



University of Mosul
College of Engineering



Electrical Engineering Department

Scientific Research
Electrical Engineering Department

No.	Research	Researcher	Name of Journal or Conference	Research Link on the publishing site	The year of publication or the year of acceptance of publication R	Is the Research Local?	SCOPUS or Web of science indexing
1	Real Time Speed Control of the DC Motor in LABVIEW	Shamil Hamza Hussein Al-Najjar	2020 7th International Conference on Electrical and Electronics Engineering (ICEEE)	https://ieeexplore.ieee.org/document/9102625	2020		
2	Study And Design of Class F Power Amplifier for Mobile Applications	Shamil Hamza Hussein Al-Najjar	Journal of Engineering Science and Technology	https://jestec.taylors.edu.my/Vol%2016%20Issue%205%20October%202021/16_5_14.pdf	2021		yes
3	Improvement of Non-Linear Power Amplifier Performance Using Doherty Technique	Shamil Hamza Hussein Al-Najjar	Journal of Engineering Science and Technology	https://jestec.taylors.edu.my/Vol%2016%20Issue%206%20December%20%202021/16_6_9.pdf	2021		yes
4	Modeling And Evaluating Performance for Long-Term Evaluation Networks in a Part of Mosul City	Dr. Saad Ahmed Ayoub	2021 4th International Conference on Information and Communications Technology (ICOIACT)	https://ieeexplore.ieee.org/xpl/conhome/9563950/proceeding	2021		
5	Design And Simulation of a High-Power Double-Output Isolated Cuk Converter	Dr. Muhammad Natiq Abdul Qadir	Eastern-European Journal of Enterprise Technologies	http://journals.uran.ua/eejet/article/view/238984	2021		yes
6	An AC/DC Switch Mode Power Supply Based on	Dr. Muhammad	2021 12th International	https://ieeexplore.ieee.org/document/9624938	2021		

	Half Bridge DC/DC Converter for Low Power Applications	Natiq Abdul Qadir	Renewable Energy Congress (IREC)				
7	The Impact of Length of Frame on The Performance of Video Application in WiMAX System	Dr. Muhammad Yunus Dhanun	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/article_169361.html	2021	yes	
8	Dynamic Security Assessment For the Power System in the Presence of Wind Turbines	Ali Abbawi Mohammed Alabbawi	Indonesian Journal of Electrical Engineering and Informatics (IJEEI)	http://section.iaesonline.com/index.php/IJEEI/article/view/3010	2021		yes
9	Modeling and Evaluating Performance for Long-Term Evaluation Networks in a Part of Mosul City	Dr.Saad Ahmed Ayoub	ICOIACT 2021 - 4th International Conference on Information and Communications Technology	https://ieeexplore.ieee.org/xp/conhome/9563950/proceeding	2021		
10	ICOIACT 2021 - 4th International Conference on Information and Communications Technology	Dr.Saad Ahmed Ayoub	ICOIACT 2021 - 4th International Conference on Information and Communications Technology	https://ieeexplore.ieee.org/document/9563918	2021		
11	Beam Tracking Channel for Millimeter-Wave Communication System using Least Mean Square Algorithm	Dr. Farhad Ezzedine Mahmoud Ahmed	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/article_169328_56709d6d8ca553947079fbf56061b9d2.pdf	2021	yes	
12	Study of the Impact of Antenna Selection Algorithms of Massive MIMO on Capacity And Energy Efficiency in 5G Communication Systems	Dr. Farhad Ezzulddin Mahmood	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/article_169363_b714a13f19c0455596972b03b5961074.pdf	2021	yes	

