

Peter B Nagy

List of Publications by Year in descending order

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203
papers

5,249
citations

101543

36
h-index

102487

66
g-index

222
all docs

222
docs citations

222
times ranked

2823
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue damage assessment by nonlinear ultrasonic materials characterization. <i>Ultrasonics</i> , 1998, 36, 375-381.	3.9	411
2	Revolutionizing biodegradable metals. <i>Materials Today</i> , 2009, 12, 22-32.	14.2	331
3	Ultrasonic classification of imperfect interfaces. <i>Journal of Nondestructive Evaluation</i> , 1992, 11, 127-139.	2.4	232
4	The use of non-collinear mixing for nonlinear ultrasonic detection of plasticity and fatigue. <i>Journal of the Acoustical Society of America</i> , 2009, 126, EL117-EL122.	1.1	184
5	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.	3.7	149
6	Study and comparison of different EMAT configurations for SH wave inspection. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 2571-2581.	3.0	143
7	Corrosion and erosion monitoring in plates and pipes using constant group velocity Lamb wave inspection. <i>Ultrasonics</i> , 2014, 54, 1832-1841.	3.9	106
8	Ultrasonic detection of kissing bonds at adhesive interfaces. <i>Journal of Adhesion Science and Technology</i> , 1991, 5, 619-630.	2.6	101
9	Nondestructive evaluation of adhesive joints by guided waves. <i>Journal of Applied Physics</i> , 1989, 66, 4658-4663.	2.5	89
10	Surface roughness induced attenuation of reflected and transmitted ultrasonic waves. <i>Journal of the Acoustical Society of America</i> , 1987, 82, 193-197.	1.1	72
11	Experimental and numerical evaluation of electromagnetic acoustic transducer performance on steel materials. <i>NDT and E International</i> , 2012, 45, 32-38.	3.7	70
12	Guided wave tomography of pipes with high-order helical modes. <i>NDT and E International</i> , 2014, 65, 8-21.	3.7	69
13	Eddy Current Assessment of Near-Surface Residual Stress in Shot-Peened Nickel-Base Superalloys. <i>Journal of Nondestructive Evaluation</i> , 2004, 23, 107-123.	2.4	68
14	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, 2808-2817.	3.0	65
15	Non-collinear wave mixing for non-linear ultrasonic detection of physical ageing in PVC. <i>NDT and E International</i> , 2012, 49, 34-39.	3.7	65
16	The impact of magnetostriction on the transduction of normal bias field EMATs. <i>NDT and E International</i> , 2012, 51, 8-15.	3.7	64
17	Slow wave propagation in air-filled porous materials and natural rocks. <i>Applied Physics Letters</i> , 1990, 56, 2504-2506.	3.3	62
18	Longitudinal guided wave propagation in a transversely isotropic rod immersed in fluid. <i>Journal of the Acoustical Society of America</i> , 1995, 98, 454-457.	1.1	61

