

Xiaobai Meng

List of Publications by Year in descending order

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papers

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1040056

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docs citations

22
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161
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness measurement of non-magnetic steel plates using a novel planar triple-coil sensor. NDT and E International, 2019, 107, 102148.	3.7	36
2	Measurement of Ferromagnetic Slabs Permeability Based on a Novel Planar Triple-Coil Sensor. IEEE Sensors Journal, 2020, 20, 2904-2910.	4.7	31
3	A high-frequency phase feature for the measurement of magnetic permeability using eddy current sensor. NDT and E International, 2021, 123, 102519.	3.7	16
4	Evaluation of Coating Thickness Using Lift-Off Insensitivity of Eddy Current Sensor. Sensors, 2021, 21, 419.	3.8	15
5	Methods of Controlling Lift-Off in Conductivity Invariance Phenomenon for Eddy Current Testing. IEEE Access, 2020, 8, 122413-122421.	4.2	13
6	Inversion of Lift-Off Distance and Thickness for Nonmagnetic Metal Using Eddy Current Testing. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	13
7	Thickness Measurement of Metallic Film Based on a High-Frequency Feature of Triple-Coil Electromagnetic Eddy Current Sensor. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	12
8	Liftoff Tolerant Pancake Eddy-Current Sensor for the Thickness and Spacing Measurement of Nonmagnetic Plates. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	11
9	Measuring Lift-Off Distance and Electromagnetic Property of Metal Using Dual-Frequency Linearity Feature. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	10
10	Acceleration of eddy current computation for scanning probes. Insight: Non-Destructive Testing and Condition Monitoring, 2018, 60, 547-555.	0.6	9
11	Imaging a weld cross-section using a novel frequency feature in multi-frequency eddy current testing. Insight: Non-Destructive Testing and Condition Monitoring, 2019, 61, 738-743.	0.6	8
12	Determination of Surface Crack Orientation Based on Thin-Skin Regime Using Triple-Coil Driveâ€“Pickup Eddy-Current Sensor. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	6
13	Detection of corrosion pits based on an analytically optimised eddy current sensor. Insight: Non-Destructive Testing and Condition Monitoring, 2018, 60, 561-567.	0.6	6
14	Inversion of Distance and Magnetic Permeability Based on Material-Independent and Liftoff Insensitive Algorithms Using Eddy Current Sensor. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	4
15	Analysis of Tilt Effect on Notch Depth Profiling Using Thin-Skin Regime of Driver-Pickup Eddy-Current Sensor. Sensors, 2021, 21, 5536.	3.8	4