

Xueqing Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Induced Current Reduction in Position-Sensorless SRM Drives Using Pulse Injection. IEEE Transactions on Industrial Electronics, 2023, 70, 4620-4630.	7.9	9
2	A Regional Phase-Locked Loop-Based Low-Speed Position-Sensorless Control Scheme for General-Purpose Switched Reluctance Motor Drives. IEEE Transactions on Power Electronics, 2022, 37, 5859-5873.	7.9	16
3	A Novel High Power Hybrid Rectifier With Low Cost and High Grid Current Quality for Improved Efficiency of Electrolytic Hydrogen Production. IEEE Transactions on Power Electronics, 2022, 37, 3763-3768.	7.9	23
4	Improving the Central Magnetic Field of an HTS Magnet Using Multiple Flux Pumps. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	3
5	Current Optimization-Based Fault-Tolerant Control of Standard Three-Phase PMSM Drives. IEEE Transactions on Energy Conversion, 2021, 36, 1023-1035.	5.2	17
6	Deadbeat Predictive Current Control-Based Fault-Tolerant Scheme for Dual Three-Phase PMSM Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1591-1604.	5.4	37
7	Feedback Linearization Based Direct Torque Control for IPMSMs. IEEE Transactions on Power Electronics, 2021, 36, 3135-3148.	7.9	19
8	Fault-Tolerant Control of Common Electrical Faults in Dual Three-Phase PMSM Drives Fed by T-Type Three-Level Inverters. IEEE Transactions on Industry Applications, 2021, 57, 481-491.	4.9	22
9	Improved Feature-Position-Based Sensorless Control Scheme for SRM Drives Based on Nonlinear State Observer at Medium and High Speeds. IEEE Transactions on Power Electronics, 2021, 36, 5711-5723.	7.9	33
10	Time-Efficient Torque Shaping for Switched Reluctance Machines From Linear Space. IEEE Transactions on Power Electronics, 2021, 36, 9361-9371.	7.9	8
11	Interleaved Model Predictive Control for Three-Level Neutral-Point-Clamped Dual Three-Phase PMSM Drives With Low Switching Frequencies. IEEE Transactions on Power Electronics, 2021, 36, 11618-11630.	7.9	35
12	An Online Flux Estimation for Dual Three-Phase SPMSM Drives Using Position-Offset Injection. IEEE Transactions on Power Electronics, 2021, 36, 11606-11617.	7.9	22
13	Fault-Tolerant Control of Dual Three-Phase PMSM Drives With Minimized Copper Loss. IEEE Transactions on Power Electronics, 2021, 36, 12938-12953.	7.9	45
14	An Intersection-Method-Based Current Controller for Switched Reluctance Machines With Robust Tracking Performance. IEEE Transactions on Transportation Electrification, 2021, 7, 2822-2834.	7.8	13
15	Diagnosis and Tolerance of Common Electrical Faults in T-Type Three-Level Inverters Fed Dual Three-Phase PMSM Drives. IEEE Transactions on Power Electronics, 2020, 35, 1753-1769.	7.9	57
16	Optimization of Torque Tracking Performance for Direct-Torque-Controlled PMSM Drives With Composite Torque Regulator. IEEE Transactions on Industrial Electronics, 2020, 67, 10095-10108.	7.9	41
17	Compact Linear-Motor Type Flux Pumps With Different Wavelengths for High-Temperature Superconducting Magnets. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	24
18	Measuring the Output Voltage of a Linear-Motor Type Flux Pump With an Insulated HTS Coil. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	18

#	ARTICLE	IF	CITATIONS
19	Diagnosis-Free Self-Healing Scheme for Open-Circuit Faults in Dual Three-Phase PMSM Drives. IEEE Transactions on Power Electronics, 2020, 35, 12053-12071.	7.9	44
20	An HTS NI Magnet Charged by Multiple Flux Pumps: Construction and Test of the Prototype. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	14
21	Mitigation of DC-Link Current Ripple for Dual Three-Phase Flux-Adjustable Hybrid PMAC Drives Using Collaborative Switching Strategy. IEEE Transactions on Industrial Electronics, 2020, 67, 7202-7216.	7.9	13
22	Design, Fabrication, and Testing of a YBCO Racetrack Coil for an HTS Synchronous Motor With HTS Flux Pump. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	29
23	Predictive current control method for dual three-phase PMSM drives with reduced switching frequency and low-computation burden. IET Electric Power Applications, 2020, 14, 668-677.	1.8	18
24	A Hybrid Direct Torque Control Scheme for Dual Three-Phase PMSM Drives With Improved Operation Performance. IEEE Transactions on Power Electronics, 2019, 34, 1622-1634.	7.9	72
25	Electromagnetic Design of 1.5 T No-Insulation REBCO Coil System Charged by Multiflux Pumps for Dedicated MRI. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	25
26	Design and Study of a 2G HTS Synchronous Motor With Brushless HTS Flux Pump Exciters. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	20
27	Measurement of the Current in 2G HTS Coil With Rogowski Coil in Cryogenic Environment. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3
28	Comprehensive Diagnosis and Tolerance Strategies for Electrical Faults and Sensor Faults in Dual Three-Phase PMSM Drives. IEEE Transactions on Power Electronics, 2019, 34, 6669-6684.	7.9	153
29	Sensorless Control of Surface-Mounted Permanent Magnet Synchronous Motor Drives Using Nonlinear Optimization. IEEE Transactions on Power Electronics, 2019, 34, 8930-8943.	7.9	17