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19	Surface roughness and the ultrasonic detection of subsurface scatterers. Journal of Applied Physics, 1993, 73, 566-580.	2.5	60
20	Excess attenuation of leaky Lamb waves due to viscous fluid loading. Journal of the Acoustical Society of America, 1997, 101, 2649-2658.	1.1	57
21	General study of axisymmetric waves in layered anisotropic fibers and their composites. Journal of the Acoustical Society of America, 1996, 99, 931-941.	1.1	50
22	Weep hole inspection by circumferential creeping waves. NDT and E International, 1994, 27, 131-142.	3.7	49
23	Simple analytical approximations for eddy current profiling of the near-surface residual stress in shot-peened metals. Journal of Applied Physics, 2004, 96, 1257-1266.	2.5	47
24	High-frequency eddy current conductivity spectroscopy for residual stress profiling in surface-treated nickel-base superalloys. NDT and E International, 2007, 40, 405-418.	3.7	47
25	Dynamic Piezoresistivity Calibration for Eddy Current Nondestructive Residual Stress Measurements. Journal of Nondestructive Evaluation, 2005, 24, 143-143.	2.4	44
26	Diffraction correction for precision surface acoustic wave velocity measurements. Journal of the Acoustical Society of America, 2002, 112, 835-842.	1.1	43
27	Current deflection NDE for the inspection and monitoring of pipes. NDT and E International, 2016, 81, 46-59.	3.7	42
28	Observation of a new surface mode on a fluid-saturated permeable solid. Applied Physics Letters, 1992, 60, 2735-2737.	3.3	41
29	Viscosity-induced attenuation of longitudinal guided waves in fluid-loaded rods. Journal of the Acoustical Society of America, 1996, 100, 1501-1508.	1.1	40
30	Enhanced ultrasonic detection of fatigue cracks by laser-induced crack closure. Journal of Applied Physics, 1998, 83, 7453-7460.	2.5	40
31	On the low-frequency oscillation of a fluid layer between two elastic plates. Journal of the Acoustical Society of America, 1997, 102, 3343-3348.	1.1	39
32	Analytical and numerical modeling of non-collinear shear wave mixing at an imperfect interface. Ultrasonics, 2016, 65, 165-176.	3.9	39
33	Laser-ultrasonic surface wave dispersion measurements on surface-treated metals. Ultrasonics, 2004, 42, 665-669.	3.9	38
34	Potential drop mapping for the monitoring of corrosion or erosion. NDT and E International, 2010, 43, 394-402.	3.7	38
35	On the thermoelectric magnetic field of spherical and cylindrical inclusions. Journal of Applied Physics, 2000, 87, 7481-7490.	2.5	37
36	The Effect of Hardness on Eddy Current Residual Stress Profiling in Shot-Peened Nickel Alloys. Journal of Nondestructive Evaluation, 2010, 29, 143-153.	2.4	37

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37	On the role of interface imperfections in thermoelectric nondestructive materials characterization. Applied Physics Letters, 1998, 73, 467-469.	3.3	35
38	Eddy current residual stress profiling in surface-treated engine alloys. Nondestructive Testing and Evaluation, 2009, 24, 209-232.	2.1	34
39	Experimental measurements of surface stiffness on water-saturated porous solids. Journal of the Acoustical Society of America, 1994, 95, 828-835.	1.1	33
40	Slow wave propagation in air-filled permeable solids. Journal of the Acoustical Society of America, 1993, 93, 3224-3234.	1.1	32
41	Lift-off effect in high-frequency eddy current conductivity spectroscopy. NDT and E International, 2007, 40, 555-565.	3.7	32
42	Ultrasonic NDE of solid-state bonds: Inertia and friction welds. Journal of Nondestructive Evaluation, 1988, 7, 199-215.	2.4	31
43	On the Influence of Cold Work on Eddy Current Characterization of Near-Surface Residual Stress in Shot-Peened Nickel-Base Superalloys. Journal of Nondestructive Evaluation, 2006, 25, 107-122.	2.4	29
44	On the acoustic-radiation-induced strain and stress in elastic solids with quadratic nonlinearity (L). Journal of the Acoustical Society of America, 2011, 129, 3449-3452.	1.1	29
45	Finite-size effects on the quasistatic displacement pulse in a solid specimen with quadratic nonlinearity. Journal of the Acoustical Society of America, 2013, 134, 1760-1774.	1.1	29
46	Non-linear Ultrasonic NDE of Titanium Diffusion Bonds. Journal of Nondestructive Evaluation, 2014, 33, 187-195.	2.4	28
47	Measurements of acoustic surface waves on fluid-filled porous rocks. Journal of Geophysical Research, 1994, 99, 17863-17869.	3.3	27
48	Iterative inversion method for eddy current profiling of near-surface residual stress in surface-treated metals. NDT and E International, 2006, 39, 641-651.	3.7	27
49	Ultrasonic assessment of Poisson's ratio in thin rods. Journal of the Acoustical Society of America, 1995, 98, 2694-2701.	1.1	26
50	Circumferential creeping waves around a fluid-filled cylindrical cavity in an elastic medium. Journal of the Acoustical Society of America, 1997, 101, 2496-2503.	1.1	26
51	Numerical method for calculating the apparent eddy current conductivity loss on randomly rough surfaces. Journal of Applied Physics, 2004, 95, 8340-8351.	2.5	26
52	Sensitivity analysis of a directional potential drop sensor for creep monitoring. NDT and E International, 2011, 44, 708-717.	3.7	26
53	Anisotropic grain noise in eddy current inspection of noncubic polycrystalline metals. Applied Physics Letters, 1998, 72, 1045-1047.	3.3	25
54	Thermoelectric detection of spherical tin inclusions in copper by magnetic sensing. Journal of Applied Physics, 2000, 88, 6495-6500.	2.5	25

