

Jianning Dong

List of Publications by Year in descending order

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1192
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Core Loss Analysis and Calculation of Stator Permanent-Magnet Machine Considering DC-Biased Magnetic Induction. IEEE Transactions on Industrial Electronics, 2014, 61, 5203-5212. | 5.2 | 108 |
| 2 | Core Loss Modeling for Permanent-Magnet Motor Based on Flux Variation Locus and Finite-Element Method. IEEE Transactions on Magnetics, 2012, 48, 1023-1026. | 1.2 | 83 |
| 3 | Overview of wind power generation in China: Status and development. Renewable and Sustainable Energy Reviews, 2015, 50, 847-858. | 8.2 | 82 |
| 4 | Modeling and Analysis of Electric Motors: State-of-the-Art Review. IEEE Transactions on Transportation Electrification, 2019, 5, 602-617. | 5.3 | 77 |
| 5 | Thermal Optimization of a High-Speed Permanent Magnet Motor. IEEE Transactions on Magnetics, 2014, 50, 749-752. | 1.2 | 76 |
| 6 | Comparison of Magnetic Couplers for IPT-Based EV Charging Using Multi-Objective Optimization. IEEE Transactions on Vehicular Technology, 2019, 68, 5416-5429. | 3.9 | 71 |
| 7 | An Improved Deadbeat Predictive Current Control With Online Parameter Identification for Surface-Mounted PMSMs. IEEE Transactions on Industrial Electronics, 2020, 67, 10145-10155. | 5.2 | 68 |
| 8 | Electromagnetic and Thermal Analysis of Open-Circuit Air Cooled High-Speed Permanent Magnet Machines With Gramme Ring Windings. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 1.2 | 64 |
| 9 | 3-D Analytical Modeling of No-Load Magnetic Field of Ironless Axial Flux Permanent Magnet Machine. IEEE Transactions on Magnetics, 2012, 48, 2929-2932. | 1.2 | 57 |
| 10 | Comparative Study of Surface-Mounted and Interior Permanent-Magnet Motors for High-Speed Applications. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4. | 1.1 | 57 |
| 11 | Analysis of a Novel Switched-Flux Memory Motor Employing a Time-Divisional Magnetization Strategy. IEEE Transactions on Magnetics, 2014, 50, 849-852. | 1.2 | 49 |
| 12 | Electromagnetic Performance Analysis of Hybrid-Excited Flux-Switching Machines by a Nonlinear Magnetic Network Model. IEEE Transactions on Magnetics, 2011, 47, 3216-3219. | 1.2 | 44 |
| 13 | Analysis of the Oversaturated Effect in Hybrid Excited Flux-Switching Machines. IEEE Transactions on Magnetics, 2011, 47, 2827-2830. | 1.2 | 44 |
| 14 | Magnetic Equivalent Circuit Modeling of Yokeless Axial Flux Permanent Magnet Machine With Segmented Armature. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 1.2 | 41 |
| 15 | Hybrid Acoustic Noise Analysis Approach of Conventional and Mutually Coupled Switched Reluctance Motors. IEEE Transactions on Energy Conversion, 2017, 32, 1042-1051. | 3.7 | 35 |
| 16 | General Analytical Modeling for Magnet Demagnetization in Surface Mounted Permanent Magnet Machines. IEEE Transactions on Industrial Electronics, 2019, 66, 5830-5838. | 5.2 | 34 |
| 17 | Position Sensorless Drive and Online Parameter Estimation for Surface-Mounted PMSMs Based on Adaptive Full-State Feedback Control. IEEE Transactions on Power Electronics, 2020, 35, 7341-7355. | 5.4 | 33 |
| 18 | A New Hybrid Method for Magnetic Field Calculation in IPMSM Accounting for Any Rotor Configuration. IEEE Transactions on Industrial Electronics, 2019, 66, 5015-5024. | 5.2 | 30 |

