

Yonghyun Park

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reliable Airgap Search Coil Based Detection of Induction Motor Rotor Faults Under False Negative Motor Current Signature Analysis Indications. IEEE Transactions on Industrial Informatics, 2022, 18, 3276-3285.	11.3	17
2	A Simple Method for Identifying Mass Unbalance Using Vibration Measurement in Permanent Magnet Synchronous Motors. IEEE Transactions on Industrial Electronics, 2022, 69, 6441-6444.	7.9	17
3	Airgap Search Coil Based Identification of PM Synchronous Motor Defects. IEEE Transactions on Industrial Electronics, 2022, 69, 6551-6560.	7.9	31
4	Electrical Testing for Detection and Classification of Open Damper Bar and Shorted Field Winding Failures in Wound Field Synchronous Motors. IEEE Transactions on Industry Applications, 2022, 58, 4532-4541.	4.9	6
5	Reliable Flux-Based Detection of Induction Motor Rotor Faults From the Fifth Rotor Rotational Frequency Sideband. IEEE Transactions on Industrial Electronics, 2021, 68, 7874-7883.	7.9	29
6	Online Compensation of Mechanical Load Defects With Composite Control in PMSM Drives. IEEE/ASME Transactions on Mechatronics, 2021, 26, 1392-1400.	5.8	6
7	Flux-Based Detection and Classification of Induction Motor Eccentricity, Rotor Cage, and Load Defects. IEEE Transactions on Industry Applications, 2021, 57, 2471-2480.	4.9	35
8	Reliable Flux based Detection of Rotor Cage Faults in Induction Motors. , 2021, , .		2
9	Hall-Effect Sensors as Multipurpose Devices to Control, Monitor and Diagnose AC Permanent Magnet Synchronous Machines. , 2021, , .		1
10	Airgap Flux Based Detection and Classification of Induction Motor Rotor and Load Defects During the Starting Transient. IEEE Transactions on Industrial Electronics, 2020, 67, 10075-10084.	7.9	53
11	High-Resistance Fault Control in Permanent Magnet Synchronous Motors. IEEE/ASME Transactions on Mechatronics, 2020, 25, 271-281.	5.8	19
12	Electrical Monitoring of Damper Bar Condition in Salient-Pole Synchronous Motors Without Motor Disassembly. IEEE Transactions on Industry Applications, 2020, 56, 1423-1431.	4.9	16
13	Search Coil-Based Detection of Nonadjacent Rotor Bar Damage in Squirrel Cage Induction Motors. IEEE Transactions on Industry Applications, 2020, 56, 4748-4757.	4.9	31
14	Airgap Flux-based Detection and Classification of Damper Bar and Field Winding Faults in Salient Pole Synchronous Motors. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	6
15	Flux-based Detection and Classification of Induction Motor Eccentricity, Rotor Cage, and Load Defects. , 2020, , .		6
16	Permanent Magnet Synchronous Machine Non-Uniform Demagnetization Detection Using Zero-Sequence Magnetic Field Density. IEEE Transactions on Industry Applications, 2019, 55, 3823-3833.	4.9	20
17	Higher-Order Sliding Mode Based High-Resistance Fault-Control in PMSM Drives. , 2019, , .		1
18	Online Detection and Classification of Rotor and Load Defects in PMSMs Based on Hall Sensor Measurements. IEEE Transactions on Industry Applications, 2019, 55, 3803-3812.	4.9	56

#	ARTICLE	IF	CITATIONS
19	Comprehensive Monitoring of Field Winding Short Circuits for Salient Pole Synchronous Motors. IEEE Transactions on Energy Conversion, 2019, 34, 1686-1694.	5.2	25
20	Flux-based Detection of Non-adjacent Rotor Bar Damage in Squirrel Cage Induction Motors. , 2019, , .		9
21	Online Detection of Rotor Eccentricity and Demagnetization Faults in PMSMs Based on Hall-Effect Field Sensor Measurements. IEEE Transactions on Industry Applications, 2019, 55, 2499-2509.	4.9	76
22	Stray Flux Monitoring for Reliable Detection of Rotor Faults Under the Influence of Rotor Axial Air Ducts. IEEE Transactions on Industrial Electronics, 2019, 66, 7561-7570.	7.9	65
23	Detection of Demagnetization in Permanent Magnet Synchronous Machines Using Hall-Effect Sensors. IEEE Transactions on Industry Applications, 2018, 54, 3338-3349.	4.9	32
24	Electrical Monitoring of Mechanical Defects in Induction Motor-Driven V-Beltâ€™Pulley Speed Reduction Couplings. IEEE Transactions on Industry Applications, 2018, 54, 2255-2264.	4.9	15
25	Quality Assurance Testing for Screening Defective Aluminum Die-Cast Rotors of Squirrel Cage Induction Machines. IEEE Transactions on Industry Applications, 2018, 54, 2246-2254.	4.9	10
26	On-line Detection and Classification of Rotor and Load Defects in PMSMs based on Hall Sensor Measurements. , 2018, , .		2
27	Permanent Magnet Synchronous Machine Non-Uniform Demagnetization Detection Using Zero-Sequence Magnetic Field Density. , 2018, , .		1
28	Influence of Blade Pass Frequency Vibrations on MCSA-Based Rotor Fault Detection of Induction Motors. IEEE Transactions on Industry Applications, 2017, 53, 2049-2058.	4.9	57
29	Permanent Magnet Temperature Estimation in PM Synchronous Motors Using Low-Cost Hall Effect Sensors. IEEE Transactions on Industry Applications, 2017, 53, 4515-4525.	4.9	48
30	A robust voltage, speed and current sensors fault-tolerant control in PMSM drives. , 2017, , .		3
31	Electrical monitoring of mechanical defects in induction motor driven V-belt-pulley speed reduction couplings. , 2017, , .		3
32	On-line detection of rotor eccentricity for PMSMs based on hall-effect field sensor measurements. , 2017, , .		6
33	Off-line flux injection test probe for screening defective rotors in squirrel cage induction machines. , 2017, , .		7
34	Detection of demagnetization in permanent magnet synchronous machines using hall-effect sensors. , 2017, , .		5
35	Influence of blade pass frequency vibrations on MCSA-based rotor fault detection of induction motors. , 2016, , .		7
36	Permanent magnet temperature estimation in PM synchronous motors using low cost hall effect sensors. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
37	Monitoring of journal bearing faults based on motor current signature analysis for induction motors. , 2015, , .		12