

Mohamed Benbouzid

List of Publications by Year in descending order

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372
papers

14,227
citations

32410

55
h-index

30277

107
g-index

377
all docs

377
docs citations

377
times ranked

9797
citing authors

| # | ARTICLE | IF | CITATIONS |
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| 1 | Reliable state of health condition monitoring of Li-ion batteries based on incremental support vector regression with parameters optimization. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2023, 237, 717-727. | 0.7 | 9 |
| 2 | A Pulse-Width Modulation Control Approach for the High-Voltage Gain Operation of a Z-Source Neutral-Point Clamped Inverters. IETE Journal of Research, 2023, 69, 7374-7393. | 1.8 | 1 |
| 3 | Direct Torque Control Based on Shoot-Through States of an Induction Motor Fed by a Z-Source Three-Level Neutral Point Clamped Inverter. IETE Journal of Research, 2022, 68, 1982-1990. | 1.8 | 4 |
| 4 | Bearing Fault Event-Triggered Diagnosis Using a Variational Mode Decomposition-Based Machine Learning Approach. IEEE Transactions on Energy Conversion, 2022, 37, 466-474. | 3.7 | 37 |
| 5 | An Interleaved ZVS High Step-Up Converter for Renewable Energy Systems Applications. IEEE Transactions on Industrial Electronics, 2022, 69, 4786-4800. | 5.2 | 11 |
| 6 | A Semi-Supervised Deep Transfer Learning Approach for Rolling-Element Bearing Remaining Useful Life Prediction. IEEE Transactions on Energy Conversion, 2022, 37, 1200-1210. | 3.7 | 18 |
| 7 | An Improved Control Strategy for Grid-Tied Inverters Under Faulty Grid Conditions. Lecture Notes in Networks and Systems, 2022, , 342-352. | 0.5 | 0 |
| 8 | Quasi Type-1 PLL With Tunable Phase Detector for Unbalanced and Distorted Three-Phase Grid. IEEE Transactions on Energy Conversion, 2022, 37, 1369-1378. | 3.7 | 14 |
| 9 | Photovoltaic-Battery-Ultracapacitor-Diesel Hybrid Generation System for Mobile Hospital Energy Supply. Electronics (Switzerland), 2022, 11, 390. | 1.8 | 2 |
| 10 | Model predictive current control of asymmetrical hybrid cascaded multilevel inverter. Journal of Power Electronics, 2022, 22, 580-592. | 0.9 | 4 |
| 11 | Development and experimental validation of a fast and accurate field calculation tool for axial flux permanent magnet machines. Journal of Magnetism and Magnetic Materials, 2022, 552, 169105. | 1.0 | 8 |
| 12 | Energy management system for a hybrid PV-Wind-Tidal-Battery-based islanded DC microgrid: Modeling and experimental validation. Renewable and Sustainable Energy Reviews, 2022, 159, 112093. | 8.2 | 28 |
| 13 | Multi-Objective Optimization-Based Health-Conscious Predictive Energy Management Strategy for Fuel Cell Hybrid Electric Vehicles. Energies, 2022, 15, 1318. | 1.6 | 21 |
| 14 | Building Thermal-Network Models: A Comparative Analysis, Recommendations, and Perspectives. Energies, 2022, 15, 1328. | 1.6 | 16 |
| 15 | A fault-tolerant reconfiguration system based on pilot switch for grid-connected inverters. Microelectronics Reliability, 2022, 131, 114511. | 0.9 | 7 |
| 16 | A Systematic Guide for Predicting Remaining Useful Life with Machine Learning. Electronics (Switzerland), 2022, 11, 1125. | 1.8 | 30 |
| 17 | Enhanced Quasi Type-1 PLL-Based Multi-Functional Control of Single-Phase Dynamic Voltage Restorer. Applied Sciences (Switzerland), 2022, 12, 146. | 1.3 | 11 |
| 18 | On the Optimal Selection of Flux Barrier Reconfiguration for a Five-Phase Permanent Magnet Assisted Synchronous Reluctance Machine for Low-Torque Ripple Application. Electronics (Switzerland), 2022, 11, 41. | 1.8 | 3 |