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| 19 | Study on dynamic characteristic of wind turbine emulator based on PMSM. Renewable Energy, 2016, 97, 731-736. | 4.3 | 29 |
| 20 | Advanced Dynamic Modeling of Three-Phase Mutually Coupled Switched Reluctance Machine. IEEE Transactions on Energy Conversion, 2018, 33, 146-154. | 3.7 | 24 |
| 21 | Analysis Method to A Halbach PM Ironless Linear Motor With Trapezoid Windings. IEEE Transactions on Magnetics, 2011, 47, 4167-4170. | 1.2 | 23 |
| 22 | Analytical Modeling of Misalignment in Axial Flux Permanent Magnet Machine. IEEE Transactions on Industrial Electronics, 2020, 67, 4433-4443. | 5.2 | 23 |
| 23 | Eddy-Current Loss Prediction in the Rotor Magnets of a Permanent Magnet Synchronous Generator With Modular Winding Feeding a Rectifier Load. IEEE Transactions on Magnetics, 2011, 47, 4203-4206. | 1.2 | 20 |
| 24 | Rotor Eddy Current Loss Reduction With Permeable Retaining Sleeve for Permanent Magnet Synchronous Machine. IEEE Transactions on Energy Conversion, 2020, 35, 1088-1097. | 3.7 | 20 |
| 25 | Design of a Highly Efficient 20-kW Inductive Power Transfer System With Improved Misalignment Performance. IEEE Transactions on Transportation Electrification, 2022, 8, 2384-2399. | 5.3 | 20 |
| 26 | Survey on Standards and Regulations for Wireless Charging of Electric Vehicles. , 2019, , . | | 15 |
| 27 | Integrated Solution for Electric Vehicle and Foreign Object Detection in the Application of Dynamic Inductive Power Transfer. IEEE Transactions on Vehicular Technology, 2021, 70, 11365-11377. | 3.9 | 13 |
| 28 | Nonlinear Semianalytical Model for Axial Flux Permanent-Magnet Machine. IEEE Transactions on Industrial Electronics, 2022, 69, 9804-9816. | 5.2 | 13 |
| 29 | Fast calculation of carrier harmonic iron losses caused by pulse width modulation in interior permanent magnet synchronous motors. IET Electric Power Applications, 2020, 14, 1163-1176. | 1.1 | 12 |
| 30 | Prediction of acoustic noise and vibration of a 24/16 traction switched reluctance machine. IET Electrical Systems in Transportation, 2020, 10, 35-43. | 1.5 | 10 |
| 31 | Compensation Method of Position Estimation Error for High-Speed Surface-Mounted PMSM Drives Based on Robust Inductance Estimation. IEEE Transactions on Power Electronics, 2021, , 1-1. | 5.4 | 10 |
| 32 | Dynamic-Decoupled Active Damping Control Method for Improving Current Transient Behavior of <i>LCL</i> -Equipped High-Speed PMSMs. IEEE Transactions on Power Electronics, 2022, 37, 3259-3271. | 5.4 | 10 |
| 33 | Acoustic Noise Analysis of Interior Permanent Magnet Synchronous Machine for Electric Vehicle Application. , 2020, , . | | 9 |
| 34 | Stator winding design of induction motors for high efficiency. , 2014, , . | | 8 |
| 35 | Availability of Wind Turbine Converters With Extreme Modularity. IEEE Transactions on Sustainable Energy, 2018, 9, 1772-1782. | 5.9 | 8 |
| 36 | A Study on Passive Cooling in Subsea Power Electronics. IEEE Access, 2018, 6, 67543-67554. | 2.6 | 7 |

