

Xuyang Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design and Implementation of a Multi-Purpose TMR Sensor Matrix for Wireless Electric Vehicle Charging. IEEE Sensors Journal, 2019, 19, 1683-1692.	4.7	57
2	Inter-Turn Short-Circuit Fault Detection Approach for Permanent Magnet Synchronous Machines Through Stray Magnetic Field Sensing. IEEE Sensors Journal, 2019, 19, 7884-7895.	4.7	45
3	Velocity Measurement Technique for Permanent Magnet Synchronous Motors Through External Stray Magnetic Field Sensing. IEEE Sensors Journal, 2018, 18, 4013-4021.	4.7	44
4	Overview of Spintronic Sensors With Internet of Things for Smart Living. IEEE Transactions on Magnetics, 2019, 55, 1-22.	2.1	41
5	Magnetic-Field-Sensing-Based Approach for Current Reconstruction, Sag Detection, and Inclination Detection for Overhead Transmission System. IEEE Transactions on Magnetics, 2019, 55, 1-7.	2.1	23
6	Condition Monitoring of Electrolytic Capacitors in Boost Converters by Magnetic Sensors. IEEE Sensors Journal, 2019, 19, 10393-10402.	4.7	22
7	TMR-Sensor-Array-Based Misalignment-Tolerant Wireless Charging Technique for Roadway Electric Vehicles. IEEE Transactions on Magnetics, 2019, 55, 1-7.	2.1	17
8	Performance Study on Commercial Magnetic Sensors for Measuring Current of Unmanned Aerial Vehicles. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1397-1407.	4.7	17
9	Marker-Free Coil-Misalignment Detection Approach Using TMR Sensor Array for Dynamic Wireless Charging of Electric Vehicles. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	16
10	Arc-Faults Detection in PV Systems by Measuring Pink Noise With Magnetic Sensors. IEEE Transactions on Magnetics, 2019, 55, 1-6.	2.1	14
11	Experimental Investigation of a Johnson Noise Thermometry Using GMR Sensor for Electric Vehicle Applications. IEEE Sensors Journal, 2018, 18, 3098-3107.	4.7	13
12	DC-Arcing Detection by Noise Measurement With Magnetic Sensing by TMR Sensors. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	12
13	Online Detecting Magnet Defect Fault in PMSG With Magnetic Sensing. IEEE Transactions on Transportation Electrification, 2021, 7, 2775-2786.	7.8	7
14	Online Detection and Location of Eccentricity Fault in PMSG With External Magnetic Sensing. IEEE Transactions on Industrial Electronics, 2022, 69, 9749-9760.	7.9	7
15	On-Site Real-Time Current Monitoring of Three-Phase Three-Core Power Distribution Cables with Magnetic Sensing. , 2018, , .		5
16	Velocity measurement method for PMSMs through external stray magnetic field sensing. , 2017, , .		3
17	A new johnson-noise-based thermometry using giant magnetoresistive sensor. , 2016, , .		2
18	Dual Measurement of Current and Temperature Using a Single Tunneling Magnetoresistive Sensor. , 2018, , .		2