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| 20 | Learning-Based Methods for Cyber Attacks Detection in IoT Systems: A Survey on Methods, Analysis, and Future Prospects. Electronics (Switzerland), 2022, 11, 1502. | 1.8 | 54 |
| 21 | Virtual Power Plants Optimization Issue: A Comprehensive Review on Methods, Solutions, and Prospects. Energies, 2022, 15, 3607. | 1.6 | 16 |
| 22 | Selective Harmonic Elimination in a Cascaded Multilevel Inverter of Distributed Power Generators Using Water Cycle Algorithm. Machines, 2022, 10, 399. | 1.2 | 3 |
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| 24 | Optimal Operation of Distributed Flexible Generation Sources Incorporating VPP Framework in Market Environment Considering Uncertainties. , 2022, , . | | 8 |
| 25 | Optimal Operation of a Residential Energy Hub in the Presence of an Electric Vehicle using Whale Optimization Algorithm. , 2022, , . | | 4 |
| 26 | Ship Dynamic Positioning Control Based on Active Disturbance Rejection Control. Journal of Marine Science and Engineering, 2022, 10, 865. | 1.2 | 6 |
| 27 | Performance analysis of distance metrics on the exploitation properties and convergence behaviour of the conventional firefly algorithm. Applied Soft Computing Journal, 2022, 126, 109255. | 4.1 | 3 |
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| 29 | High-order sliding mode control of a doubly salient permanent magnet machine driving marine current turbine. Journal of Ocean Engineering and Science, 2021, 6, 12-20. | 1.7 | 6 |
| 30 | Direct Power Control of Shunt Active Power Filter Using Space Vector Modulation Based on Supertwisting Sliding Mode Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3243-3253. | 3.7 | 56 |
| 31 | Enhanced Frequency Adaptive Demodulation Technique for Grid-Connected Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 11053-11062. | 5.2 | 18 |
| 32 | Space vector modulation control of a Z-source 9-switch power inverter based on two virtual three-phase inverters for electric vehicles application. International Journal of Electronics, 2021, 108, 908-927. | 0.9 | 1 |
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| 48 | Hybrid fuel cell powered drones energy management strategy improvement and hydrogen saving using real flight test data. Energy Conversion and Management, 2021, 236, 113987. | 4.4 | 29 |
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| 52 | Kernel Function Definition Completion for Time-Domain State-Space Representations of Radiation Forces: Application to the Hankel Singular Value Decomposition. Journal of Marine Science and Engineering, 2021, 9, 768. | 1.2 | 1 |
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| 97 | Higher-Order Spectra Analysis-Based Diagnosis Method of Blades Biofouling in a PMSG Driven Tidal Stream Turbine. <i>Energies</i> , 2020, 13, 2888. | 1.6 | 14 |
| 98 | Simplified Building Thermal Model Development and Parameters Evaluation Using a Stochastic Approach. <i>Energies</i> , 2020, 13, 2899. | 1.6 | 24 |
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| 100 | Adaptive Filtering-Based Pseudo Open-Loop Three-Phase Grid-Synchronization Technique. <i>Energies</i> , 2020, 13, 2927. | 1.6 | 8 |
| 101 | Tidal stream turbine control: An active disturbance rejection control approach. <i>Ocean Engineering</i> , 2020, 202, 107190. | 1.9 | 30 |
| 102 | Motor Current Signature Analysis-Based Permanent Magnet Synchronous Motor Demagnetization Characterization and Detection. <i>Machines</i> , 2020, 8, 35. | 1.2 | 30 |
| 103 | A Learning Variable Neighborhood Search Approach for Induction Machines Bearing Failures Detection and Diagnosis. <i>Energies</i> , 2020, 13, 2953. | 1.6 | 9 |
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| 116 | Robust Gradient Estimator for Unknown Frequency Estimation in Noisy Environment: Application to Grid-Synchronization. <i>IEEE Access</i> , 2020, 8, 70693-70702. | 2.6 | 15 |
| 117 | On the Enhancement of Generalized Integrator-Based Adaptive Filter Dynamic Tuning Range. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 7449-7457. | 2.4 | 26 |
| 118 | ADRC-Based Robust and Resilient Control of a 5-Phase PMSM Driven Electric Vehicle. <i>Machines</i> , 2020, 8, 17. | 1.2 | 28 |
| 119 | Control methodology and implementation of a Z-source inverter for a stand-alone photovoltaic-diesel generator-energy storage system microgrid. <i>Electric Power Systems Research</i> , 2020, 185, 106385. | 2.1 | 24 |
| 120 | Multi-mode fault-tolerant control strategy for cascaded H-bridge multilevel inverters. <i>IET Power Electronics</i> , 2020, 13, 3119-3126. | 1.5 | 11 |
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