

ISI Web of Science Index Journals with Impact Factor

1. S. Khan*, A. Khan, M. Jamil, U. Khan, H. Ahmed, and S. Ahmed, “**Novel Three-Phase Buck-Boost Inverter with Reduced Input Current Ripple and No Short-Circuit and Open-Circuit Faults,**” IEEE Transactions on Power Electronics, (Accepted), Oct 2023. (In Press). (IF=6.7)
2. R. Farhangi, M.T.H. Beheshti, M. Jamil and A. Khan, “**An Analytical Approach for The Stability Analysis of Power Networks Through Kuramoto Oscillators Model,**” Communications in Nonlinear Science and Numerical Simulation, July 2023. (IF=4.02)
3. H. Ali, S. O. Gilani, M. J. Khan, M. Jamil, and M. K. Khattak, “**Stacked Bin Convolutional Neural Networks Based Sparse Low-Rank Regressor: Robust, Scalable and Novel Model for Memorability Prediction of Videos,**” Multimedia Tools and Applications, 1–19, 2023. (IF=2.57)
4. S.Esmaeili, A.A. Khan, M.Jamil, and U.A. Khan, “**Improved High Step-Up Cockcroft-Walton Magnetic Coupling Inverter,**” IEEE Transactions on Circuits and Systems II: Express Briefs" , Vol. 70, Issue 6, June 2023. (IF=3.691)
5. H. Abouobaida; L. Oliveira-Assisb; E. Philipe; H. Mahmoudi; J. M. Guerrero; M. Jamil, "**Energy Management and Control strategy of DC microgrid based Hybrid Storage System,**" Simulation Modelling Practice and Theory, vol. 124, April 2023. (IF=4.199)
6. H. Abouobaida; L. Oliveira-Assisb; E. Philipe; H. Mahmoudi; J. M. Guerrero; M. Jamil, "**Performance Optimization of the INC-COND Fuzzy MPPT Based on A Variable Step for Photovoltaic Systems,**" Optik, Vo. 278, 2023. (IF=2.84)
7. A. K. Vallappil, B.A. Khawja, M.K. A Rahim, M.Uzair, M.Jamil and Q.Awais, "**Minkowski–Sierpinski Fractal Structure-Inspired 2×2 Antenna Array for Use in Next-Generation Wireless Systems**", Fractal and Fractional, Vol. 7, Issue 2, 2023. (IF=3.577)
8. M. Awais, L.Khan, S.G. Khan, Q.Awais and M.Jamil, “**Adaptive Neural Network Q-learning based Full Recurrent Adaptive NeuroFuzzy Nonlinear Control Paradigms for Bidirectional-Interlinking Converter in a Grid-Connected Hybrid AC-DC Microgrid,**” Energies, Vol. 16, Issue 4, Feb 2023.
9. M.J.Baig, M. Tariq Iqbal, M.Jamil, and J.Khan, "**Blockchain-Based Peer-to-Peer Energy Trading System Using Open-Source Angular Framework and Hypertext Transfer Protocol,**" Electronics, Vol. 12, Issue 2, January 2023. (IF=2.690)
10. F. Muntasir, A. Chapagain, K. Maharjan, M.J.A. Baig, M.Jamil and A.A. Khan, "**Developing an Appropriate Energy Trading Algorithm and Techno-Economic Analysis between Peer-to-Peer within a Partly Independent Microgrid**", Energies, Vol. 16, Issue 3, Feb 2023.
11. A.A. Khan, M.Jamil, U.A. Khan, I.Khan, W. Eberle, and S. Ahmed, "**Novel Three and Four Switch Inverters with Wide Input and Output Voltage Range for Renewable Energy Systems**", IEEE Journal of Emerging and Selected Topics in Power Electronics, Vol. 10, Issue 6, December 2022. (IF=5.462)

