

Haobin Dong

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Multiparameter Integrated Magnetometer Based on Combination of Scalar and Vector Fields. IEEE Transactions on Industrial Electronics, 2022, 69, 2044-2054.	7.9	8
2	Anomaly detection of complex magnetic measurements using structured Hankel low-rank modeling and singular value decomposition. Review of Scientific Instruments, 2022, 93, 045107.	1.3	6
3	Improving the Signal-to-Noise-Ratio of Free Induction Decay Signals Using a New Multilinear Singular Value Decomposition-Based Filter. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	7
4	Magnetic Dipole Two-Point Tensor Positioning Based on Magnetic Moment Constraints. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	13
5	SGCast: A New Forecasting Framework for Multilocation Geomagnetic Data With Missing Traces Based on Matrix Factorization. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	4
6	Modeling and Reduction of the Initial Orientation Error of a Coil Vector Magnetometer. IEEE Transactions on Magnetics, 2021, 57, 1-9.	2.1	3
7	An Orientation Sensitivity Suppression Method for an Overhauser Sensor Based on a Solenoid Coil. IEEE Sensors Journal, 2021, 21, 7793-7807.	4.7	5
8	Non-destructive diagnosis of grounding grids based on the electromagnetic induction impedance method. Measurement Science and Technology, 2021, 32, 115901.	2.6	8
9	A modular magneto-inductive sensor for low vector magnetic field measurements. Review of Scientific Instruments, 2021, 92, 085110.	1.3	1
10	Gray system-based identification and pre-culling of outliers applied to magnetic sensor in aeromagnetic compensation. IEEE Sensors Journal, 2020, , 1-1.	4.7	0
11	Real-Time Detection of Moving Magnetic Target Using Distributed Scalar Sensor Based on Hybrid Algorithm of Particle Swarm Optimization and Gaussâ€“Newton Method. IEEE Sensors Journal, 2020, 20, 10717-10723.	4.7	20
12	Magneto-Inductive Magnetic Gradient Tensor System for Detection of Ferromagnetic Objects. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	11
13	A Nonlinear Regression Application via Machine Learning Techniques for Geomagnetic Data Reconstruction Processing. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 128-140.	6.3	44
14	Aeromagnetic Compensation Algorithm Robust to Outliers of Magnetic Sensor Based on Huber Loss Method. IEEE Sensors Journal, 2019, 19, 5499-5505.	4.7	17
15	A High-Precision Frequency Measurement Algorithm for FID Signal of Proton Magnetometer. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 898-904.	4.7	45