

Sheng-Ming Yang

List of Publications by Year in descending order

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33
papers

510
citations

840585

11
h-index

887953

17
g-index

33
all docs

33
docs citations

33
times ranked

487
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensorless Control System for a Single-Phase DC-Excited Flux-Switching Machine With Self-Starting Capability. IEEE Access, 2021, 9, 119067-119077.	2.6	1
2	Phase Inductance and Rotor Position Estimation for Sensorless Permanent Magnet Synchronous Machine Drives at Standstill. IEEE Access, 2021, 9, 32897-32907.	2.6	16
3	Control System for a Single-Phase DC-Excited Flux-Switching Machine With a Torque Ripple Reduction Scheme. IEEE Access, 2020, 8, 226579-226590.	2.6	4
4	Online Current Loop Tuning for Permanent Magnet Synchronous Servo Motor Drives with Deadbeat Current Control. Energies, 2019, 12, 3555.	1.6	6
5	Modeling Torque Characteristic of Single-Phase DC-Excited Flux Switching Motor for Torque Ripple Reduction. , 2018, , .		1
6	Comparison of High Frequency Voltage Injection Methods for Shaft Sensorless Control of Wound-Field Flux Switching Machine. , 2018, , .		2
7	A Control Strategy for Flying-Start of Shaft Sensorless Permanent Magnet Synchronous Machine Drive. , 2018, , .		2
8	Rotor Position Sensorless Control of Wound-Field Flux-Switching Machine Based on High Frequency Square-Wave Voltage Injection. IEEE Access, 2018, 6, 48776-48784.	2.6	10
9	Robust Initial Position Estimation of Permanent Magnet Machine With Low Saliency Ratio. IEEE Access, 2017, 5, 2685-2695.	2.6	16
10	Design of a High Starting Torque Single-Phase DC-Excited Flux Switching Machine. IEEE Transactions on Industrial Electronics, 2017, 64, 9905-9913.	5.2	9
11	Design of a wound-field flux switching machine with dual-stator to reduce unbalanced shaft magnetic force. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2017, 40, 441-448.	0.6	5
12	Design Consideration on the Square-Wave Voltage Injection for Sensorless Drive of Interior Permanent-Magnet Machines. IEEE Transactions on Industrial Electronics, 2017, 64, 159-168.	5.2	37
13	Design of a Single-Phase DC-Excited Flux Switching Machine for Home Appliance with Improved Starting Torque. , 2016, , .		1
14	Design of a 12-slot 7-pole wound-field flux switching motor for traction applications. , 2016, , .		10
15	Automatic Control Loop Tuning for Permanent-Magnet AC Servo Motor Drives. IEEE Transactions on Industrial Electronics, 2016, 63, 1499-1506.	5.2	80
16	A maximum torque control strategy for wound-field flux switching motor drives. , 2015, , .		9
17	Nonlinear control of a magnetically levitated single-axis controlled axial blood pump. , 2015, , .		0
18	Parameter identification and automatic control loop tuning for PMAC servo motor drives. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	The Detection of Resonance Frequency in Motion Control Systems. IEEE Transactions on Industry Applications, 2014, 50, 3423-3427.	3.3	31
20	Observer-based automatic control loop tuning for servo motor drives. , 2013, , .		5
21	Controlled Dynamic Braking for Switched Reluctance Motor Drives With a Rectifier Front End. IEEE Transactions on Industrial Electronics, 2013, 60, 4913-4919.	5.2	37
22	Detection of resonance frequency in motion control systems. , 2013, , .		7
23	Design of a Thrust Actuator for Magnetic Bearings With Low Radial Attraction Force. IEEE Transactions on Magnetics, 2012, 48, 3587-3590.	1.2	18
24	Investigation of a dynamic braking scheme for switched reluctance motor drives. , 2011, , .		4
25	Electromagnetic Actuator Implementation and Control for Resonance Vibration Reduction in Miniature Magnetically Levitated Rotating Machines. IEEE Transactions on Industrial Electronics, 2011, 58, 611-617.	5.2	38
26	Experimental verification of radial force control for a PMSM self-bearing motor drive. , 2011, , .		1
27	Implementation and control of a PMSM self-bearing motor drive. , 2010, , .		1
28	A Hall Sensor-Based Three-Dimensional Displacement Measurement System for Miniature Magnetically Levitated Rotor. IEEE Sensors Journal, 2009, 9, 1872-1878.	2.4	29
29	Design and Implementation of a Magnetically Levitated Single-Axis Controlled Axial Blood Pump. IEEE Transactions on Industrial Electronics, 2009, 56, 2213-2219.	5.2	70
30	A Low Cost Linear Position Measurement System for Magnetically Levitated Rotor in Axial Flow Pump. , 2008, , .		1
31	Axial and Radial Position Sensing for a Magnetically Levitated Rotor Using Hall Sensors. , 2007, , .		6
32	Self-Bearing Control of a Switched Reluctance Motor Using Sinusoidal Currents. IEEE Transactions on Power Electronics, 2007, 22, 2518-2526.	5.4	43
33	Levitation and Torque Control of a PM Synchronous Self-Bearing Motor with a Single Set of Windings. , 2007, , .		7