

Peter Cawley

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

8,855
citations

48
h-index

89
g-index

192
ext. papers

10,029
ext. citations

3.2
avg, IF

6.43
L-index

#	Paper	IF	Citations
180	Design optimisation of permanently installed monitoring system for polycrystalline materials. <i>Structural Health Monitoring</i> , 2021 , 20, 1294-1311	4.4	
179	A Development Strategy for Structural Health Monitoring Applications. <i>Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems</i> , 2021 , 4,	0.9	2
178	Guided Wave Monitoring of Industrial Pipework [Improved Sensitivity System and Field Experience. <i>Lecture Notes in Civil Engineering</i> , 2021 , 819-829	0.3	
177	Fusion of multi-view ultrasonic data for increased detection performance in non-destructive evaluation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020 , 476, 20200086	2.4	7
176	Improving sensitivity and coverage of structural health monitoring using bulk ultrasonic waves. <i>Structural Health Monitoring</i> , 2020 , 147592172096512	4.4	6
175	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 1313-1326	5.2	6
174	Compensation for temperature-dependent phase and velocity of guided wave signals in baseline subtraction for structural health monitoring. <i>Structural Health Monitoring</i> , 2020 , 19, 26-47	4.4	29
173	Location Specific Temperature Compensation of Guided Wave Signals in Structural Health Monitoring. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 146-157	3.2	21
172	Crack growth monitoring using fundamental shear horizontal guided waves. <i>Structural Health Monitoring</i> , 2020 , 19, 1311-1322	4.4	12
171	Investigation of ultrasonic backscatter using three-dimensional finite element simulations. <i>Journal of the Acoustical Society of America</i> , 2019 , 145, 1584	2.2	5
170	Scattering of the Fundamental Shear Guided Wave From a Surface-Breaking Crack in Plate-Like Structures. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019 , 66, 1887-1897	3.2	11
169	Validation of a procedure for the evaluation of the performance of an installed structural health monitoring system. <i>Structural Health Monitoring</i> , 2019 , 18, 1557-1568	4.4	7
168	Interaction Between SH Guided Waves and Tilted Surface-Breaking Cracks in Plates. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019 , 66, 119-128	3.2	8
167	Evaluating the use of rate-based monitoring for improved fatigue remnant life predictions. <i>International Journal of Fatigue</i> , 2019 , 120, 162-174	5	8
166	Relative Ability of Wedge-Coupled Piezoelectric and Meander Coil EMAT Probes to Generate Single-Mode Lamb Waves. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018 , 65, 648-656	3.2	21
165	Structural health monitoring: Closing the gap between research and industrial deployment. <i>Structural Health Monitoring</i> , 2018 , 17, 1225-1244	4.4	154
164	Reflection of torsional T(0,1) guided waves from defects in pipe bends. <i>NDT and E International</i> , 2018 , 93, 57-63	4.1	25

