads	Yazdavar, A.H.   Shaaban, M.F.   El-Saadany, E.F.   Salama, M.M.A.   Zeineldin, H.H.	IEEE Transactions on Sustainable Energy	11	4	2732-2744	Journal	Article	
Deployment optimization of dynamic wireless electric vehicle charging systems: A review	Elghanam, E.A.   Hassan, M.S.   Osman, A.H.	IEMTRONICS 2020 - International IOT, Electronics and Mechatronics Conference, Proceedings	-	-	-	Conference Proceeding	Conference Paper	
Non-communication based time-current-voltage dual setting directional overcurrent protection for radial distribution systems with DG	Balyith, A.A.   Sharaf, H.M.   Shaaban, M.   El-Saadany, E.F.   Zeineldin, H.H.	IEEE Access	8	-	190572-190581	Journal	Article	Gold
Stochastic Geometry-Based Model for Dynamic Allocation of Metering Equipment in Spatio-Temporal Expanding Power Grids	Atat, R.   Ismail, M.   Shaaban, M.F.   Serpedin, E.   Overbye, T.	IEEE Transactions on Smart Grid	11	3	2080-2091	Journal	Article	
Design and finite element modeling of the inductive link in wireless electric vehicle charging systems	Elghanam, E.A.   Hassan, M.S.   Osman, A.	2020 IEEE Transportation Electrification Conference and Expo, ITEC 2020	-	-	389-394	Conference Proceeding	Conference Paper	
Optimal management of mobile energy generation and storage systems	Samara, S.   Shaaban, M.F.   Osman, A.H.	IEEE Access	8	-	203890-203900	Journal	Article	Gold
Optimal allocation of distributed generation considering protection	Bakr, H.M.   Shaaban, M.F.   Osman, A.H.   Sindi, H.F.	Energies	13	9	-	Journal	Article	Gold   Green
Power Prediction via Module Temperature for Solar Modules Under Soiling Conditions	Shapsough, S.   Dhaouadi, R.   Zulkernan, I.   Takroui, M.	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICTS	324	-	85-95	Book Series	Conference Paper	
Modeling, simulation, and comparison of different ferrite layer geometries for inductive wireless electric vehicle chargers	Elghanam, E.A.   Hassan, M.S.   Osman, A.	Lecture Notes in Electrical Engineering	659	-	411-418	Book Series	Conference Paper	
Impacts of Allocating Distributed Generation on Protection System	Bakr, H.M.   Shaaban, M.F.   Osman, A.H.	Proceedings - 2020 6th International Conference on Electric Power and Energy Conversion Systems, EPECS 2020	-	-	107-111	Conference Proceeding	Conference Paper	
Study of the feasibility of using microwave power transfer for dynamic wireless electric vehicle charging	Ahmed, I.   Elghanam, E.A.   Hassan, M.S.   Osman, A.	2020 IEEE Transportation Electrification Conference and Expo, ITEC 2020	-	-	365-370	Conference Proceeding	Conference Paper	
Assessing efficiency and aging of lithium-ion battery in a hybrid energy storage system	Sharf, H.M.   Elghanam, E.A.   Hassan, M.S.   Osman, A.H.	IEMTRONICS 2020 - International IOT, Electronics and Mechatronics Conference, Proceedings	-	-	-	Conference Proceeding	Conference Paper	
A new day-ahead scheduling approach for smart EV parking lots	Abdelwahab, O.M.   Shaaban, M.F.	6th IEEE International Energy Conference, ENERGYCon 2020	-	-	906-910	Conference Proceeding	Conference Paper	
A Comparative Study of Rectangular and Double-D Coil Geometries for the Inductive Link Design of Wireless EV Charging System	Kabalan, H.H.   Elghanam, E.A.   Hassan, M.S.   Osman, A.	Proceedings - 2020 6th International Conference on Electric Power and Energy Conversion Systems, EPECS 2020	-	-	19-23	Conference Proceeding	Conference Paper	