

Ahmad Massoud

List of Publications by Year in descending order

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264
papers

5,850
citations

94269

37
h-index

102304

66
g-index

265
all docs

265
docs citations

265
times ranked

4413
citing authors

| # | ARTICLE | IF | CITATIONS |
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| 1 | High-Performance Adaptive Perturb and Observe MPPT Technique for Photovoltaic-Based Microgrids. IEEE Transactions on Power Electronics, 2011, 26, 1010-1021. | 5.4 | 743 |
| 2 | Quasi Two-Level Operation of Modular Multilevel Converter for Use in a High-Power DC Transformer With DC Fault Isolation Capability. IEEE Transactions on Power Electronics, 2015, 30, 108-123. | 5.4 | 287 |
| 3 | Capacitor Balance Issues of the Diode-Clamped Multilevel Inverter Operated in a Quasi Two-State Mode. IEEE Transactions on Industrial Electronics, 2008, 55, 3088-3099. | 5.2 | 136 |
| 4 | Multiple-Module High-Gain High-Voltage DC-DC Transformers for Offshore Wind Energy Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 1877-1886. | 5.2 | 135 |
| 5 | A Nine-Switch-Converter-Based Integrated Motor Drive and Battery Charger System for EVs Using Symmetrical Six-Phase Machines. IEEE Transactions on Industrial Electronics, 2016, 63, 5326-5335. | 5.2 | 115 |
| 6 | A Modified Stationary Reference Frame-Based Predictive Current Control With Zero Steady-State Error for LCL Coupled Inverter-Based Distributed Generation Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 1359-1370. | 5.2 | 107 |
| 7 | Low Space Harmonics Cancellation in Double-Layer Fractional Slot Winding Using Dual Multiphase Winding. IEEE Transactions on Magnetics, 2015, 51, 1-10. | 1.2 | 102 |
| 8 | An SVM Algorithm to Balance the Capacitor Voltages of the Three-Level NPC Active Power Filter. IEEE Transactions on Power Electronics, 2008, 23, 2694-2702. | 5.4 | 97 |
| 9 | Optimum Power Transmission-Based Droop Control Design for Multi-Terminal HVDC of Offshore Wind Farms. IEEE Transactions on Power Systems, 2013, 28, 3401-3409. | 4.6 | 97 |
| 10 | Effect of Stator Winding Connection on Performance of Five-Phase Induction Machines. IEEE Transactions on Industrial Electronics, 2014, 61, 3-19. | 5.2 | 93 |
| 11 | A New Protection Scheme for HVDC Converters Against DC-Side Faults With Current Suppression Capability. IEEE Transactions on Power Delivery, 2014, 29, 1569-1577. | 2.9 | 93 |
| 12 | A differential protection technique for multi-terminal HVDC. Electric Power Systems Research, 2016, 130, 78-88. | 2.1 | 89 |
| 13 | A Single-Stage Three-Phase Inverter Based on Cuk Converters for PV Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 797-807. | 3.7 | 84 |
| 14 | Three-Phase, Three-Wire, Five-Level Cascaded Shunt Active Filter for Power Conditioning, Using Two Different Space Vector Modulation Techniques. IEEE Transactions on Power Delivery, 2007, 22, 2349-2361. | 2.9 | 80 |
| 15 | A Flywheel Energy Storage System for Fault Ride Through Support of Grid-Connected VSC HVDC-Based Offshore Wind Farms. IEEE Transactions on Power Systems, 2016, 31, 1671-1680. | 4.6 | 78 |
| 16 | Hybrid and Modular Multilevel Converter Designs for Isolated HVDC-DC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 188-202. | 3.7 | 73 |
| 17 | Effect of Multilayer Windings With Different Stator Winding Connections on Interior PM Machines for EV Applications. IEEE Transactions on Magnetics, 2016, 52, 1-7. | 1.2 | 72 |
| 18 | Single-Sensor-Based Three-Phase Permanent-Magnet Synchronous Motor Drive System With Luenberger Observers for Motor Line Current Reconstruction. IEEE Transactions on Industry Applications, 2014, 50, 2602-2613. | 3.3 | 71 |