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55	Role of anisotropy in noncontacting thermoelectric materials characterization. Journal of Applied Physics, 2002, 91, 225.	2.5	25
56	Ultrasonic Non-destructive Evaluation of Titanium Diffusion Bonds. Journal of Nondestructive Evaluation, 2011, 30, 225-236.	2.4	24
57	Pulse propagation in an elastic medium with quadratic nonlinearity (L). Journal of the Acoustical Society of America, 2012, 131, 1827-1830.	1.1	24
58	On the dimensionality of elastic wave scattering within heterogeneous media. Journal of the Acoustical Society of America, 2016, 140, 4360-4366.	1.1	24
59	Guided Wave Tomography of Pipe Bends. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 847-858.	3.0	24
60	In-situ interfacial quality assessment of Ultrasonic Additive Manufacturing components using ultrasonic NDE. NDT and E International, 2018, 93, 117-130.	3.7	24
61	Excitation of surface waves of different modes at fluid-porous solid interface. Journal of the Acoustical Society of America, 1986, 79, 249-252.	1.1	22
62	Model-Based Design of Low Frequency Lamb Wave EMATs for Mode Selectivity. Journal of Nondestructive Evaluation, 2015, 34, 1.	2.4	22
63	Experimental studies of the magneto-mechanical memory (MMM) technique using permanently installed magnetic sensor arrays. NDT and E International, 2017, 92, 136-148.	3.7	22
64	Focal shift of convergent ultrasonic beams reflected from a liquid-solid interface. Journal of the Acoustical Society of America, 1987, 81, 835-839.	1.1	21
65	Evaluation of friction-welded aluminum-steel bonds using dispersive guided modes of a layered substrate. Journal of Applied Physics, 1990, 68, 6072-6076.	2.5	21
66	On the origin of the anomalies in the reflected ultrasonic spectra from periodic surfaces. Journal of the Acoustical Society of America, 1989, 86, 429-431.	1.1	20
67	Thermo-optical modulation for improved ultrasonic fatigue crack detection in Ti-6Al-4V. NDT and E International, 2000, 33, 213-223.	3.7	20
68	A simple numerical model of the apparent loss of eddy current conductivity due to surface roughness. NDT and E International, 2004, 37, 47-56.	3.7	20
69	Numerical design optimization of an EMAT for A0 Lamb wave generation in steel plates. , 2014, , .		20
70	Compensation of the Skin Effect in Low-Frequency Potential Drop Measurements. Journal of Nondestructive Evaluation, 2016, 35, 1.	2.4	20
71	Monitoring and repair of defects in ultrasonic additive manufacturing. International Journal of Advanced Manufacturing Technology, 2020, 108, 1793-1810.	3.0	20
72	Experimental and simulation methods to study the Magnetic Tomography Method (MTM) for pipe defect detection. NDT and E International, 2017, 92, 59-66.	3.7	18