13	The Characteristics of CF3I Dielectric Barrier Discharge	Dr. Dawood Najem Saleh	IEEE Transactions on Plasma Science	https://ieeexplore.ieee.org/document/9600605	2021		yes
14	The Role of Renewable Energy in Supporting the Grid with the Help of Homer Software	Dr. Wael Hashem Hamdon AL-Hassoon	2nd International Conference of the School of Business		2021		
15	A Comparative Study of Resonant Frequency Calculation Based on Leakage-Inductance and Self-Inductance for CET System	Dr. Yasir Mohammed Younis	2021 12th International Renewable Energy Congress (IREC)	https://ieeexplore.ieee.org/document/9624790	2021		
16	Reactive Power Control Using STATCOM for Power System Voltage Improvement	Dr. Saad Enad Mohammed	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/	2021		
17	Renewable Energy Contribution to Reach NZEB with the Help of HOMER Software: A Case Study	Dr. Wael Hashem Hamdon AL-Hassoon	2021 1st International Conference on Electronic and Electrical Engineering and Intelligent System (ICE3IS)		2021		
18	Improvement Of Non-Linear Power Amplifier Performance Using Doherty Technique	Ahmed Abdel-Jabbar Ismail	Journal of Engineering Science and Technology (JESTEC)	https://jestec.taylors.edu.my/V16Issue6.htm	2021		yes
19	Influence of Non-Sinusoidal Power Supply on The Performance of a Single-Phase Capacitor Induction Motor	Dr. Omar Sharaf Al-Din Yahya	Indonesian Journal of Electrical Engineering and Computer Science	http://ijeecs.iaescore.com/index.php/IJECS/article/view/27234#:~:text=Power%20analyses%20and%20spectral%20	2022		yes

				analysis,from%20the%20non%20sinusoidal%20source.			
20	Resolution of Switched Capacitor Converter: A Graphical Approach	Dr. Muhammad Natiq Abdul Qadir	International Journal of Power Electronics and Drive Systems (IJPEDS)	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/21665	2022		yes
21	Electrical Energy from Waste and Garbage: General Review	Maha Abdul Rahman Abdul Majeed Al Falih	the NTU Journal of renewable Energy (NTU-JRE)	https://www.iasj.net/iasj/download/c53f986e6e8a5ce0	2022	yes	
22	Efficiency Enhancement of CMOS Power Amplifier for RF Applications	Shamil Hamza Hussein Al-Najjar	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/	2022		
23	Challenges, Trends and Solutions for Communication Networks and Cyber-Security in Smart Grid	Firas Sami Haseeb	Current Chinese Engineering Science	http://www.eurekaselect.com/article/120184	2022		
24	Inductanceless High Order Low Frequency Filters for Medical Applications	Nour Thamer Mohamed Fadel Al Mallah	International Journal of Electrical and Computer Engineering 12(2)	https://ijece.iaescore.com/index.php/IJECE/article/view/25544	2022		yes
25	On The Performance of Multi-User Massive MIMO over mm Wave Channels	Dr.Saad Ahmed Ayooob	7th International Conference on Contemporary Information Technology and Mathematics	https://ieeexplore.ieee.org/document/9677730	2022		
26	Comparative Performance of mm wave 5G System for Many Beamforming Methods	Dr.Saad Ahmed Ayooob	Integrated Sciences and Technologies, IMDC-IST 2021	https://eudl.eu/proceedings/IMDC-IST/2021?articles_page=14	2022		