163	Permanently installed corrosion monitoring using magnetic measurement of current deflection. <i>Structural Health Monitoring</i> , 2018 , 17, 227-239	4.4	4
162	The choice of ultrasonic inspection method for the detection of corrosion at inaccessible locations. <i>NDT and E International</i> , 2018 , 99, 80-92	4.1	43
161	Monitoring creep damage at a weld using a potential drop technique. <i>International Journal of Pressure Vessels and Piping</i> , 2017 , 153, 15-25	2.4	6
160	The scattering of torsional guided waves from Gaussian rough surfaces in pipework. <i>Journal of the Acoustical Society of America</i> , 2017 , 141, 1852	2.2	9
159	Efficient generation of receiver operating characteristics for the evaluation of damage detection in practical structural health monitoring applications. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017 , 473, 20160736	2.4	27
158	Study of metal magnetic memory (MMM) technique using permanently installed magnetic sensor arrays 2017 ,		6
157	Experimental studies of the magneto-mechanical memory (MMM) technique using permanently installed magnetic sensor arrays. <i>NDT and E International</i> , 2017 , 92, 136-148	4.1	15
156	Experimental and simulation methods to study the Magnetic Tomography Method (MTM) for pipe defect detection. <i>NDT and E International</i> , 2017 , 92, 59-66	4.1	12
155	Performance evaluation of a magnetic field measurement NDE technique using a model assisted Probability of Detection framework. <i>NDT and E International</i> , 2017 , 91, 61-70	4.1	10
154	Feasibility and Reliability of Grain Noise Suppression in Monitoring of Highly Scattering Materials. <i>Journal of Nondestructive Evaluation</i> , 2017 , 36, 53	2.1	2
153	Potential drop monitoring of creep damage at a weld 2016 ,		2
152	Guided wave tomography performance analysis 2016 ,		4
151	Creep strain measurement using a potential drop technique. <i>International Journal of Mechanical Sciences</i> , 2016 , 110, 190-200	5.5	12
150	Excitation of Single-Mode Lamb Waves at High-Frequency-Thickness Products. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2016 , 63, 303-12	3.2	46
149	. <i>Proceedings of the IEEE</i> , 2016 , 104, 1620-1631	14.3	29
148	Ultrasonic isolation of buried pipes. <i>Journal of Sound and Vibration</i> , 2016 , 363, 225-239	3.9	32
147	Current deflection NDE for pipeline inspection and monitoring 2016 ,		3
146	Guided wave attenuation in coated pipes buried in sand 2016 ,		2

145	Investigation of guided wave propagation in pipes fully and partially embedded in concrete. <i>Journal of the Acoustical Society of America</i> , 2016 , 140, 4528	2.2	14
144	Current deflection NDE for the inspection and monitoring of pipes. <i>NDT and E International</i> , 2016 , 81, 46-59	4.1	33
143	Investigation of guided wave propagation and attenuation in pipe buried in sand. <i>Journal of Sound and Vibration</i> , 2015 , 347, 96-114	3.9	101
142	A Stiffness Reduction Method for efficient absorption of waves at boundaries for use in commercial Finite Element codes. <i>Ultrasonics</i> , 2014 , 54, 1868-79	3.5	42
141	Long-term stability of guided wave structural health monitoring using distributed adhesively bonded piezoelectric transducers. <i>Structural Health Monitoring</i> , 2014 , 13, 265-280	4.4	29
140	Reflection Phase Measurements for Ultrasonic NDE of Titanium Diffusion Bonds. <i>Journal of Nondestructive Evaluation</i> , 2014 , 33, 535-546	2.1	5
139	Potential Drop Strain Sensor for Creep Monitoring 2014 ,		1
138	Numerical design optimization of an EMAT for A0 Lamb wave generation in steel plates 2014 ,		19
137	Investigation of guided waves propagation in pipe buried in sand 2014 ,		3
136	A potential drop strain sensor for in-situ power station creep monitoring 2014 ,		2
135	Non-linear Ultrasonic NDE of Titanium Diffusion Bonds. <i>Journal of Nondestructive Evaluation</i> , 2014 , 33, 187-195	2.1	22
134	Corrosion Monitoring Strategies—Choice Between Area and Point Measurements. <i>Journal of Nondestructive Evaluation</i> , 2013 , 32, 156-163	2.1	17
133	Transient thermography testing of unpainted thermal barrier coating (TBC) systems. <i>NDT and E International</i> , 2013 , 59, 48-56	4.1	30
132	Mode selection for corrosion detection in pipes and vessels via guided wave tomography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013 , 60, 1165-77	3.2	39
131	Experimental and numerical evaluation of electromagnetic acoustic transducer performance on steel materials. <i>NDT and E International</i> , 2012 , 45, 32-38	4.1	54
130	Artificial disbonds for calibration of transient thermography inspection of thermal barrier coating systems. <i>NDT and E International</i> , 2012 , 45, 71-78	4.1	19
129	The effect of complex defect profiles on the reflection of the fundamental torsional mode in pipes. <i>NDT and E International</i> , 2012 , 46, 41-47	4.1	48
128	The reflection of the fundamental torsional mode from pit clusters in pipes. <i>NDT and E International</i> , 2012 , 46, 83-93	4.1	30