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73	Scattering of the Fundamental Shear Guided Wave From a Surface-Breaking Crack in Plate-Like Structures. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1887-1897.	3.0	18
74	On the role of material property gradients in noncontacting thermoelectric NDE. NDT and E International, 2003, 36, 339-348.	3.7	17
75	An approximate model for three-dimensional alternating current potential drop analyses using a commercial finite element code. NDT and E International, 2010, 43, 134-140.	3.7	16
76	Non-destructive methods for materials' state awareness monitoring. Insight: Non-Destructive Testing and Condition Monitoring, 2010, 52, 61-71.	0.6	16
77	On the separation of Lorentz and magnetization forces in the transduction mechanism of Electromagnetic Acoustic Transducers (EMATs). NDT and E International, 2016, 84, 1-10.	3.7	16
78	On the origin of increased backward radiation from a liquid-solids interface at the Rayleigh angle. Journal of the Acoustical Society of America, 1989, 85, 1355-1357.	1.1	15
79	Acoustic material signature from frequency analysis. Journal of Applied Physics, 1990, 67, 3876-3878.	2.5	15
80	Acoustic double-reflection and transmission at a rough water-solids interface. Journal of the Acoustical Society of America, 1994, 95, 3242-3251.	1.1	15
81	Acoustic formulation of elastic guided wave propagation and scattering in curved tubular structures. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 815-829.	3.0	15
82	Creep strain measurement using a potential drop technique. International Journal of Mechanical Sciences, 2016, 110, 190-200.	6.7	15
83	Attenuation of Rayleigh waves due to surface roughness. Journal of the Acoustical Society of America, 2021, 149, 4298-4308.	1.1	15
84	Improved materials characterization by pressure-dependent ultrasonic attenuation in air-filled permeable solids. Applied Physics Letters, 1996, 68, 3707-3709.	3.3	14
85	Analyses of axisymmetric waves in layered piezoelectric rods and their composites. Journal of the Acoustical Society of America, 2000, 108, 1496-1504.	1.1	14
86	Far-field radiation of a vibrating point source in anisotropic media. Journal of Nondestructive Evaluation, 1991, 10, 71-78.	2.4	13
87	Performance evaluation of a magnetic field measurement NDE technique using a model assisted Probability of Detection framework. NDT and E International, 2017, 91, 61-70.	3.7	13
88	Stress Assessment in Precipitation Hardened IN718 Nickel-Base Superalloy Based on Hall Coefficient Measurements. Journal of Nondestructive Evaluation, 2017, 36, 1.	2.4	13
89	Generalized formula for the surface stiffness of fluid-saturated porous media containing parallel pore channels. Applied Physics Letters, 1995, 67, 1827-1829.	3.3	12
90	Thermo-optical modulation of ultrasonic surface waves for NDE. Ultrasonics, 2002, 40, 689-696.	3.9	12

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91	Investigation of ultrasonic backscatter using three-dimensional finite element simulations. Journal of the Acoustical Society of America, 2019, 145, 1584-1595.	1.1	12
92	Leaky guided wave propagation along imperfectly bonded fibers in composite materials. Journal of Nondestructive Evaluation, 1994, 13, 137-145.	2.4	11
93	Why fluid loading has an opposite effect on the velocity of dilatational waves in thin plates and rods. Journal of the Acoustical Society of America, 1997, 102, 3478-3483.	1.1	11
94	Potential drop detection of creep damage in the vicinity of welds. NDT and E International, 2012, 47, 56-65.	3.7	11
95	Slow wave imaging of permeable rocks. Geophysical Research Letters, 1995, 22, 1053-1056.	4.0	10
96	RECENT IMPROVEMENTS IN HIGH-FREQUENCY EDDY CURRENT CONDUCTIVITY SPECTROSCOPY. AIP Conference Proceedings, 2008, , .	0.4	10
97	Experimental Validation of a Fast Forward Model for Guided Wave Tomography of Pipe Elbows. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 859-871.	3.0	10
98	Acoustic Nonlinearities in Adhesive Joints. , 1990, , 1685-1692.		10
99	Eddy Current Assessment of Near-Surface Residual Stress in Shot-Peened Inhomogeneous Nickel-Base Superalloys. Journal of Nondestructive Evaluation, 2006, 25, 16-27.	2.4	9
100	CONSTANT GROUP VELOCITY ULTRASONIC GUIDED WAVE INSPECTION FOR CORROSION AND EROSION MONITORING IN PIPES. , 2009, , .		9
101	Hall coefficient measurement for nondestructive materials characterization. , 2013, , .		9
102	Reflection Phase Measurements for Ultrasonic NDE of Titanium Diffusion Bonds. Journal of Nondestructive Evaluation, 2014, 33, 535-546.	2.4	9
103	A Quasi-DC Potential Drop Measurement System for Material Testing. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1313-1326.	4.7	9
104	Simplified expressions for the displacements and stresses produced by the Rayleigh wave. Journal of the Acoustical Society of America, 1998, 104, 3107-3110.	1.1	8
105	Increased incoherent backscattering from a liquid-solids interface at the Rayleigh angle. Journal of the Acoustical Society of America, 1994, 96, 2537-2545.	1.1	7
106	5. Acoustics and Ultrasonics. Experimental Methods in the Physical Sciences, 1999, , 161-221.	0.1	7
107	On the Feasibility of Eddy Current Characterization of the Near-Surface Residual Stress Distribution in Nickel-Base Superalloys. AIP Conference Proceedings, 2004, , .	0.4	7
108	High-Frequency Eddy Current Conductivity Spectroscopy for Near-Surface Residual Stress Profiling in Surface-Treated Nickel-Base Superalloys. AIP Conference Proceedings, 2007, , .	0.4	7