27	Doppler Shift Effect with Non-Orthogonal Multiple Access Technology for 5G System	Dr.Saad Ayoob	Integrated Sciences and Technologies, IMDC-IST 2021	https://eudl.eu/proceedings/IMDC-IST/2021?articles_page=14	2022		
28	Implementation Of LTE in Mosul City: Problems and Solution	Dr.Saad Ahmed Ayoob	Integrated Sciences and Technologies, IMDC-IST 2021	https://eudl.eu/proceedings/IMDC-IST/2021?articles_page=14	2022		
29	Cyber-Attacks Risk Mitigation on Power System via Artificial Intelligence Technique	Dr. Saraa Ismaeel Khaliel	2022 9th International Conference on Electrical and Electronics Engineering (ICEEE)	https://ieeexplore.ieee.org/document/9772559	2022		
30	Analysis of the Performance of Artificial Intelligence Algorithms in Dynamic Security Assessment	Dr. Saraa Ismaeel Khaliel	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/article_173328.html	2022	yes	
31	The Future of Renewable Energy in Iraq: Potential and Challenges	Dr. Omar sharaf AL-Dean Yehya AL-Yozbaky	Indonesian Journal of Electrical Engineering and Informatics (IJEEI)	http://section.iaesonline.com/index.php/IJEEI/article/view/3756	2022		yes
32	Modeling And Analysis of Millimeter-Wave Propagation in Dusty Environments	Fawaz Yaseen Abdullah	TELKOMNIKA Telecommunication Computing Electronics and Control	http://telkomnika.uad.ac.id/index.php/TELKOMNIKA/article/view/23245	2022		yes
33	Protection Relay Performance Comparison for Faults Detection And Classification Based on ANN and ANFIS	Ibrahim Ismael Abdul hammed	The 3rd International Conference on Control, Instrumentation and Mechatronics Engineering (CIM 2022)	https://link.springer.com/Chapter/10.1007/978-981-19-3923-5_47	2022		

34	A Transmission Zero Position Control for 28 Ghz Rectangular Waveguide Cavity Bandpass Filter	Dr. Saad Wasmi Osman Luhaib	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/article_173332.html	2022	yes	
35	Performance of Circular Patch Microstrip Antenna for Adaptive Modulation And Coding Applications	Bushra Mohammed Ahmed	Bulletin of Electrical Engineering and Informatics	https://beei.org/index.php/EEI/article/view/3402/2729	2022		yes
36	Resilience and Self-Powered WiMAX System Enhanced by Fog Computing for Smart Grid Applications	Firas Sami Haseeb	Quantum Journal of Engineering, Science and Technology (QJOEST)	https://www.qjoest.com/index.php/qjoest	2022		
37	Three Phase Induction Motor Torque Tracking Algorithm Based on The Rotor Time Constant Identification	Dr. Dawood Najem Saleh	Indonesian Journal of Electrical Engineering and Computer Science	https://ijeecs.iaescore.com/index.php/IJEECS/article/view/27252	2022		yes
38	Role of Void Orientation and Shape on the Electric Field Distortion in High Voltage Cable	Dr. Dawood Najem Saleh	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/article_173331.html	2022	yes	
39	DQ Model of Three Phase Isolated Induction Generator using MATLAB	Ibrahim Ismael Abdulhammed	International Journal of Latest Engineering Research and Applications	http://www.ijlera.com/current-issue.html	2022		yes
40	Enhancement the Heavy File Application of 802.16e Cell using site COMP in Uplink Stream	Dr. Saad Ahmed Ayooob	Journal of Engineering Science and Technology	https://jestec.taylors.edu.my/Vol%2017%20Issue%203%20June%202022/17_3_7.pdf	2022		yes
41	The Use of Solar Heaters in Iraq an Economic Study	Dr. Wael Hashem	Al-Rafidain Engineering Journal (AREJ)	rengj.mosuljournals.com	2022		

		Hamdon AL-Hassoon					
42	Dynamic Forecasting of Solar Energy Microgrid Systems using Feature Engineering	Dr. Farhad Ezzulddin Mahmood	IEEE Transactions on Industry Applications	https://ieeexplore.ieee.org/document/9858626/authors#authors	2022		yes
43	Performance Analysis of Noma Using Different Types Receivers	Dr. Saad Ahmed Ayoub	Conference	https://ieeexplore.ieee.org/document/9563918	2022		
44	Insertion of High Frequency Solid State Transformer to Electric Power System and Analysis of its Performance	Dr. Yasir Mohammed Younis	Al-Rafidain Engineering Journal (AREJ)	https://rengi.mosuljournals.com/article_173330.html	2022		
45	Characterization of Silicon Tunnel Field Effect Transistor Based on Charge Plasma	Firas Nadheer Abulqader	Indonesian Journal of Electrical Engineering and Computer Science	http://jjeecs.iaescore.com/index.php/IJECS/article/view/25036	2022		yes
46	Voltage Sag, Voltage Swell and Harmonics Reduction Using Unified Power Quality Conditioner (UPQC) Under Nonlinear Loads	Dr. Ahmed Nasr Bahjat Al Sammak	Iraqi Journal for Electrical and Electronic Engineering	Iraqi Journal for Electrical and Electronic Engineering	2022	yes	
47	An Enhanced Industrial Wireless Communication Network for Hard Real Time Performance Substation Automation Purposes	Firas Sami Haseeb	Al-Rafidain Engineering Journal (AREJ)	https://rengi.mosuljournals.com/article_175368.html	2022	yes	