127	Potential drop detection of creep damage in the vicinity of welds. <i>NDT and E International</i> , 2012 , 47, 56-65	4.1	11
126	Eddy-current induced thermography probability of detection study of small fatigue cracks in steel, titanium and nickel-based superalloy. <i>NDT and E International</i> , 2012 , 49, 47-56	4.1	83
125	The influence of sharp edges in corrosion profiles on the reflection of guided waves. <i>NDT and E International</i> , 2012 , 52, 57-68	4.1	23
124	A permanently installed guided wave system for pipe monitoring 2012 ,		3
123	Artificial disbonds for calibration of transient thermography inspection of thermal barrier coating systems 2012 ,		1
122	Improving the reliability of automated non-destructive inspection 2012 ,		2
121	High-temperature (>500°C) wall thickness monitoring using dry-coupled ultrasonic waveguide transducers. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011 , 58, 156-67	3.2	83
120	Study and comparison of different EMAT configurations for SH wave inspection. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011 , 58, 2571-81	3.2	113
119	The reflection of guided waves from simple supports in pipes. <i>Journal of the Acoustical Society of America</i> , 2011 , 129, 1869-80	2.2	30
118	Ultrasonic Non-destructive Evaluation of Titanium Diffusion Bonds. <i>Journal of Nondestructive Evaluation</i> , 2011 , 30, 225-236	2.1	17
117	The reflection of the fundamental torsional guided wave from multiple circular holes in pipes. <i>NDT and E International</i> , 2011 , 44, 553-562	4.1	49
116	Continuous Creep Damage Monitoring Using a Novel Potential Drop Technique 2011 ,		1
115	Low-frequency pulse echo reflection of the fundamental shear horizontal mode from part-thickness elliptical defects in plates. <i>Journal of the Acoustical Society of America</i> , 2010 , 127, 3485-93	2.2	28
114	The scattering of the fundamental torsional mode from axi-symmetric defects with varying depth profile in pipes. <i>Journal of the Acoustical Society of America</i> , 2010 , 127, 3440-8	2.2	72
113	Quantitative modeling of the transduction of electromagnetic acoustic transducers operating on ferromagnetic media. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 2808-17	3.2	55
112	Guided wave diffraction tomography within the born approximation. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 1405-18	3.2	73
111	A review of non-destructive techniques for the detection of creep damage in power plant steels. <i>NDT and E International</i> , 2010 , 43, 555-567	4.1	121
110	Potential drop mapping for the monitoring of corrosion or erosion. <i>NDT and E International</i> , 2010 , 43, 394-402	4.1	33

