Fei Peng

List of Publications by Year
in descending order

36	436	840776	752698
papers	citations	11 h-index	20 g-index

36	36	36	349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A General Single-Sensor Damping Framework for LCL-Equipped High-Speed PMSM Drives. IEEE Transactions on Industrial Electronics, 2023, 70, 5375-5380.	7.9	1
2	Dynamic-Decoupled Active Damping Control Method for Improving Current Transient Behavior of LCL-Equipped High-Speed PMSMs. IEEE Transactions on Power Electronics, 2022, 37, 3259-3271.	7.9	10
3	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.	7.9	7
4	Online Inductance Identification Using PWM Current Ripple for Position Sensorless Drive of High-Speed Surface-Mounted Permanent Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2022, 69, 12426-12436.	7.9	15
5	Discrete-Time Dynamic-Decoupled Current Control for LCL-Equipped High-Speed Permanent Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2022, 69, 12414-12425.	7.9	4
6	A Novel Delta-Type Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Electrified Vehicle Applications. IEEE Transactions on Transportation Electrification, 2022, 8, 3512-3523.	7.8	11
7	A Novel Asymmetric-PM Hybrid-Magnetic-Circuit Variable Flux Memory Machine for Traction Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 4911-4921.	6.3	4
8	Nonlinear Semianalytical Model for Axial Flux Permanent-Magnet Machine. IEEE Transactions on Industrial Electronics, 2022, 69, 9804-9816.	7.9	13
9	Magnetic Field Calculation in Axial Flux Permanent Magnet Motor With Rotor Eccentricity. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	6
10	Improved Position Sensorless Drive Method for IPMSM Based on Fully Discretized Model and Inductance Identification Utilizing Current Ripple. IEEE Transactions on Power Electronics, 2022, 37, 13250-13263.	7.9	1
11	A Sliding-Mode Position Estimation Method With Chattering Suppression for LCL-Equipped High-Speed Surface-Mounted PMSM Drives. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	12
12	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.	7.9	10
13	Simplified Quadratic Optimization-Based IPMSM Full-Speed Range Rotor Position Estimation in Synchronous Rotating Frame. IEEE Transactions on Transportation Electrification, 2021, 7, 1527-1536.	7.8	0
14	An Improved Robust Deadbeat Predictive Current Control without Computational Delay. , 2021, , .		0
15	An Improved Deadbeat Predictive Current Control With Online Parameter Identification for Surface-Mounted PMSMs. IEEE Transactions on Industrial Electronics, 2020, 67, 10145-10155.	7.9	68
16	Position Estimation Method of IPMSM in Full Speed Range by Simplified Quadratic Optimization. IEEE Access, 2020, 8, 109964-109975.	4.2	3
17	Rotor Eddy Current Loss Reduction With Permeable Retaining Sleeve for Permanent Magnet Synchronous Machine. IEEE Transactions on Energy Conversion, 2020, 35, 1088-1097.	5.2	20
18	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.	7.9	33

#	Article	IF	Citations
19	A novel low control frequency control strategy of high switching frequency inverter for high speed PMSM current control. , 2020, , .		2
20	PM Hub Motor Design for Electric Two-Wheelers Based on Measured Driving Cycles. , 2020, , .		2
21	An Improved Composite Position Controller based on Discrete-Time Terminal Sliding Mode Control for PMSM Servo System. , 2020, , .		0
22	PMSM Speed Control for Forging Machine Based on Iterative Learning Control Method. , 2020, , .		2
23	Sliding Mode Control with Neural Network for Active Magnetic Bearing System. , 2019, , .		3
24	Stepwise Magnetization Control Strategy for DC-Magnetized Memory Machine. IEEE Transactions on Industrial Electronics, 2019, 66, 4273-4285.	7.9	18
25	A New Hybrid Method for Magnetic Field Calculation in IPMSM Accounting for Any Rotor Configuration. IEEE Transactions on Industrial Electronics, 2019, 66, 5015-5024.	7.9	30
26	General Analytical Modeling for Magnet Demagnetization in Surface Mounted Permanent Magnet Machines. IEEE Transactions on Industrial Electronics, 2019, 66, 5830-5838.	7.9	34
27	Discrete-Time Current Control of Modular Multilevel Converter for Medium Voltage High Power High-Speed PMSM. , 2018, , .		3
28	Position and Capacitor Voltage Sensorless Control of High-Speed Surface-Mounted PMSM Drive with Output Filter. , 2018, , .		7
29	Position Sensorless Drive of High Speed Permanent Magnet Synchronous Motor. , 2018, , .		8
30	Deadâ€time effect analysis of a threeâ€phase dualâ€active bridge DC/DC converter. IET Power Electronics, 2018, 11, 984-994.	2.1	23
31	Analytical Modeling of Manufacturing Imperfections in Double-Rotor Axial Flux PM Machines: Effects on Back EMF. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	19
32	An Asymmetric Three-Level Neutral Point Diode Clamped Converter for Switched Reluctance Motor Drives. IEEE Transactions on Power Electronics, 2017, 32, 8618-8631.	7.9	53
33	DC-bus design with hybrid capacitor bank in single-phase PV inverters. , 2017, , .		9
34	Active damping control of modular multilevel converter with output filter for high-speed PM motor drive. , 2017, , .		3
35	Modulation and control of a two-stage single-phase high frequency link inverter. , 2012, , .		2
36	A full-bridge full-wave high frequency link inverter with active clamper and its control. , 2011, , .		0