48	Self-Powered Wide Area Infrastructure Based on WiMAX for Real Time Applications of Smart Grid	Firas Sami Haseeb	IRAQI JOURNAL FOR ELECTRICAL AND ELECTRONIC ENGINEERING	https://ijeee.edu.iq/?s=Self-Powered+Wide+Area+Infrast ructure+Based+on+WiMAX +for+Real+Time+Applicatio ns+of+Smart+Grid	2022		yes
49	Switched Reluctance Motor Drives Speed Control Using Optimized PID Controller	Dr. Ahmed Nasser Bahjat Al Sammak	PRZEGLĄD ELEKTROTECHNICZNY		2022		
50	Enhancement Of Power Quality Using the Unified Power Quality Conditioner (UPQC) With Unbalanced Loads	Dr. Ahmed Nasser Bahjat Al Sammak			2022		
51	Smart Grid Application in The Iraqi Power System: Current and Future Challenges	Dr. Sarra Ismail Khalil	Bulletin of Electrical Engineering and Informatics	https://www.beei.org/index.p hp/EEI/article/view/4099/2973	2022		
52	Multi Area Load Frequency Control Using Fuzzy Type-2	Nagham Hikmat Aziz	conference		2022		

53	Absorption Enhancement and Scattering Inhibition for Bowtie Nanoantenna	Dr. Abdul Aleem Abdul-Fattah Rashid	conference		2022		
54	A Circular Dipole Nanoantenna with Improved Performance	Dr. Abdul Aleem Abdul-Fattah Rashid	conference		2022		
55	Critical Clearing Time Estimation of Multi Machine Power System Transient Stability Using Fuzzy Logic	Nagham Hikmat Aziz	International Journal of Electrical and Computer Engineering	https://ijece.iaescore.com/index.php/IJECE/article/view/26824	2022		
56	Millimeter Wave Beams Coordination and Antenna Array Height Effect	Dr. Saad Ahmed Ayoub	conference		2022		
57	A Proposed Method to Coordinate mm Wave Beams Based on Coordinated Multi-Point In 5G Networks	Dr. Saad Ahmed Ayoub	Journal of Communications	https://www.jocm.us/show-278-1837-1.html	2022		

58	Efficiency Enhancement of CMOS Power Amplifier for Rf Applications	Shamil Hamza Hussein Al-Najjar	Al-Rafidain Engineering Journal (AREJ)		2022	yes	
59	The use of solar heaters in Iraq an economic study	Dr. Wael Hashem Hamdoun	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/	2022		
60	The role of renewable energy in supporting the grid with the help of homer software	Dr. Wael Hashem Hamdoun			2022	yes	
61	DEVELOPMENT OF AN EFFICIENT VOLTAGE REGULATION MECHANISM FOR SWITCHED CAPACITOR CONVERTER WITH EXPONENTIAL GAIN	Dr. Muhammad Natiq Abdul Qadir Al-Rahim	Eastern-European Journal of Enterprise Technologies	https://journals.uran.ua/eejet/article/view/270316	2022		yes