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109	Improved thermoelectric power measurements using a four-point technique. NDT and E International, 2018, 94, 92-100.	3.7	7
110	Inversion procedure for dual-mode electromagnetic nondestructive characterization of shot-peened IN718. NDT and E International, 2019, 101, 17-28.	3.7	7
111	Residual stress and cold work assessment in shot-peened IN718 using a dual-mode electromagnetic technique. NDT and E International, 2021, 121, 102463.	3.7	7
112	Scattering Induced Attenuation of Ultrasonic Backscattering. , 1988, , 1263-1271.		7
113	Identification of Distributed Fatigue Cracking by Dynamic Crack-Closure. , 1995, , 1979-1986.		7
114	Effective ultrasonic transmission coefficient for randomly rough surfaces. Journal of the Acoustical Society of America, 1996, 100, 832-839.	1.1	6
115	On the anomalously low attenuation of the leaky Rayleigh wave in a fluid-filled cylindrical cavity. Journal of the Acoustical Society of America, 1998, 104, 1246-1255.	1.1	6
116	Opportunities and Challenges for Nondestructive Residual Stress Assessment. AIP Conference Proceedings, 2006, , .	0.4	6
117	THE FEASIBILITY OF EDDY CURRENT CONDUCTIVITY SPECTROSCOPY FOR NEAR-SURFACE COLD WORK PROFILING IN TITANIUM ALLOYS. AIP Conference Proceedings, 2008, , .	0.4	6
118	Monitoring creep damage at a weld using a potential drop technique. International Journal of Pressure Vessels and Piping, 2017, 153, 15-25.	2.6	6
119	Study of metal magnetic memory (MMM) technique using permanently installed magnetic sensor arrays. AIP Conference Proceedings, 2017, , .	0.4	6
120	A Novel Technique for Interface Wave Generation. , 1991, , 529-535.		6
121	Local variations of slow wave attenuation in air-filled permeable materials. Journal of the Acoustical Society of America, 1996, 99, 914-919.	1.1	5
122	Experimental verification of the opposite effect of fluid loading on the velocity of dilatational waves in thin plates and rods. Journal of the Acoustical Society of America, 1999, 105, 3026-3034.	1.1	5
123	MATERIAL GAUGE FACTOR OF DIRECTIONAL ELECTRIC POTENTIAL DROP SENSORS FOR CREEP MONITORING. AIP Conference Proceedings, 2011, , .	0.4	5
124	IN-SITU CREEP MONITORING USING THE POTENTIAL DROP METHOD. , 2011, , .		5
125	On the feasibility of nonlinear assessment of fatigue damage in hardened IN718 specimens based on non-collinear shear wave mixing. AIP Conference Proceedings, 2016, , .	0.4	5
126	Nondestructive Measurement of Hall Coefficient for Materials Characterization. Journal of Nondestructive Evaluation, 2017, 36, 1.	2.4	5