109	Guided wave health monitoring of complex structures by sparse array systems: Influence of temperature changes on performance. <i>Journal of Sound and Vibration</i> , 2010 , 329, 2306-2322	3.9	138
108	An approximate model for three-dimensional alternating current potential drop analyses using a commercial finite element code. <i>NDT and E International</i> , 2010 , 43, 134-140	4.1	13
107	The detectability of cracks using sonic IR. <i>Journal of Applied Physics</i> , 2009 , 105, 093530	2.5	18
106	Potential and Limitations of a Deconvolution Approach for Guided Wave Structural Health Monitoring. <i>Structural Health Monitoring</i> , 2009 , 8, 381-395	4.4	14
105	Feasibility of low frequency straight-ray guided wave tomography. <i>NDT and E International</i> , 2009 , 42, 113-119	4.1	46
104	Feasibility of digital image correlation for detection of cracks at fastener holes. <i>NDT and E International</i> , 2009 , 42, 141-149	4.1	23
103	The application of synthetic focusing for imaging crack-like defects in pipelines using guided waves. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 759-71	3.2	77
102	Development of a low-frequency high purity A0 mode transducer for SHM applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 1457-68	3.2	16
101	Evaluation of the damage detection capability of a sparse-array guided-wave SHM system applied to a complex structure under varying thermal conditions. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 2666-78	3.2	106
100	NON-CONTACT SURFACE WAVE SCANNING OF PAVEMENTS USING A ROLLING MICROPHONE ARRAY. <i>AIP Conference Proceedings</i> , 2008 ,	0	5
99	Scattering of the fundamental shear horizontal mode in a plate when incident at a through crack aligned in the propagation direction of the mode. <i>Journal of the Acoustical Society of America</i> , 2008 , 124, 2873-82	2.2	46
98	A single probe spatial averaging technique for guided waves and its application to surface wave rail inspection. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007 , 54, 2344-56	3.2	9
97	Detection of impact damage in CFRP composites by thermosonics. <i>Nondestructive Testing and Evaluation</i> , 2007 , 22, 71-82	2	28
96	The Guiding of Ultrasound by a Welded Joint in a Plate. <i>AIP Conference Proceedings</i> , 2007 ,	0	5
95	Non-Contact Surface Wave Testing While Moving 2007 ,		1
94	Evaluation of Multilayered Pavement Structures from Measurements of Surface Waves. <i>AIP Conference Proceedings</i> , 2006 ,	0	1
93	A study of the vibro-acoustic modulation technique for the detection of cracks in metals. <i>Journal of the Acoustical Society of America</i> , 2006 , 119, 1463-1475	2.2	105
92	Prediction of the thermosonic signal from fatigue cracks in metals using vibration damping measurements. <i>Journal of Applied Physics</i> , 2006 , 100, 104905	2.5	44

91	Comparison between a type of vibro-acoustic modulation and damping measurement as NDT techniques. <i>NDT and E International</i> , 2006 , 39, 123-131	4.1	18
90	Surface wave modes in rails. <i>Journal of the Acoustical Society of America</i> , 2006 , 120, 733-740	2.2	23
89	The excitation and detection of lamb waves with planar coil electromagnetic acoustic transducers. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005 , 52, 2370-83	3.2	56
88	On the measurement of the Young's modulus of small samples by acoustic interferometry. <i>Journal of the Acoustical Society of America</i> , 2005 , 118, 832-840	2.2	7
87	Omnidirectional guided wave inspection of large metallic plate structures using an EMAT array. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2005 , 52, 653-65	3.2	100
86	Material property measurement using the quasi-Scholte mode's waveguide sensor. <i>Journal of the Acoustical Society of America</i> , 2005 , 117, 1098-1107	2.2	57
85	Measurement of acoustic properties of near-surface soils using an ultrasonic waveguide. <i>Geophysics</i> , 2004 , 69, 460-465	3.1	14
84	The reflection of guided waves from notches in pipes: a guide for interpreting corrosion measurements. <i>NDT and E International</i> , 2004 , 37, 167-180	4.1	177
83	On the nature of shear horizontal wave propagation in elastic plates coated with viscoelastic materials. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2004 , 460, 2197-2221	2.4	28
82	Ultrasonic interferometry for the measurement of shear velocity and attenuation in viscoelastic solids. <i>Journal of the Acoustical Society of America</i> , 2004 , 115, 157-64	2.2	13
81	An EMAT Array for the Rapid Inspection of Large Structures Using Guided Waves. <i>AIP Conference Proceedings</i> , 2003 ,	0	11
80	Long Range Inspection of Rail Using Guided Waves. <i>AIP Conference Proceedings</i> , 2003 ,	0	20
79	Design and construction of a low frequency wide band non-resonant transducer. <i>Ultrasonics</i> , 2003 , 41, 147-55	3.5	7
78	Attenuation characteristics of the fundamental modes that propagate in buried iron water pipes. <i>Ultrasonics</i> , 2003 , 41, 509-19	3.5	69
77	Adhesive disbond detection of automotive components using first mode ultrasonic resonance. <i>NDT and E International</i> , 2003 , 36, 503-514	4.1	30
76	Scattering of the fundamental shear horizontal mode from steps and notches in plates. <i>Journal of the Acoustical Society of America</i> , 2003 , 113, 1880-91	2.2	74
75	The reflection of the fundamental torsional mode from cracks and notches in pipes. <i>Journal of the Acoustical Society of America</i> , 2003 , 114, 611-25	2.2	192
74	A guided wave technique for the characterization of highly attenuative viscoelastic materials. <i>Journal of the Acoustical Society of America</i> , 2003 , 114, 158-65	2.2	41