62	Energy Efficiency Parameters Evaluation for 5G Application	Dr. Farhad Ezzedine Mahmoud Ahmed	Conference		2022		
63	Beam and Channel Tracking for 5G Communication Systems Using Adaptive Filtering Techniques: A Comparison Study	Dr. Farhad Ezzedine Mahmoud Ahmed	Journal of Communications Software and Systems	https://jcoms.fesb.unist.hr/10.24138/jcomss-2021-0117/	2022		
64	Semi-circular compact CPW-fed antenna for ultra-wideband applications	Dr. Farhad Ezzedine Mahmoud Ahmed	TELKOMNIKA Telecommunication, Computing, Electronics and Control	http://telkomnika.uad.ac.id/index.php/TELKOMNIKA/article/view/24229	2022		
65	Improving Grounding System for Oil Tanks Using Finite Element Method, Taking into Account the Frequency Dependence of Soil Parameters	Dr. Riyadh Zaki Sabri Younes Al-Mashhadani	Al-Rafidain Engineering Journal (AREJ)	https://rengj.mosuljournals.com/article_175322.html	2022	yes	
66	Optical Properties for CdSe:Cu Thin Film Prepared by Sputtering Method	Firas Natheer Abdulkadir Agha	International Journal of Engineering and		2022		

			Management Research				
67	Enhancement of the Lightning Protection System of Floating Roof Oil Tanks by Improving its Grounding System	Dr. Riyad Zaki Sabri Younes Al-Mashhadani	Conference		2022		
68	An Enhanced Industrial Wireless Communication Network for Hard Real Time Performance Substation Automation Purposes	Dr. Firas Sami Haseeb Al-Sharbati	Al-Rafidain Engineering Journal (AREJ)		2022	yes	
69	Optimization of Power Quality Using the Unified Power Quality Conditioner (UPQC) with Unbalanced Loads	Dr. Ahmed Nasser Bahjat Al Sammak	Al-Rafidain Engineering Journal (AREJ)		2022	yes	
70	A Review on Power System Voltage Stability with Limitation of an On Load Tap Changing Transformer	Dr. Ahmed Nasser Bahjat Al Sammak	Al-Rafidain Engineering Journal (AREJ)		2022	yes	

71	A Proposed Method to Coordinate mmWave Beams Based on Coordinated Multi-Point in 5G Networks	Dr. Saad Ahmed Ayoub Al-Salami	Journal of Communications		2022		
72	Adaptive Hybrid Pitch Angle Control and MPPT for PMSG-Based Wind Power Generator Systems	Dr. Mohammed Obaid Mustafa Al-Akedi	International Journal on Energy Conversion	https://www.praiseworthyprize.org/jsm/index.php?journal=irecon&page=article&op=view&path%5B%5D=26911	2022		yes
73	The performance of Faster R-CNN algorithm on a dataset with poor capturing conditions	Dr. Mohammed Obaid Mustafa Al-Akedi	Conference		2022		
74	Improving the Performance of Pitch Angle Control of Variable Speed Wind Energy Conversion Systems Using Fractional PI Controller	Dr. Saad Inad Muhammad Al-Jubouri	Conference		2022		

75	Impact of Shunt Reactor Over voltages Switching in High Voltage System	Dr. Omar Sharaf Al-Din Yahya Gerges Al-Yuzbaki	Conference		2022		
76	Comparison of Different Types of SPWM Techniques	Dr. Mohammed Ali Abdullah Muhammad Ezzo Al-Rawi	International Research Journal of Innovations in Engineering and Technology		2022		
77	Dynamic Security Assessment For Power System Using Attribute Selection Technique	Dr. Mohammed Ali Abdullah Muhammad Ezzo Al-Rawi	Indonesian Journal of Electrical Engineering and Informatics	https://section.iaesonline.com/index.php/IJEEI/article/view/3928/777	2022		yes
78	Long-Term Solar Irradiance Forecasting Using Multilinear Predictors	Dr. Farhad Ezzedine Mahmoud Ahmed	International Journal of Electrical and Electronic	https://www.ijeetc.com/show-233-1704-1.html	2023		

