

# Hanyang Xu

## List of Publications by Year in descending order

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16  
papers

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citations

1040056

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16  
docs citations

16  
times ranked

286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on the Electrical Resistance/Conductivity of Carbon Fiber Reinforced Polymer. Applied Sciences (Switzerland), 2019, 9, 2390.	2.5	84
2	Conductivity Lift-off Invariance and measurement of permeability for ferrite metallic plates. NDT and E International, 2018, 95, 36-44.	3.7	59
3	Thickness measurement of non-magnetic steel plates using a novel planar triple-coil sensor. NDT and E International, 2019, 107, 102148.	3.7	36
4	A novel feature extraction method of eddy current testing for defect detection based on machine learning. NDT and E International, 2019, 107, 102108.	3.7	29
5	An Equivalent-Effect Phenomenon in Eddy Current Non-Destructive Testing of Thin Structures. IEEE Access, 2019, 7, 70296-70307.	4.2	23
6	Imaging x70 weld cross-section using electromagnetic testing. NDT and E International, 2018, 98, 155-160.	3.7	21
7	Methods of Controlling Lift-Off in Conductivity Invariance Phenomenon for Eddy Current Testing. IEEE Access, 2020, 8, 122413-122421.	4.2	13
8	Conductivity Classification of Non-Magnetic Tilting Metals by Eddy Current Sensors. Sensors, 2020, 20, 2608.	3.8	11
9	Permeability invariance phenomenon and measurement of electrical conductivity for ferrite metallic plates. Insight: Non-Destructive Testing and Condition Monitoring, 2019, 61, 472-479.	0.6	11
10	Novel Wearable Sensors for Biomechanical Movement Monitoring Based on Electromagnetic Sensing Techniques. IEEE Sensors Journal, 2020, 20, 1019-1027.	4.7	10
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	A multi-frequency NDT system for imaging and detection of cracks. , 2018, , .		5
13	A Novel Conductivity Classification Technique for Non-Magnetic Tilting Metals by Eddy Current Sensors. IEEE Access, 2020, 8, 151125-151132.	4.2	5
14	Imaging and detection of cracks based on a multi-frequency electromagnetic scanning instrument and SVM. , 2017, , .		4
15	Defect Feature Extraction in Eddy Current Testing Based on Convolutional Sparse Coding. , 2019, , .		2
16	Automatic feature extraction method for crack detection in eddy current testing. , 2019, , .		2