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127	Permanently installed corrosion monitoring using magnetic measurement of current deflection. Structural Health Monitoring, 2018, 17, 227-239.	7.5	5
128	Ultrasonic Inspection, Material Noise and Surface Roughness. , 1993, , 1767-1774.		5
129	On the Thermoelectric Effect of Interface Imperfections. , 1999, , 1487-1494.		5
130	Thermo-Electric Detection of Early Fatigue Damage in Metals. , 1998, , 1573-1580.		5
131	Edge weld penetration assessment using the potential drop technique. NDT and E International, 1998, 31, 1-10.	3.7	4
132	Experimental Investigation of the Grain Noise in Interferometric Detection of Ultrasonic Waves. Journal of Nondestructive Evaluation, 1999, 18, 139-147.	2.4	4
133	EVALUATION OF ELECTROMAGNETIC ACOUSTIC TRANSDUCER PERFORMANCE ON STEEL MATERIALS. , 2011, , .		4
134	Potential drop monitoring of creep damage at a weld. AIP Conference Proceedings, 2016, , .	0.4	4
135	High-frequency Hall coefficient measurement using inductive sensing for nondestructive materials characterization. NDT and E International, 2018, 94, 109-119.	3.7	4
136	Diffraction correction for a radiation force measurement on an infinite plane target. Journal of the Acoustical Society of America, 1986, 79, 1794-1797.	1.1	3
137	LIMITATIONS OF EDDY CURRENT RESIDUAL STRESS PROFILING IN SURFACE-TREATED ENGINE ALLOYS OF VARIOUS HARDNESS LEVELS. , 2010, , .		3
138	MODELLING OF ELECTROMAGNETIC ACOUSTIC TRANSDUCERS OPERATING ON FERROMAGNETIC MATERIALS. , 2010, , .		3
139	Development of Nitinol Stents: Electropolishing Experiments. Materials Science Forum, 2012, 729, 436-441.	0.3	3
140	Numerical study of material nonlinearity assessment based on non-collinear ultrasonic wave mixing. AIP Conference Proceedings, 2015, , .	0.4	3
141	Current deflection NDE for pipeline inspection and monitoring. AIP Conference Proceedings, 2016, , .	0.4	3
142	Improved Laser Interferometry for Ultrasonic NDE. , 1993, , 527-538.		3
143	Interface Characterization by True Guided Modes. , 1991, , 1295-1302.		3
144	Random speckle modulation technique for laser interferometry. Journal of Nondestructive Evaluation, 1992, 11, 41-49.	2.4	2

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145	The Role of Cold Work in Eddy Current Residual Stress Measurements in Shot-Peened Nickel-Base Superalloys. AIP Conference Proceedings, 2006, , .	0.4	2
146	Iterative Inversion Method for Eddy Current Evaluation of Near-Surface Residual Stress Profile in Surface-Treated Metals. AIP Conference Proceedings, 2007, , .	0.4	2
147	Crack Profile Reconstruction by Means of Potential Drop Measurements. AIP Conference Proceedings, 2007, , .	0.4	2
148	ON THE INFLUENCE OF COLD WORK ON RESISTIVITY VARIATIONS WITH THERMAL EXPOSURE IN IN-718 NICKEL-BASE SUPERALLOY. , 2010, , .		2
149	Laser Cutting of Small Diameter Nitinol Tube. Materials Science Forum, 2012, 729, 460-463.	0.3	2
150	Reflection and diffraction corrections for nonlinear materials characterization by quasi-static pulse measurement. , 2014, , .		2
151	A potential drop strain sensor for in-situ power station creep monitoring. , 2014, , .		2
152	NDT Techniques: Electrical. , 2016, , .		2
153	Enhanced nonlinear inspection of diffusion bonded interfaces using reflected non-collinear ultrasonic wave mixing. AIP Conference Proceedings, 2016, , .	0.4	2
154	Hall coefficient measurement for residual stress assessment in precipitation hardened IN718 nickel-base superalloy. AIP Conference Proceedings, 2017, , .	0.4	2
155	Designing an in-situ ultrasonic nondestructive evaluation system for ultrasonic additive manufacturing. AIP Conference Proceedings, 2018, , .	0.4	2
156	The influence of the dynamic magnetoelastic effect on potential drop measurements. NDT and E International, 2019, 102, 153-160.	3.7	2
157	Feasibility of Fatigue Crack Detection in Fluid-Filled Cylindrical Holes Using Circumferential Creeping Waves. , 1997, , 43-50.		2
158	Eddy Current Evaluation of Electrical Anisotropy in Polycrystalline Ti-6AL-4V. , 1999, , 1709-1716.		2
159	Helicopter blade tracking by laser light. Optics and Laser Technology, 1982, 14, 299-302.	4.6	1
160	Low amplitude measurement by direct lock-in ESPI, a proposal. Optics Communications, 1983, 47, 18-22.	2.1	1
161	Attenuation of Reflected and Transmitted Ultrasonic Waves Through a Rough Interface. , 1987, , .		1
162	Grain noise in interferometric detection of ultrasonic vibrations: Experimental study. , 1999, , .		1