			Engineering & Telecommunications				
79	Enhancement Performance of High Electron Mobility Transistor (HEMT) Based on Dimensions Downscaling	Firas Natheer Abdulkadir Agha	International Journal of Electrical and Electronic Engineering & Telecommunications		2023		yes
80	Review on D-STATCOM for Power Quality Enhancement	Dr. Ahmed Nasser Bahjat Al Sammak	Al-Rafidain Engineering Journal (AREJ)		2023		
81	A miniaturized advanced rectenna integrated circuit for implantable applications	Dr. Shamil Hamza Hussein Al-Najjar	International Journal of Electronics and Communications	https://www.sciencedirect.com/science/article/abs/pii/S1434841123000183	2023		yes
82	Adequate compensation of dstatcom-based fgs for mitigating the impact of source disturbances in radial power systems	Dr. Ahmed Nasser Bahjat Al Sammak	Conference		2023		

83	A Review of Miniaturized Advanced IC Rectenna for Energy Harvesting Applications	Dr. Shamil Hamza Hussein Al-Najjar	Al-Rafidain Engineering Journal (AREJ)		2023	yes	
84	A Dual-Band Compact Integrated Rectenna for Implantable Medical Devices	Dr. Shamil Hamza Hussein Al-Najjar	International Journal of Electronics and Telecommunications	https://ijet.pl/index.php/ijet/article/view/10.24425-ijet.2023.144356	2023		
85	Design and implementation of power convertor circuit toward electric vehicle charging applications	Fawaz Yassin Abdullah Al Badrani	Conference		2023		
86	Smart Eco-Friendly and Low-Cost Farming Control System	Fawaz Yassin Abdullah Al Badrani	Conference		2023		
87	A Cybersecurity Model for the Enhancement of WiMAX-based Wireless	Dr. Firas Sami Haseeb Al-Sharbaty	INTERNATIONAL JOURNAL OF SMART GRID	https://www.ijsmartgrid.org/index.php/ijsmartgridnew/article/view/270	2023		

	Communications Infrastructure to Serve Smart Grid Applications						
88	Simulation and Design of a Dual Mode Square-Shaped Resonant Band-Pass Filter Using Suspended Substrate Stripline with Transmission Zero Control for 5G Applications	Dr. Saad Wasmi Osman Lahib	INTERNATIONAL JOURNAL OF MICROWAVE AND OPTICAL TECHNOLOGY		2023		
89	Design of a 28 GHz rectangular waveguide cavity bandpass filter for use in 5G base station technology	Dr. Saad Wasmi Osman Lahib	Conference	https://pubs.aip.org/aip/acp/article-abstract/2631/1/040009/2890938/Design-of-a-28-GHz-rectangular-waveguide-cavity?redirectedFrom=fulltext	2023		
90	Using Solar Photovoltaic Systems, Battery Energy Storage Systems, and Underfrequency Load-Shedding to Improve the Frequency Stability of Power Systems	Dr. Ahmed Nasser Bahjat Al Sammak	Al-Rafidain Engineering Journal (AREJ)		2023	yes	
91	DQ model of PMSG with the most	Ammar Shamil	Conference		2023		

	proficient dynamic analysis in standalone grid	Ghanem Hanoun					
92	Influence of reactive power compensation from PV systems one electrical grid	Raghad Adeeb Othman Mahmood	International Journal of Power Electronics and Drive Systems	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/22404	2023		yes
93	The Effect of Reactive Power Capability of the Inverter on a Hybrid Power System	Raghad Adeeb Othman Mahmood	Al-Rafidain Engineering Journal (AREJ)		2023	yes	
94	Effect of Electric Vehicle Charging Stations on the Performance of Distance Relay	Dr. Omar Sharaf Al-Din Yahya Gerges Al-Yuzbaki	Al-Rafidain Engineering Journal (AREJ)		2023	yes	
95	The Optimal Design to Improve Internet Service in Mosul	Dr. Saad Ahmed Ayoub Al-Salami	Conference		2023		

