

Youguang Guo

List of Publications by Year in descending order

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4982
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Improved Iron Loss Prediction Models for Interior PMSMs Considering Coupling Effects of Multiphysics Factors. IEEE Transactions on Transportation Electrification, 2023, 9, 416-427. | 5.3 | 11 |
| 2 | An Improved Deadbeat Predictive Stator Flux Control With Reduced-Order Disturbance Observer for In-Wheel PMSMs. IEEE/ASME Transactions on Mechatronics, 2022, 27, 690-700. | 3.7 | 64 |
| 3 | Sliding Mode Direct Torque Control of SPMSMs Based on a Hybrid Wolf Optimization Algorithm. IEEE Transactions on Industrial Electronics, 2022, 69, 4534-4544. | 5.2 | 60 |
| 4 | Improvement on parameter identification of modified Jiles-Atherton model for iron loss calculation. Journal of Magnetism and Magnetic Materials, 2022, 542, 168602. | 1.0 | 8 |
| 5 | Optimal Design of Terminal Sliding Mode Controller for Direct Torque Control of SRMs. IEEE Transactions on Transportation Electrification, 2022, 8, 1445-1453. | 5.3 | 32 |
| 6 | Sensorless Control With Fault-Tolerant Ability for Switched Reluctance Motors. IEEE Transactions on Energy Conversion, 2022, 37, 1272-1281. | 3.7 | 8 |
| 7 | Design and Analysis of an Outer Mover Linear-Rotary Vernier Machine. Journal of Electrical Engineering and Technology, 2022, 17, 1087-1095. | 1.2 | 2 |
| 8 | Multiobjective Optimization of a Five-Phase Bearingless Permanent Magnet Motor Considering Winding Area. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2657-2666. | 3.7 | 31 |
| 9 | Investigation of a 3D-Magnetic Flux PMSM With High Torque Density for Electric Vehicles. IEEE Transactions on Energy Conversion, 2022, 37, 1442-1454. | 3.7 | 21 |
| 10 | Flux Leakage Analytical Calculation in the E-Shape Stator of Linear Rotary Motor With Interlaced Permanent Magnet Poles. IEEE Transactions on Magnetics, 2022, 58, 1-6. | 1.2 | 3 |
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| 12 | Design and analysis of mechanical flux-weakening device of axial flux permanent magnet machines. Journal of Power Electronics, 2022, 22, 653-663. | 0.9 | 1 |
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| 14 | Development of Equivalent Circuit Models of Permanent Magnet Synchronous Motors Considering Core Loss. Energies, 2022, 15, 1995. | 1.6 | 11 |
| 15 | An Impulse Modulation Strategy for the M-Phase Permanent Magnet Synchronous Motor with the Current Source Inverter. , 2022, , . | | 1 |
| 16 | Three-Dimensional Numerical Characterization of High-Temperature Superconductor Bulks Subjected to Rotating Magnetic Fields. Energies, 2022, 15, 3186. | 1.6 | 4 |
| 17 | Implementation of an Improved Motor Control for Electric Vehicles. Energies, 2022, 15, 4833. | 1.6 | 8 |
| 18 | An Improved Model Predictive Current Control for PMSM Drives Based on Current Track Circle. IEEE Transactions on Industrial Electronics, 2021, 68, 3782-3793. | 5.2 | 117 |

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| 19 | Multi-Objective Design Optimization of an IPMSM Based on Multilevel Strategy. IEEE Transactions on Industrial Electronics, 2021, 68, 139-148. | 5.2 | 167 |
| 20 | Torque Modeling of a Segmented-Rotor SRM Using Maximum-Correntropy-Criterion-Based LSSVR for Torque Calculation of EVs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2674-2684. | 3.7 | 34 |
| 21 | Robust Design Optimization of Electrical Machines: Multi-Objective Approach. IEEE Transactions on Energy Conversion, 2021, 36, 390-401. | 3.7 | 39 |
| 22 | Robust Design Optimization of Electrical Machines: A Comparative Study and Space Reduction Strategy. IEEE Transactions on Energy Conversion, 2021, 36, 300-313. | 3.7 | 27 |
| 23 | Improved Model Predictive Torque Control for PMSM Drives Based on Duty Cycle Optimization. IEEE Transactions on Magnetics, 2021, 57, 1-5. | 1.2 | 34 |
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| 28 | Topology, Modeling and Control Scheme for a new Seven-Level Inverter With Reduced DC-Link Voltage. IEEE Transactions on Energy Conversion, 2021, 36, 2734-2746. | 3.7 | 8 |
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| 34 | A novel flux switching claw pole machine with soft magnetic composite cores. International Journal of Applied Electromagnetics and Mechanics, 2021, 67, 183-203. | 0.3 | 2 |
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| 36 | High Precision Control of Flux Switching Linear Rotary Machine for Reelwinder. , 2021, , . | | 1 |

