

# Robert R Hughes

## List of Publications by Year in descending order

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8  
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1684188

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#	ARTICLE	IF	CITATIONS
1	Domain Adapted Deep-Learning for Improved Ultrasonic Crack Characterization Using Limited Experimental Data. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1485-1496.	3.0	8
2	Uncertainty Quantification for Deep Learning in Ultrasonic Crack Characterization. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2339-2351.	3.0	14
3	Negligible-cost microfluidic device fabrication using 3D-printed interconnecting channel scaffolds. PLoS ONE, 2021, 16, e0245206.	2.5	20
4	Deep Learning for Ultrasonic Crack Characterization in NDE. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1854-1865.	3.0	60
5	Exploring high-frequency eddy-current testing for sub-aperture defect characterisation using parametric-manifold mapping. NDT and E International, 2021, 124, 102534.	3.7	2
6	Analysis of Electrical Resonance Distortion for Inductive Sensing Applications. IEEE Sensors Journal, 2018, 18, 5818-5825.	4.7	12
7	Developments in near electrical resonance signal enhancement (NERSE) eddy-current methods. , 2015, , .		2
8	Eddy-current crack detection at frequencies approaching electrical resonance. , 2014, , .		4