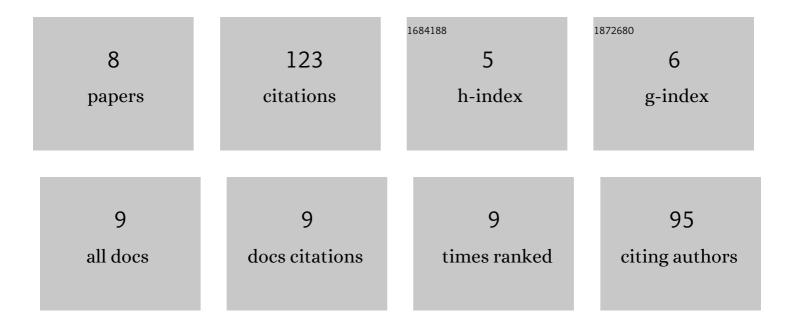
## **Robert R Hughes**

List of Publications by Year in descending order

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