12. Mirza Jabbar Aziz Baig *, M. Tariq Iqbal *, Mohsin Jamil, Jahangir Khan, **“Blockchain-based Peer-to-Peer Energy Trading System using Open-Source Angular framework and Hypertext Transfer Protocol,”** Electronics, December 2022, Vol. 12, Issue 2, Jan 2023. (IF=3.252)
13. H.A. Muqet, R. Liaqat, A.Reza, M.Jamil and A.A. Khan, **"A State-of-the-Art Review on Energy System and its Management in Smart Grid Environment"**, Energies, Vol. 16(1), January 2023 (IF=3.252)
14. A. Sufyan, M. Jamil, S.Ghafoor, Q.Awais, H.A. Ahmad, A.A. Khan and H. Abouobaida, **"A Robust Nonlinear Controller Sliding Mode Controller for a Three-Phase Grid-Connected Inverter with an LCL Filter"**, Energies, Vol. 15(24), Issue 24, December 2022. (IF=3.252)
15. M. Shadoul, R. Ahshan, S. Rashid AlAbri, A.Al-Badi, M. Albadi, and M. Jamil. 2022. **"A Comprehensive Review on a Virtual-Synchronous Generator: Topologies, Control Orders and Techniques, Energy Storages, and Applications"**, Energies, Vol. 15, Issue 22, November 2022. (IF=3.252)
16. R. Kahani, M.Jamil, and M. Tariq Iqbal, **" An Improved Perturb and Observed Maximum Power Point Tracking Algorithm for Photovoltaic Power Systems,"** Journal of Modern Power Systems and Clean Energy, August 2022. (IF=4.469)
17. R. Kahani, M.Jamil, and M. Tariq Iqbal, **"Direct Model Reference Adaptive Control of a Boost Converter for Voltage Regulation in Microgrids,"** Energies, Vol. 15, Issue 13, July 2022. (IF=3.252)
18. S. Esmaeili, E. Azimi, H. Hafezi, A. Mahmoudi, M. Jamil, and A.A. Khan, **"Magnetically Coupled Single-Phase AC-AC Converter with Reduced Number of Passive Components,"** IEEE Access, Vol. 10, July 2022. (IF=3.476)
19. M.J.Baig, M. Tariq Iqbal, M.Jamil, and J.Khan, **"A Low-Cost, Open-Source Peer-to-Peer Energy Trading System for a Remote Community Using the Internet-of-Things, Blockchain, and Hypertext Transfer Protocol,"** Energies, Vol. 15, Issue 13, July 2022. (IF=3.252)
20. A. Rasool, S.Fahad, X. Yan, J. Jiaoxin, H. Rasool, M.Jamil and P. Sanjeevikumar, **"Reactive Power Matching through Virtual Variable Impedance for Parallel Virtual Synchronous Generator Control Scheme"**, IEEE Systems Journal, July 2022. (IF=4.802)
21. A. Rasool, S.Fahad, X. Yan, J. Jiaoxin, H. Rasool and M.Jamil **"A Virtual Parallel Inductor Approach for Mitigating Reactive Power Sharing Error in a VSG Controlled Microgrid"**, IEEE Systems Journal. (IF=4.802)
22. A. Ali, R.Shakoor, H.A. Muqet, Q.Awais, A.A.Khan, and M.Jamil, **"Latest Energy Storage Trends in Multi Energy Standalone Electric Vehicle Charging Stations: A Comprehensive Study"**, Energies, Vol. 15, Issue 13, June 2022. (IF=3.252)
23. S. Esmaeili, K.Ghobadi, H.Zare, M.Jamil, A.A. Khan, and A. Mahmoudi, **"A Trans-Inverse Magnetic Coupling Single-Phase AC-AC Converter"**, Energies, Vol. 15, Issue 13, June 2022. (IF=3.252)
24. M.Z.Yousaf, A.Raza *, G.Abbas, N.Ullah, A.A. Al-Ahmadi, A. R. Yasin, and M. Jamil, **"Multi-terminal HVDC Grids: A Metaheuristic Solution for Nonlinear Control"**, Energies, Vol. 15, Issue 12, June 2022. (IF=3.252)

25. K.Akbar, Y.Zou, Q.Awais, M.J.A. Baig and M.Jamil, "**A Machine Learning-Based Robust State of Health (SOH) Prediction Model for Electric Vehicle Batteries**", Electronics, Section, Vol. 11, Issue 08, April 2022. (IF=2.690)
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29. H. Javed, H.A. Muqet, M. Shehzad, M. Jamil, A.A. Khan, J.M. Guerrero, "**Optimal Energy Management of a Campus Microgrid Considering Financial and Economic Analysis with Demand Response Strategies**," Energies. Vol. 14, Issue 24, December 2021. (IF=3.252)
30. S.Khalid, A.Raza, U.Alqasemi, N. Sobahi, M.Z. Yousaf, G.Abbas and M.Jamil, "**Technical Assessment of Hybrid HVDC Circuit Breaker Components under M-HVDC Faults**", Energies; Electrical Engineering Section, Vol. 14, Issue 23, December 2021. (IF=3.252)
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32. H. A. Muqet, H.M. Munir, H.Javed, M. Shahzad, M. Jamil*, Josep M. Guerrero, "**An Energy Management System of Campus Microgrids: State-of-the-Art and Future Challenges**", Energies, Vol. 14, Issue 20, October 2021. (IF=3.252)
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Non-ISI Journals

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3. M.J.A. Baig, M.T. Iqbal, M. Jamil and J.Khan, "**IoT and Blockchain Based Peer to Peer Energy Trading Pilot Platform**", 2020 11th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), 4-7 November 2020, Vancouver, Canada
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Regional Conferences

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3. M. Ahmad, W. Ali, H. Farooq, M. Jamil, Ali, and A. Rahman, **"Solving the Problem of Economic Load Dispatch for a Small Scale Power System Using a Novel Hybrid PSO-GSA Algorithm"** 2018 International Symposium on Recent Advances in Electrical Engineering (RAEE), 17-18 October 2018. Islamabad, Pakistan.
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3. Rasool Kahani and Mohsin Jamil, "**Designing A Model Reference Adaptive Controller For A DC–DC Boost Converter,**" presented at the 30th IEEE Annual Newfoundland Electrical and Computer Engineering Conference (NECEC), St. John's, NL, Canada. November 18, 2021.
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