96	Software defined networks comparison for detected and mitigated DDOS attack using SVM algorithm	Dr. Muhammad Yunus Dhanun Al-Lahibi	Conference		2023		
97	Utilizing Hybrid Renewable Energy Systems for Enhancing Transient	Dr. Hiba Nadhim Ameen Al-Kaoaz	Journal Européen des Systèmes Automatisés	https://iieta.org/journals/jesa/paper/10.18280/jesa.560418	2023		yes
98	A Comparative Study of Total Harmonic Distortion between Two Topologies 27- and 31 Multi Level Inverter	Dr. Mohammed Ali Abdullah Muhammad Ezzo Al-Rawi	Al-Rafidain Engineering Journal (AREJ)		2023	yes	
99	The Impact of the Power Transformer Connections on the Flow of Zero Sequence Current	Dr. Mohammed Ali Abdullah Muhammad Ezzo Al-Rawi	Al-Rafidain Engineering Journal (AREJ)		2023	yes	

100	FEM Analytical Model for Efficiency Improvement of Submersible Pump	Dr. Mohammed Ali Abdullah Muhammad Ezzo Al-Rawi	Conference		2023		
101	Evaluation of DAB converter modulation approaches for extremely fast charging of electric vehicles	Dr. Yasser Muhammad Yunus Amin Al-Abadi	Conference		2023		
102	Performance evaluation of the wireless energy transmission system of the combined DD-Circular charging pad for electric vehicles	Dr. Yasser Muhammad Yunus Amin Al-Abadi	Conference		2023		
103	Design considerations to improve the coupling-coefficient for the DD charging pad in wireless power transfer applications	Dr. Yasser Muhammad Yunus Amin Al-Abadi	Conference		2023		

104	An Intelligent Hybrid Control System using ANFIS-Optimization for Scalar Control of an Induction Motor	Dr. Hassan Adnan Mohammed Al Khalifa	Journal Européen des Systèmes Automatisés	https://iieta.org/journals/jesa/paper/10.18280/jesa.560516	2023		yes
105	Switched Reluctance Motor Drive Challenges - A review	Dr. Ahmed Nasser Bahjat Al Sammak			2023		
106	Raman/EDFA Hybrid System to Enhance the Optical Signal in the Optical Network	Dr. Muhammad Tariq Yassin Hussein Al-Sarraj	Journal of Communications	https://www.jocm.us/show-295-1937-1.html	2023		
107	An Overview of Various Strategies for Dealing With The Under-Frequency Load Shedding Problem in Power Systems	Dr. Abdul-Ghani Abdul-Razzaq Abdul-Ghafour Al-Tai	Al-Rafidain Engineering Journal (AREJ)		2023	yes	

108	A novel method of overvoltage suppression due to de-energization of shunt reactor in high voltage system	Dr. Omar Sharaf Al-Din Yahya Gerges Al-Yuzbaki	International Journal of Power Electronics and Drive Systems	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/22686	2023		yes
109	Impact of grading capacitor on transient recovery voltage due to shunt reactor de-energization for different values of current chopping	Dr. Omar Sharaf Al-Din Yahya Gerges Al-Yuzbaki	International Journal of Power Electronics and Drive Systems	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/23033	2023		yes
110	Intonation speech for text-dependent speaker verification	Dr. Abdul Aleem Abdul-Fattah Rashid Al-Radwani	Conference		2023		
111	An elliptical dipole nanoantenna with an elliptical slot for enhanced plasmonic performance	Dr. Abdul Aleem Abdul-Fattah Rashid Al-Radwani			2023		

112	Efficient near-field localization aided with reconfigurable intelligent surface using geometric dilution of precision	Dr. AbdulRahman Khaled Saleh Abdul Qadir Al-Hafiz	Journal of Information and Telecommunication	https://www.tandfonline.com/doi/full/10.1080/24751839.2023.2272488	2023		
113	Performance Investigation of RIS Aided Localization with TDoA in the Near-Field	Dr. AbdulRahman Khaled Saleh Abdul Qadir Al-Hafiz	Mathematical Modelling of Engineering Problems	https://iieta.org/journals/mme/paper/10.18280/mme.100624	2023		yes
114	Load Demand Forecasting in Smart Microgrid Using NWP via Feature Engineering	Dr. Farhad Ezzedine Mahmoud Ahmed	Conference		2023		
115	Load Demand Forecasting Using eXtreme Gradient Boosting (XGboost)	Dr. Farhad Ezzedine	Conference		2023		