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| 37 | Comparative Study of Foreign Object and Misalignment in Inductive Power Transfer Systems. , 2019, , . | | 7 |
| 38 | Lifetime Analysis of IGBT Power Modules in Passively Cooled Tidal Turbine Converters. Energies, 2020, 13, 1875. | 1.6 | 7 |
| 39 | A Novel Hybrid Analytical Model of Active Magnetic Bearing Considering Rotor Eccentricity and Local Saturation Effect. IEEE Transactions on Industrial Electronics, 2022, 69, 7151-7160. | 5.2 | 7 |
| 40 | Compensation Network for a 7.7 kW Wireless Charging System that Uses Standardized Coils. , 2020, , . | | 6 |
| 41 | Detection of Metallic Foreign Objects and Electric Vehicles Using Auxiliary Coil Sets for Dynamic Inductive Power Transfer Systems. , 2020, , . | | 6 |
| 42 | Analytical Calculation of Temporal and Circumferential Orders of Radial Force Density Harmonics in External-Rotor and Internal-Rotor Switched Reluctance Machines. IEEE Open Journal of Industry Applications, 2021, 2, 70-81. | 4.8 | 6 |
| 43 | Analysis of Dynamic Charging Performances of Optimized Inductive Power Transfer Couplers. , 2021, , . | | 6 |
| 44 | An axial flux flywheel motor/generator for pulsed power application. , 2012, , . | | 5 |
| 45 | Design and modeling of axial flux permanent magnet machine with yokeless and segment armature using magnetic equivalent circuit. , 2014, , . | | 4 |
| 46 | Torque Production Limit of Surface Permanent Magnet Synchronous Machines and Their Electromagnetic Scalability. IEEE Transactions on Industry Applications, 2021, 57, 4353-4362. | 3.3 | 4 |
| 47 | Discrete-Time Dynamic-Decoupled Current Control for <i>LCL</i> -Equipped High-Speed Permanent Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2022, 69, 12414-12425. | 5.2 | 4 |
| 48 | Development of an air-cooled 150 kW high speed permanent magnet motor with Gramme ring windings for turbo blowers. , 2014, , . | | 3 |
| 49 | Analysis of Magnetic Field Emissions in Inductive Power Transfer EV Chargers Following Reference Designs in SAE J2954/2019. , 2020, , . | | 3 |
| 50 | Research on Power Frequency Electromagnetic Environment of UHVAC Wires and Related Electrostatic Induction Effect. IEEE Transactions on Magnetics, 2011, 47, 3516-3519. | 1.2 | 2 |
| 51 | Linear Representation of Saturation Characteristics Associated With Eddy Currents in Ferromagnetic Materials. IEEE Transactions on Magnetics, 2014, 50, 121-124. | 1.2 | 2 |
| 52 | Investigation Into Multi-Phase Armature Windings for High-Temperature Superconducting Wind Turbine Generators. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5. | 1.1 | 2 |
| 53 | Extending Winding Function Theory to Incorporate Secondary Effects in the Design of Induction Machines and Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1915-1924. | 3.7 | 2 |
| 54 | Continuous Reduced-Order Dynamic Model Based on Energy Balancing for Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2022, 37, 9959-9971. | 5.4 | 2 |

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| 55 | Performance of Multi-Layer and Stator-Shifting Fractional-Slot Concentrated Windings for Superconducting Wind Turbine Generators Under Normal and Short-Circuit Operation Conditions. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5. | 1.1 | 1 |
| 56 | Thermal Cycling in Converter IGBT Modules with Different Cooling Systems in Pitch- and Active Stall-Controlled Tidal Turbines. Energies, 2021, 14, 6457. | 1.6 | 1 |
| 57 | Comparison of Optimized Chargepads for Wireless EV Charging Application. , 2019, , . | | 1 |
| 58 | Hybrid Approach for the Modeling of Magnetic Force Excitations in Multipole Wind Turbine Generators Considering Air Gap Imperfections. , 2021, , . | | 1 |
| 59 | Quality Factor Based Design Guideline for Optimized Inductive Power Transfer. , 2020, , . | | 1 |
| 60 | A General Single-Sensor Damping Framework for LCL-Equipped High-Speed PMSM Drives. IEEE Transactions on Industrial Electronics, 2023, 70, 5375-5380. | 5.2 | 1 |
| 61 | Comparison of modular wind turbine generators considering structural aspects. , 2017, , . | | 0 |
| 62 | Determining Relation Between Size of Polarized Inductive Couplers and Nominal Airgap. , 2018, , . | | 0 |
| 63 | Online Parameter Estimation of PMSM in EV Powertrain Including Thermal Measurements. , 2019, , . | | 0 |
| 64 | Efficiency Map based Modelling of Electric Drive for Heavy Duty Electric Vehicles and Sensitivity Analysis. , 2021, , . | | 0 |
| 65 | Simplified Quadratic Optimization-Based IPMSM Full-Speed Range Rotor Position Estimation in Synchronous Rotating Frame. IEEE Transactions on Transportation Electrification, 2021, 7, 1527-1536. | 5.3 | 0 |