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| 37 | Multimode Optimization of Switched Reluctance Machines in Hybrid Electric Vehicles. IEEE Transactions on Energy Conversion, 2021, 36, 2217-2226. | 3.7 | 39 |
| 38 | A Composite Sliding Mode Control for SPMSM Drives Based on a New Hybrid Reaching Law With Disturbance Compensation. IEEE Transactions on Transportation Electrification, 2021, 7, 1427-1436. | 5.3 | 62 |
| 39 | A Robust Deadbeat Predictive Controller With Delay Compensation Based on Composite Sliding-Mode Observer for PMSMs. IEEE Transactions on Power Electronics, 2021, 36, 10742-10752. | 5.4 | 108 |
| 40 | Electromagnetic Characteristic Analysis of BFSLRM. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6. | 1.1 | 1 |
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| 45 | Improved Deadbeat Predictive Current Control to Enhance the Performance of the Drive System of Permanent Magnet Synchronous Motors. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4. | 1.1 | 7 |
| 46 | Speed Sensorless Model Predictive Current Control Based on Finite Position Set for PMSHM Drives. IEEE Transactions on Transportation Electrification, 2021, 7, 2743-2752. | 5.3 | 90 |
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| 48 | Improved Deadbeat Predictive Current Control of Permanent Magnet Synchronous Motor Using a Novel Stator Current and Disturbance Observer. IEEE Access, 2021, 9, 142815-142826. | 2.6 | 12 |
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| 51 | Numerical Investigation of AC Loss in HTS Bulks Subjected to Rotating Magnetic Fields. , 2021, , . | | 5 |
| 52 | A New Control Scheme for Three-Phase Non-Isolated Grid Feeding PV Inverter. , 2021, , . | | 0 |
| 53 | State Feedback Control for a PM Hub Motor Based on Gray Wolf Optimization Algorithm. IEEE Transactions on Power Electronics, 2020, 35, 1136-1146. | 5.4 | 157 |
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| 59 | A review on mitigation technologies of low frequency current ripple injected into fuel cell and a case study. International Journal of Hydrogen Energy, 2020, 45, 25167-25190. | 3.8 | 8 |
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| 67 | A novel five-level switched capacitor type inverter topology for grid-tied photovoltaic application. , 2020, , . | | 0 |
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| 87 | Development of a High-Performance Axial Flux PM Machine With SMC Cores for Electric Vehicle Application. IEEE Transactions on Magnetics, 2019, 55, 1-4. | 1.2 | 33 |
| 88 | Analysis and Design Optimization of a Permanent Magnet Synchronous Motor for a Campus Patrol Electric Vehicle. IEEE Transactions on Vehicular Technology, 2019, 68, 10535-10544. | 3.9 | 150 |
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| 92 | Study on Segmented-Rotor Switched Reluctance Motors With Different Rotor Pole Numbers for BSG System of Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 5537-5547. | 3.9 | 121 |
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| 97 | A Least Mean Square Algorithm Based Single-Phase Grid Voltage Parameters Estimation Method. , 2019, , . | | 2 |
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| 99 | A State Feedback Controller for PMSMs Based on Penalty Term Augmented Seeker Optimization Algorithm. , 2019, , . | | 1 |
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| 102 | Comparative Study of Axial Flux Vernier Machine with SMC Cores for Electric Vehicle Application. , 2019, , . | | 2 |
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