Zhou xinxiu

List of Publications by Year
in descending order

26 papers	786 citations	567281 15 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	554 citing authors

#	Article	IF	Citations
1	Instantaneous Torque Control of Small Inductance Brushless DC Motor. IEEE Transactions on Power Electronics, 2012, 27, 4952-4964.	7.9	106
2	Precise Accelerated Torque Control for Small Inductance Brushless DC Motor. IEEE Transactions on Power Electronics, 2013, 28, 1400-1412.	7.9	86
3	PMSM Open-Phase Fault-Tolerant Control Strategy Based on Four-Leg Inverter. IEEE Transactions on Power Electronics, 2020, 35, 2799-2808.	7.9	74
4	Precise Braking Torque Control for Attitude Control Flywheel With Small Inductance Brushless DC Motor. IEEE Transactions on Power Electronics, 2013, 28, 5380-5390.	7.9	61
5	High Performance Three-Phase PMSM Open-Phase Fault-Tolerant Method Based on Reference Frame Transformation. IEEE Transactions on Industrial Electronics, 2019, 66, 7571-7580.	7.9	56
6	Fast Commutation Instant Shift Correction Method for Sensorless Coreless BLDC Motor Based on Terminal Voltage Information. IEEE Transactions on Power Electronics, 2017, 32, 9460-9472.	7.9	43
7	High Performance Nonsalient Sensorless BLDC Motor Control Strategy From Standstill to High Speed. IEEE Transactions on Industrial Informatics, 2018, 14, 4365-4375.	11.3	43
8	Rapid Self-Compensation Method of Commutation Phase Error for Low- Inductance BLDC Motor. IEEE Transactions on Industrial Informatics, 2017, 13, 1833-1842.	11.3	42
9	A Fast and Robust Open-Switch Fault Diagnosis Method for Variable-Speed PMSM System. IEEE Transactions on Power Electronics, 2021, 36, 2598-2610.	7.9	36
10	Sensorless BLDC Motor Commutation Point Detection and Phase Deviation Correction Method. IEEE Transactions on Power Electronics, 2019, 34, 5880-5892.	7.9	35
11	Complete Synchronous Vibration Suppression for a Variable-Speed Magnetically Suspended Flywheel Using Phase Lead Compensation. IEEE Transactions on Industrial Electronics, 2018, 65, 5837-5846.	7.9	29
12	A Sensorless Commutation Error Correction Method for High-Speed BLDC Motors Based on Phase Current Integration. IEEE Transactions on Industrial Informatics, 2020, 16, 328-338.	11.3	26
13	Active Damping Stabilization for High-Speed BLDCM Drive System Based on Band-Pass Filter. IEEE Transactions on Power Electronics, 2017, 32, 5438-5449.	7.9	24
14	An Improved MTPA Control Based on Amplitude-Adjustable Square Wave Injection. IEEE Transactions on Energy Conversion, 2020, 35, 956-965.	5.2	23
15	Sensorless Commutation Deviation Correction of Brushless DC Motor With Three-Phase Asymmetric Back-EMF. IEEE Transactions on Industrial Electronics, 2020, 67, 6158-6167.	7.9	21
16	High-Precision Sensorless Optimal Commutation Deviation Correction Strategy of BLDC Motor With Asymmetric Back EMF. IEEE Transactions on Industrial Informatics, 2021, 17, 5250-5259.	11.3	15
17	A Quadra-Layered Multipole Moment Heating Film With Self-Cancellation of Magnetic Field. IEEE Transactions on Magnetics, 2020, 56, 1-11.	2.1	12
18	Harmonic Vibration Control of MSCMG Based on Multisynchronous Rotating Frame Transformation. IEEE Transactions on Industrial Electronics, 2022, 69, 1717-1727.	7.9	12

#	Article	IF	Citations
19	A Novel Initial Rotor Position Estimation Method at Standstill for Doubly Salient Permanent Magnet Motor. IEEE Transactions on Industrial Informatics, 2018, 14, 2914-2924.	11.3	11
20	New Fault Tolerance Method for Open-Phase PMSM. IEEE Access, 2019, 7, 146416-146427.	4.2	8
21	Unbalance Vibration Control for MSCMG Based on High-Precision Synchronous Signal Detection Method. IEEE Sensors Journal, 2021, 21, 17917-17925.	4.7	8
22	Fault Diagnosis of Reciprocating Compressor Using Component Estimating Empirical Mode Decomposition and De-Dimension Template With Double-Loop Correction Algorithm. IEEE Access, 2019, 7, 90630-90639.	4.2	4
23	Current harmonic suppression for permanent magnet synchronous motor based on phase compensation resonant controller. JVC/Journal of Vibration and Control, 2022, 28, 735-744.	2.6	4
24	A Magnetic Field In-Situ Measurement Method of the Heating Film in Atomic Sensors. IEEE Sensors Journal, 2021, 21, 10539-10545.	4.7	3
25	Accurate and fast-response magnetically suspended flywheel torque control. Transactions of the Institute of Measurement and Control, 2016, 38, 73-82.	1.7	2
26	A Parameter Identification Method Based on Forgetting Factor Dynamic Adjustment for PMSM Applied to the Rapid Control of Satellite Attitude. Journal of Electrical Engineering and Technology, 2019, 14, 287-299.	2.0	2