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| 19 | Sensorless Current Control of Three-Phase Inverter-Based Distributed Generation. IEEE Transactions on Power Delivery, 2009, 24, 919-929. | 2.9 | 70 |
| 20 | A Modular High-Voltage Pulse-Generator With Sequential Charging for Water Treatment Applications. IEEE Transactions on Industrial Electronics, 2016, 63, 7898-7907. | 5.2 | 64 |
| 21 | An Improved Fault-Tolerant Five-Phase Induction Machine Using a Combined Star/Pentagon Single Layer Stator Winding Connection. IEEE Transactions on Industrial Electronics, 2016, 63, 618-628. | 5.2 | 64 |
| 22 | A Switched-Capacitor Submodule for Modular Multilevel HVDC Converters With DC-Fault Blocking Capability and a Reduced Number of Sensors. IEEE Transactions on Power Delivery, 2016, 31, 313-322. | 2.9 | 59 |
| 23 | Effect of Current Harmonic Injection on Constant Rotor Volume Multiphase Induction Machine Stators: A Comparative Study. IEEE Transactions on Industry Applications, 2012, 48, 2002-2013. | 3.3 | 57 |
| 24 | Single-stage Three-phase Differential-mode Buck-Boost Inverters with Continuous Input Current for PV Applications. IEEE Transactions on Power Electronics, 2016, , 1-1. | 5.4 | 53 |
| 25 | A Dual Modular Multilevel Converter With High-Frequency Magnetic Links Between Submodules for MV Open-End Stator Winding Machine Drives. IEEE Transactions on Power Electronics, 2018, 33, 5142-5159. | 5.4 | 53 |
| 26 | Review on State-of-the-Art Unidirectional Non-Isolated Power Factor Correction Converters for Short-/Long-Distance Electric Vehicles. IEEE Access, 2022, 10, 11308-11340. | 2.6 | 50 |
| 27 | A Modular Multilevel Voltage-Boosting Marx Pulse-Waveform Generator for Electroporation Applications. IEEE Transactions on Power Electronics, 2019, 34, 10575-10589. | 5.4 | 49 |
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| 29 | A Pulsewidth Modulation Technique for High-Voltage Gain Operation of Three-Phase Z-Source Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 521-533. | 3.7 | 48 |
| 30 | A Four-Switch Three-Phase SEPIC-Based Inverter. IEEE Transactions on Power Electronics, 2015, 30, 4891-4905. | 5.4 | 47 |
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| 32 | Fault Current Contribution of Medium Voltage Inverter and Doubly-Fed Induction-Machine-Based Flywheel Energy Storage System. IEEE Transactions on Sustainable Energy, 2013, 4, 58-67. | 5.9 | 44 |
| 33 | A Switched PV Approach for Extracted Maximum Power Enhancement of PV Arrays During Partial Shading. IEEE Transactions on Sustainable Energy, 2015, 6, 767-772. | 5.9 | 44 |
| 34 | A Six-Phase 24-Slot/10-Pole Permanent-Magnet Machine With Low Space Harmonics for Electric Vehicle Applications. IEEE Transactions on Magnetics, 2016, 52, 1-10. | 1.2 | 44 |
| 35 | Postfault Operation of a Nine-Phase Six-Terminal Induction Machine Under Single Open-Line Fault. IEEE Transactions on Industrial Electronics, 2018, 65, 1084-1096. | 5.2 | 44 |
| 36 | A non-communication based protection algorithm for multi-terminal HVDC grids. Electric Power Systems Research, 2017, 144, 41-51. | 2.1 | 43 |

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| 37 | A Modular Multilevel Converter With Ripple-Power Decoupling Channels for Three-Phase MV Adjustable-Speed Drives. IEEE Transactions on Power Electronics, 2019, 34, 4048-4063. | 5.4 | 43 |
| 38 | Effect of Stator Winding Connection of Five-Phase Induction Machines on Torque Ripples Under Open Line Condition. IEEE/ASME Transactions on Mechatronics, 2015, 20, 580-593. | 3.7 | 38 |
| 39 | Modular Multilevel Converter-Based Bipolar High-Voltage Pulse Generator With Sensorless Capacitor Voltage Balancing Technique. IEEE Transactions on Plasma Science, 2016, 44, 1187-1194. | 0.6 | 37 |
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| 41 | A Space Vector PWM Scheme for Five-Phase Current-Source Converters. IEEE Transactions on Industrial Electronics, 2016, 63, 562-573. | 5.2 | 36 |
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| 43 | Calculation of derating factors based on steady-state unbalanced multiphase induction machine model under open phase(s) and optimal winding currents. Electric Power Systems Research, 2014, 106, 214-225. | 2.1 | 33 |
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| 47 | Electric Vehicles Charging Management Using Machine Learning Considering Fast Charging and Vehicle-to-Grid Operation. Energies, 2021, 14, 6199. | 1.6 | 31 |
| 48 | A Voltage-Behind-Reactance Model of Five-Phase Induction Machines Considering the Effect of Magnetic Saturation. IEEE Transactions on Energy Conversion, 2013, 28, 576-592. | 3.7 | 30 |
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| 57 | A Full-Bridge Submodule-Based Modular Unipolar/Bipolar High-Voltage Pulse Generator With Sequential Charging of Capacitors. IEEE Transactions on Plasma Science, 2017, 45, 91-99. | 0.6 | 27 |
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| 62 | Effects of Mirazid® and myrrh volatile oil on adult Fasciola gigantica under laboratory conditions. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, 875-884. | 0.5 | 25 |
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| 110 | Standard Three-Phase Stator Frames for Multiphase Machines of Prime-Phase Order: Optimal Selection of Slot/Pole Combination. IEEE Access, 2019, 7, 78239-78259. | 2.6 | 13 |
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| 112 | Distributed Event-Triggered Consensus-Based Control of DC Microgrids in Presence of DoS Cyber Attacks. IEEE Access, 2021, 9, 54009-54021. | 2.6 | 13 |
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