73	The scattering of guided waves in partly embedded cylindrical structures. <i>Journal of the Acoustical Society of America</i> , 2003 , 113, 1258-72	2.2	36
72	Cure monitoring using ultrasonic guided waves in wires. <i>Journal of the Acoustical Society of America</i> , 2003 , 114, 1303-13	2.2	26
71	Comparison of normal and oblique incidence ultrasonic measurements for the detection of environmental degradation of adhesive joints. <i>NDT and E International</i> , 2002 , 35, 241-253	4.1	19
70	The low frequency reflection characteristics of the fundamental antisymmetric Lamb wave a_0 from a rectangular notch in a plate. <i>Journal of the Acoustical Society of America</i> , 2002 , 112, 2612-22	2.2	161
69	The low-frequency reflection and scattering of the S_0 Lamb mode from a circular through-thickness hole in a plate: Finite Element, analytical and experimental studies. <i>Journal of the Acoustical Society of America</i> , 2002 , 112, 2589-601	2.2	139
68	Guided waves in fluid-filled pipes surrounded by different fluids. <i>Ultrasonics</i> , 2001 , 39, 367-375	3.5	98
67	The effect of dispersion on long-range inspection using ultrasonic guided waves. <i>NDT and E International</i> , 2001 , 34, 1-9	4.1	192
66	The Potential of Guided Waves for Monitoring Large Areas of Metallic Aircraft Fuselage Structure. <i>Journal of Nondestructive Evaluation</i> , 2001 , 20, 29-46	2.1	133
65	Reflection and mode conversion of guided waves at bends in pipes. <i>AIP Conference Proceedings</i> , 2000 ,	0	6
64	Propagation of guided waves in aircraft structure. <i>AIP Conference Proceedings</i> , 2000 ,	0	3
63	Design of a self-calibrating simulated acoustic emission source. <i>Ultrasonics</i> , 2000 , 37, 589-94	3.5	12
62	The rapid monitoring of structures using interdigital Lamb wave transducers. <i>Smart Materials and Structures</i> , 2000 , 9, 304-309	3.4	107
61	Measurement and prediction of diffuse fields in structures. <i>Journal of the Acoustical Society of America</i> , 1999 , 106, 3348-3361	2.2	11
60	Determination of density and elastic constants of a thin phosphoric acid-anodized oxide film by acoustic microscopy. <i>Journal of the Acoustical Society of America</i> , 1999 , 106, 2560-2567	2.2	24
59	Lamb waves in highly attenuative plastic plates. <i>Journal of the Acoustical Society of America</i> , 1998 , 104, 874-881	2.2	48
58	Anomalous behaviour of leaky surface waves for stiffening layer near cutoff. <i>Journal of Applied Physics</i> , 1997 , 82, 1031-1035	2.5	22
57	The use of large ultrasonic transducers to improve transmission coefficient measurements on viscoelastic anisotropic plates. <i>Journal of the Acoustical Society of America</i> , 1997 , 101, 1373-1379	2.2	19
56	A study of the transmission of ultrasound across solid-rubber interfaces. <i>Journal of the Acoustical Society of America</i> , 1997 , 101, 970-981	2.2	45

