

Theme 6-6: Smart Grid - 2021

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Design of a high power, lcc-compensated, dynamic, wireless electric vehicle charging system with improved misalignment tolerance	Elghanam, E. Hassan, M. Osman, A.	Energies	14	4	-	Journal	Article	Gold Green
Review of communication technologies for electric vehicle charging management and coordination	Elghanam, E. Hassan, M. Osman, A. Ahmed, I.	World Electric Vehicle Journal	12	3	-	Journal	Review	Gold
Using IoT and smart monitoring devices to optimize the efficiency of large-scale distributed solar farms	Shapsough, S. Takroui, M. Dhaouadi, R. Zualkernan, I.A.	Wireless Networks	27	6	4313-4329	Journal	Article	
Optimal operation of battery exchange stations for electric vehicles	Zaher, G.K. Shaaban, M.F. Mokhtar, M. Zeineldin, H.H.	Electric Power Systems Research	192	-	-	Journal	Article	
Authentication and billing for dynamic wireless EV charging in an internet of electric vehicles	Elghanam, E. Ahmed, I. Hassan, M. Osman, A.	Future Internet	13	10	-	Journal	Article	Gold
Design and performance analysis of misalignment tolerant charging coils for wireless electric vehicle charging systems	Elghanam, E. Hassan, M. Osman, A. Kabalan, H.	World Electric Vehicle Journal	12	3	-	Journal	Article	Gold
Assessing the Impact of Reactive Power Droop on Inverter Based Microgrid Stability	Lasheen, A. Ammar, M.E. Zeineldin, H.H. Al-Durra, A. Shaaban, M.F. El-Saadany, E.	IEEE Transactions on Energy Conversion	36	3	2380-2392	Journal	Article	
Deployment optimization of dynamic wireless chargers for electric vehicles	El Melligy, A.O. Elghanam, E.A. Hassan, M.S. Osman, A.H.	2021 IEEE Transportation Electrification Conference and Expo, ITEC 2021	-	-	113-118	Conference Proceeding	Conference Paper	
Cyber Security of Market-based Congestion Management Methods in Power Distribution Systems	Gulmkhan, O. El-Saadany, E. Youssef, A. Shaaban, M.	IEEE Transactions on Industrial Informatics	-	-	-	Journal	Article	
A multi-objective planning approach for optimal DG allocation for droop based microgrids	Shaaban, M.F. Saber, A. Ammar, M.E. Zeineldin, H.H.	Electric Power Systems Research	200	-	-	Journal	Article	
A mobile energy storage unit serving multiple EV charging stations	Elmeligy, M.M. Shaaban, M.F. Azab, A. Azzouz, M.A. Mokhtar, M.	Energies	14	10	-	Journal	Article	Gold
Deep Learning at the Edge for Operation and Maintenance of Large-Scale Solar Farms	Shapsough, S. Zualkernan, I. Dhaouadi, R.	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST	354	-	27-44	Book Series	Conference Paper	
Data Collection in Advanced Metering Infrastructure Using UAVs	Shahin, H. Shaaban, M.F. Ismail, M.H. Mourad, H.-A. Khattab, A.	ICCSA 2020 - 4th International Conference on Communications, Signal Processing, and their Applications	2021-	-	-	Conference Proceeding	Conference Paper	
An optimal resource allocation for future parking lots with charger assignment considering uncertainties	Abdelwahab, O.M. Shalaby, A.A. Shaaban, M.F.	Electric Power Systems Research	200	-	-	Journal	Article	
A Customer-Centered Smart Charging Strategy Considering Virtual Charging System	Mokhtar, M. Shaaban, M.F. Zeineldin, H. El-Saadany, E.F.	IEEE Access	9	-	117993-118004	Journal	Article	Gold
Battery Lifetime Modelling in Planning Studies of Microgrids: A Review	Khezri, R. Mahmoudi, A. Ertugrul, N. Shaaban, M.F. Bidram, A.	Proceedings of the 31st Australasian Universities Power Engineering Conference, AUPEC 2021	-	-	-	Conference Proceeding	Conference Paper	
A meshed backward/forward sweep load flow method for islanded meshed microgrids	Hameed, F. Al-Hosani, M. Shaaban, M.F. Saber, A. Zeineldin, H.H. Meng, K.	International Transactions on Electrical Energy Systems	31	11	-	Journal	Article	
Design and modeling of auxiliary misalignment detection coils for dynamic wireless electric vehicle charging systems	Louca, Y. Elghanam, E.A. Hassan, M.S. Osman, A.H.	2021 IEEE Transportation Electrification Conference and Expo, ITEC 2021	-	-	125-129	Conference Proceeding	Conference Paper	
Optimal Operation of Power System Integrated with Reverse Osmosis Water Desalination	Alnahhal, Z.H. Shaaban, M.F. Hamouda, M. Mokhtar, M.	Proceedings of the 2021 6th International Symposium on Environment-Friendly Energies and Applications, EFEA 2021	-	-	-	Conference Proceeding	Conference Paper	
Dual Stationary Frame Control of Inverter-based Resources for Reliable Phase Selection	Aboelnaga, A.A. Azzouz, M.A. Shaaban, M.F.	IEEE International Conference on Industrial Informatics (INDIN)	2021-	-	-	Conference Proceeding	Conference Paper	
Performance enhancement of a hybrid battery-supercapacitor EV energy storage system	Sharif, H.M. Elghanam, E.A. Hassan, M.S. Osman, A.H. Elmeligy, A.O.	2021 IEEE Transportation Electrification Conference and Expo, ITEC 2021	-	-	702-707	Conference Proceeding	Conference Paper	