



Mohammed Kdair abd

محمد خضير عبد شبيح اللامي

Professor

ACADEMIC TITLES

2025-01-23 Professor

ADMINISTRATIVE POSITIONS

2020-04-20 - 2024-07-14 Head of Electrical Engineering Department

PUBLICATIONS (3 1)

- Reduction of Load Shedding to Enhance Voltage and Frequency Distribution Network Using PSO-ANN**
Iraqi Journal for Electrical and Electronic Engineering 22 (1), 56-67, 2026 | 2026 | Cited: 1
- Power Management and Voltage Regulation in DC Microgrid with Solar Panels and Battery Storage System**
Journal of Robotics and Control (JRC) 5 (2), 397-407, 2024 | 2024 | Cited: 36
- Voltage Regulation and Power Management of DC Microgrid with Photovoltaic/Battery Storage System Using Flatness Control Method**
Journal of Robotics and Control (JRC) 5 (6), 1664-1672, 2024 | 2024 | Cited: 11
- A Comparative Investigation of Hybrid MPPT Methods for Enhancing Solar Power Generation in Renewable Energy Systems**
International Journal of Electrical and Electronics Research 12 (3), 991-1000, 2024 | 2024 | Cited: 10
- Public debt and its impact on the unemployment rate in the Iraqi economy for the period (2004-2022)**
Cross Current International Journal of Economics, Management and Media ..., 2024 | 2024 | Cited: 2
- Voltage and Reactive Power Control Approach to Address Over-Voltage Issues in High PV Penetration Networks**
International Journal of Electrical and Electronics Research (IJEER) 12 (4) ..., 2024 | 2024 | Cited: 1
- Load Shedding and Reactive Power Compensation of Distribution System Using TLPO Algorithm under Different Load Models.**
International Journal of Intelligent Engineering & Systems 17 (2), 2024 | 2024 | Cited: 1
- Power Grid Frequency Control Improvement Using Pumped Storage Based Se-PSO/LADRC**
International Journal of Intelligent Engineering & Systems 16 (4), 94-104, 2023 | 2023 | Cited: 2
- Reliability Assessment Based on Optimal DGs Planning in the Distribution Systems**
Engineering and Technology Journal 41 (2), 1-14, 2022 | 2022 | Cited: 2
- An Unbalance Three Phase Currents Detection Technique for Load Side Broken Conductor Fault in the Iraqi Distribution System**
Engineering and Technology Journal 41 (02), 418-434, 2022 | 2022 | Cited: 4
- A New Detection Method for Load Side Broken Conductor Fault Based on Negative to Positive Current Sequence**
Electronics 11 (6), 836, 2022 | 2022 | Cited: 11
- Wind Energy Output Prediction Model Based on DPSO-BP Neural Network**
International Journal of Intelligent Engineering and Systems 14 (3), 242 - 254, 2021 | 2021 | Cited: 4
- Reliability Evaluation of Electric Distribution Network with Distributed Generation Integrated**
International Journal of Intelligent Engineering and Systems, 2021 | 2021 | Cited: 27

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RESEARCH METRICS

h-index (Scopus)	7
h-index (GS)	10
Citations (Scopus)	212
Citations (GS)	309
Documents (Scopus)	25
Documents (GS)	31



14. **Management of Micro-grid with (SM) to Decrease Electricity Bills by Using (CAEST)**
2020 International Conference on Electrical, Communication, and Computer ..., 2020 | 2020 | Cited: 3
15. **A New Enhancement on PSO Algorithm for Combined Economic-Emission Load Dispatch Issues**
2020 | Cited: 22
16. **Economic viability and profitability assessments of WECS**
International Journal of Electrical and Computer Engineering (IJECE) 10 (2 ..., 2020 | 2020 | Cited: 8
17. **Optimum Simultaneous Distributed Generation Units Insertion and Distribution Network Reconfiguration Using Salp Swarm Algorithm**
Engineering and Technology Journal | 2020 | Cited: 10
18. **Structure preserving model analysis for power system transient stability**
2020 International Conference on Electrical, Communication, and Computer ..., 2020 | 2020 | Cited: 4
19. **Emergency Load Shedding for Voltage Stability Enhancement: With Particular Reference to the Iraqi National Power Grid**
International Journal of Intelligent Engineering and Systems, 2020 | 2020 | Cited: 7
20. **Techno-economic Viability and Energy Conversion Analysis of RHES with Less Weight/Area**
TELKOMNIKA (Telecommunication Computing Electronics and Control) 16 (5 ..., 2018 | 2018 | Cited: 4
21. **A new method for distribution network reconfiguration analysis under different load demands**
Energies 10 (4), 455, 2017 | 2017 | Cited: 50
22. **Optimal placement and optimal mix of RDGs for improving voltage stability and maximum loadability using PSAT**
2016 IEEE 11th Conference on Industrial Electronics and Applications (ICIEA ..., 2016 | 2016 | Cited: 5
23. **Design LQG/LTR controller for higher order systems based on the reduction model**
2016 IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC ..., 2016 | 2016 | Cited: 6
24. **Optimal DG placement and sizing for power loss reduction in a radial distribution system using MPGSA and sensitivity index method**
2016 IEEE 11th Conference on Industrial Electronics and Applications (ICIEA ..., 2016 | 2016 | Cited: 9
25. **A new MBF-PSO for improving performance of DFIG connected to grid under disturbance**
2016 IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC ..., 2016 | 2016 | Cited: 4
26. **Optimal placement and capacity of capacitor bank in radial distribution system**
2016 International Conference on Energy Efficient Technologies for ..., 2016 | 2016 | Cited: 33
27. **OPTIMAL ECONOMIC DISPATCH BIASED ON PARTICLE SWARM OPTIMIZATION: 400kv IRAQI SUPER GRID**
Diyala Journal of Engineering Sciences 5 (1999-8716), 52-64, 2012 | 2012 | Cited: 4
28. **Nonlinear Response of Uniformly Loaded Paddle Cantilever Based upon Intelligent Techniques**
AJES 4 (2), 60, 2011 | 2011 | Cited: 5
29. **Fast prediction of voltage stability index based on radial basis function neural network: Iraqi super grid network, 400-kV**
Modern applied science 5 (4), 190, 2011 | 2011 | Cited: 8
30. **Electricity load forecasting based on framelet neural network technique**
American Journal of Applied Sciences 6 (5), 970, 2009 | 2009 | Cited: 10
31. **Support vector machine based approach for state estimation of Iraqi super grid network**
2008 Workshop on Power Electronics and Intelligent Transportation System ..., 2008 | 2008 | Cited: 5