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163	Eddy Current Nondestructive Residual Stress Assessment in Shot-Peened Nickel-Base Superalloys. AIP Conference Proceedings, 2005, , .	0.4	1
164	Inversion Procedure for Eddy Current Profiling of the Near-Surface Residual Stress in Shot-Peened Metals. AIP Conference Proceedings, 2005, , .	0.4	1
165	Near-Surface Residual Stress Assessment in Inhomogeneous Nickel-Base Superalloys. AIP Conference Proceedings, 2006, , .	0.4	1
166	IN-SITU RESISTIVITY MONITORING OF MICROSTRUCTURE EVOLUTION IN IN718 NICKEL-BASE SUPERALLOY. , 2009, , .		1
167	Continuous Creep Damage Monitoring Using a Novel Potential Drop Technique. , 2011, , .		1
168	GEOMETRICAL GAUGE FACTOR OF DIRECTIONAL ELECTRIC POTENTIAL DROP SENSORS FOR CREEP MONITORING. , 2011, , .		1
169	Assessment of the performance of different EMAT configurations for shear horizontal and torsional waves. , 2012, , .		1
170	Potential drop detection of creep damage in the vicinity of welds. , 2012, , .		1
171	Potential Drop Strain Sensor for Creep Monitoring. , 2014, , .		1
172	Analytical and numerical modeling of non-collinear shear wave mixing at an imperfect interface. AIP Conference Proceedings, 2016, , .	0.4	1
173	Nondestructive hall coefficient measurements using ACPD techniques. AIP Conference Proceedings, 2018, , .	0.4	1
174	Passive thermoelectric power monitoring for material characterisation. Structural Health Monitoring, 2019, 18, 1915-1927.	7.5	1
175	Design optimisation of permanently installed monitoring system for polycrystalline materials. Structural Health Monitoring, 2021, 20, 1294-1311.	7.5	1
176	Surface Roughness and Ultrasonic Materials Characterization. , 1994, , 79-86.		1
177	Dispersive Properties of Leaky Interface Waves in Adhesive Layers. , 1990, , 1247-1254.		1
178	Experimental Investigation of Ultrasonic Vibrations of Thin Fibers Embedded in Matrix. , 1993, , 1499-1506.		1
179	Novel Nondestructive Evaluation Techniques for Inertia-Friction Welds in a SiC-Reinforced High-Temperature Aluminum Alloy. , 1995, , 1545-1552.		1
180	Experimental Observation of the Slow Squirting Mode in Solid/Fluid/Solid Trilayers. , 1998, , 169-176.		1

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181	Scanning Acoustic Microscopy for Grain Structure Studies. , 1991, , 95-108.		1
182	Background rejection in schlieren visualization. Ultrasonics, 1983, 21, 107-108.	3.9	0
183	Diffraction scanner for ultrasonic reflection coefficient measurement. Journal of the Acoustical Society of America, 1986, 79, 571-572.	1.1	0
184	Continuous Monitoring of Binary Gas Mixture Concentration With Application to Turbine Blade Cooling Experiments. Journal of Turbomachinery, 2000, 122, 570-578.	1.7	0
185	Improved ultrasonic detection of fatigue cracks in Ti-6Al-4V by thermo-optical modulation. AIP Conference Proceedings, 2000, , .	0.4	0
186	Piezoresistive Effect for Near-Surface Eddy Current Residual Stress Assessment. AIP Conference Proceedings, 2005, , .	0.4	0
187	Potential Drop Spectroscopy for Characterization of Complex Defects. AIP Conference Proceedings, 2006, , .	0.4	0
188	POTENTIAL DROP DATA INVERSION FOR CRACK DEPTH PROFILING. AIP Conference Proceedings, 2008, , .	0.4	0
189	POTENTIAL DROP MAPPING FOR CORROSION MONITORING. , 2009, , .		0
190	Ultrasonic NDE of titanium diffusion bonds using signal phase. AIP Conference Proceedings, 2013, , .	0.4	0
191	Thermal stability of curved ray tomography for corrosion monitoring. , 2014, , .		0
192	Guided wave radiation from a point source in the proximity of a pipe bend. , 2014, , .		0
193	Equivalent body-force model for magnetostrictive transduction in EMATs. , 2015, , .		0
194	Potential drop strain measurement for creep monitoring. , 2015, , .		0
195	High-frequency hall coefficient spectroscopy for nondestructive characterization of shot-peened IN718. AIP Conference Proceedings, 2019, , .	0.4	0
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