55	Disperse: A General Purpose Program for Creating Dispersion Curves 1997 , 185-192		183
54	Measurement of the frequency dependence of the ultrasonic reflection coefficient from thin interface layers and partially contacting interfaces. <i>Ultrasonics</i> , 1997 , 35, 479-488	3.5	20
53	Guided wave inspection of chemical plant pipework 1996 ,		1
52	The use of Lamb waves for the long range inspection of large structures. <i>Ultrasonics</i> , 1996 , 34, 287-290	3.5	238
51	The generation, propagation, and detection of Lamb waves in plates using air-coupled ultrasonic transducers. <i>Journal of the Acoustical Society of America</i> , 1996 , 100, 3070-3077	2.2	163
50	The Inspection of Chemical Plant Pipework Using Lamb Waves: Defect Sensitivity and Field Experience 1996 , 1859-1866		7
49	Comparison of the modal properties of a stiff layer embedded in a solid medium with the minima of the plane-wave reflection coefficient. <i>Journal of the Acoustical Society of America</i> , 1995 , 97, 1625-1637	2.2	10
48	The influence of the modal properties of a stiff layer embedded in a solid medium on the field generated in the layer by a finite-sized transducer. <i>Journal of the Acoustical Society of America</i> , 1995 , 97, 1638-1649	2.2	8
47	Guided Waves for the Detection of Defects in Welds in Plastic Pipes 1995 , 1537-1544		3
46	The Long Range Detection of Corrosion in Pipes Using Lamb Waves 1995 , 2073-2080		27
45	An investigation of the accuracy of oblique incidence ultrasonic reflection coefficient measurements. <i>Journal of the Acoustical Society of America</i> , 1994 , 96, 1651-1660	2.2	14
44	The detection of thin embedded layers using normal incidence ultrasound. <i>Ultrasonics</i> , 1994 , 32, 431-440	3.5	61
43	The applicability of plate wave techniques for the inspection of adhesive and diffusion bonded joints. <i>Journal of Nondestructive Evaluation</i> , 1994 , 13, 185-200	2.1	80
42	The non-destructive assessment of porosity in composite repairs. <i>Composites</i> , 1994 , 25, 842-850		10
41	The rapid non-destructive inspection of large composite structures. <i>Composites</i> , 1994 , 25, 351-357		69
40	Lamb wave propagation in composite laminates and its relationship with acousto-ultrasonics. <i>NDT and E International</i> , 1993 , 26, 75-84	4.1	30
39	The interaction of Lamb waves with delaminations in composite laminates. <i>Journal of the Acoustical Society of America</i> , 1993 , 94, 2240-2246	2.2	282
38	A signal regeneration technique for long-range propagation of dispersive Lamb waves. <i>Ultrasonics</i> , 1993 , 31, 201-204	3.5	48

37	The practical application of ultrasonic spectroscopy for the measurement of the cohesive properties of adhesive joints. <i>NDT and E International</i> , 1992 , 25, 65-75	4.1	7
36	Optimization of lamb wave inspection techniques. <i>NDT and E International</i> , 1992 , 25, 11-22	4.1	227
35	Measurement and prediction of the frequency spectrum of piezoelectric disks by modal analysis. <i>Journal of the Acoustical Society of America</i> , 1992 , 92, 3379-3388	2.2	28
34	The finite element analysis of the vibration characteristics of piezoelectric discs. <i>Journal of Sound and Vibration</i> , 1992 , 159, 115-138	3.9	107
33	Transient response of piezoelectric discs to applied voltage pulses. <i>Ultrasonics</i> , 1991 , 29, 208-217	3.5	14
32	A high frequency coin-tap method of non-destructive testing. <i>Mechanical Systems and Signal Processing</i> , 1991 , 5, 1-11	7.8	14
31	Improving the resolution of ultrasonic echoes from thin bondlines using cepstral processing. <i>Journal of Adhesion Science and Technology</i> , 1991 , 5, 667-689	2	2
30	The detection of defects in GRP lattice structures by vibration measurements. <i>NDT and E International</i> , 1991 , 24, 123-134	4.1	6
29	A two-dimensional Fourier transform method for the measurement of propagating multimode signals. <i>Journal of the Acoustical Society of America</i> , 1991 , 89, 1159-1168	2.2	640
28	The detection of delaminations using flexural waves. <i>NDT International</i> , 1990 , 23, 207-213		5
27	Defect types and non-destructive testing techniques for composites and bonded joints. <i>Materials Science and Technology</i> , 1989 , 5, 413-425	1.5	30
26	Defect types and non-destructive testing techniques for composites and bonded joints. <i>Construction and Building Materials</i> , 1989 , 3, 170-183	6.7	22
25	The sensitivity of an NDT instrument based on the membrane resonance method. <i>NDT International</i> , 1989 , 22, 209-216		5
24	Amplitude spectrum method for the measurement of phase velocity. <i>Ultrasonics</i> , 1989 , 27, 270-279	3.5	76
23	The membrane resonance method of non-destructive testing. <i>Journal of Sound and Vibration</i> , 1989 , 130, 299-311	3.9	15
22	The introduction of a problem-based option into a conventional engineering degree course. <i>Studies in Higher Education</i> , 1989 , 14, 83-95	2.6	28
21	The mechanics of the coin-tap method of non-destructive testing. <i>Journal of Sound and Vibration</i> , 1988 , 122, 299-316	3.9	97
20	A review of defect types and nondestructive testing techniques for composites and bonded joints. <i>NDT International</i> , 1988 , 21, 208-222		183