		Mahmou d Ahmed					
116	Design and Simulation of a High Gain Microstrip Patch Antenna for 5G Communication Systems	Dr. Saad Ahmed Ayoub Al-Salami	Conference		2023		
117	The Optimal Design to Improve Internet Service in Mosul	Dr. Saad Ahmed Ayoub Al-Salami	Conference		2023		
118	Design and simulation of high efficiency rectangular microstrip patch antenna using artificial intelligence for 6G era	Dr. Saad Ahmed Ayoub Al-Salami	TELKOMNIK A Telecommunication Computing Electronics and Control	http://telkomnika.uad.ac.id/index.php/TELKOMNIKA/article/view/25389	2023		yes
119	Controlling the effectiveness of STATCOM using ANFIS based on PI controller	Maha Abdul Rahman Abdul Majeed Al Falih	Bulletin of Electrical Engineering and Informatics	https://www.beei.org/index.php/EEI/article/view/5089	2023		

120	Performance enhancement of distance relay in presence of unified power flow controller	Dr. Hiba Nadhim Ameen Al-Kaoaz	International Journal of Power Electronics and Drive Systems	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/22492	2023		yes
121	Influence of natural clouds on the performance of solar cell systems in Iraq	Dr. Hiba Nadhim Ameen Al-Kaoaz	Bulletin of Electrical Engineering and Informatics	https://www.beei.org/index.php/EEI/article/view/4703	2023		
122	DESIGN OF A FUZZY DISTANCE RELAY TAKING INTO CONSIDERATION THE IMPACT OF USING A UNIFIED POWER FLOW CONTROLLER	Dr. Ahmed Nasser Bahjat Al Sammak	Eastern-European Journal of Enterprise Technologies	https://journals.uran.ua/eejet/article/view/277343	2023		yes
123	Improved Snake Optimizer Algorithm-Based GMPPT With a Fast Response to the Load Variations Under Different Weather Conditions for PV Systems	Karam Khairullah Mohammed Al-Araji	Accepted		2023		

124	Methods and techniques for speaker recognition: A Review	Dr. Abdul Aleem Abdul-Fattah Rashid Al-Radwani	Accepted		2023		
125	A Review on Metamaterial Used in Antennas Design :Advantages and Challenges	Dr. Huda Aqeel Ahmed Al-Tayyar	Accepted		2023		
126	Influence of Transient Overvoltage in a High-Voltage System During Shunt Reactor De-Energization	Dr. Omar Sharaf Al-Din Yahya Gerges Al-Yuzbaki	Journal Européen des Systèmes Automatisés	https://iieta.org/journals/jesa/paper/10.18280/jesa.570117	2024		yes
127	Enhanced Far-Field Localization Scheme Using Multi-RIS and Efficient Beam Sweeping	Dr. AbdulRahman Khaled Saleh Abdul Qadir Al-Hafiz	Progress In Electromagnetics Research		2024		yes

128	Design and Implementation of Air Pollution Monitoring System in Mosul City	Amina Abdel Moneim Fadel	Instrumentation Mesure Métrologie	https://iieta.org/journals/i2m/paper/10.18280/i2m.230107	2024		yes
129	Smart Electrical Substation Cybersecurity Model Based on WPA3 and Cooperative Hybrid Intrusion Detection System (CHIDS)	Dr. Firas Sami Haseeb Al-Sharbati			2024		yes
130	Assessment of Power System Transient Stability Utilizing Rotor Trajectory Index in ETAP	Dr. Hiba Nadhim Ameen Al-Kaoaz	Accepted		2024		
131	The Impact of Hybrid Power Generations on a Power System's Voltage Stability	Dr. Hiba Nadhim Ameen Al-Kaoaz	Journal Européen des Systèmes Automatisés	https://iieta.org/journals/jesa/paper/10.18280/jesa.570223	2024		yes