19	Evaluation of the cohesive properties of adhesive joints using ultrasonic spectroscopy. <i>NDT International</i> , 1988 , 21, 233-240		41
18	A quick method for the measurement of structural damping. <i>Mechanical Systems and Signal Processing</i> , 1988 , 2, 39-47	7.8	4
17	The use of the impedance method of non-destructive testing on honeycomb structures. <i>Mechanical Systems and Signal Processing</i> , 1988 , 2, 309-325	7.8	6
16	The ultrasonic vibration characteristics of adhesive joints. <i>Journal of the Acoustical Society of America</i> , 1988 , 83, 632-640	2.2	63
15	The measurement of through thickness plate vibration using a pulsed ultrasonic transducer. <i>Journal of the Acoustical Society of America</i> , 1988 , 83, 623-631	2.2	22
14	THE EFFECTIVENESS OF ENGINEERING DEGREE COURSES. <i>Assessment and Evaluation in Higher Education</i> , 1988 , 13, 228-241	3.1	4
13	A vibration technique for the measurement of contact stiffness. <i>Mechanical Systems and Signal Processing</i> , 1987 , 1, 273-283	7.8	8
12	The sensitivity of the mechanical impedance method of nondestructive testing. <i>NDT International</i> , 1987 , 20, 209-215		42
11	Vibration characteristics of the Mk II Fokker Bond Tester probe. <i>Ultrasonics</i> , 1986 , 24, 318-324	3.5	7
10	The operation of NDT instruments based on the impedance method. <i>Composite Structures</i> , 1985 , 3, 215-228	3.9	13
9	Natural frequency measurements for production quality control of fibre composites. <i>Composites</i> , 1985 , 16, 23-27		21
8	The impedance method of non-destructive inspection. <i>NDT International</i> , 1984 , 17, 59-65		74
7	The use of vibration measurements for the detection of diffuse creep damage. <i>Journal of Strain Analysis for Engineering Design</i> , 1981 , 16, 37-41	1.3	2
6	Errors in mechanical impedance data obtained with impedance heads. <i>Journal of Sound and Vibration</i> , 1980 , 73, 461-468	3.9	17
5	The location of defects in structures from measurements of natural frequencies. <i>Journal of Strain Analysis for Engineering Design</i> , 1979 , 14, 49-57	1.3	927
4	Improved frequency resolution from transient tests with short record lengths. <i>Journal of Sound and Vibration</i> , 1979 , 64, 123-132	3.9	9
3	A Vibration Technique for Non-Destructive Testing of Fibre Composite Structures. <i>Journal of Composite Materials</i> , 1979 , 13, 161-175	2.7	134
2	The Predicted and Experimental Natural Modes of Free-Free CFRP Plates. <i>Journal of Composite Materials</i> , 1978 , 12, 336-347	2.7	37

- 1 Change detection using the generalized likelihood ratio method to improve the sensitivity of guided wave structural health monitoring systems. *Structural Health Monitoring*, 147592172098183 4-4 7