

Peter B Nagy

List of Publications by Year in descending order

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203
papers

5,249
citations

101384

36
h-index

102304

66
g-index

222
all docs

222
docs citations

222
times ranked

2823
citing authors

#	ARTICLE	IF	CITATIONS
1	Design optimisation of permanently installed monitoring system for polycrystalline materials. Structural Health Monitoring, 2021, 20, 1294-1311.	4.3	1
2	Attenuation of Rayleigh waves due to surface roughness. Journal of the Acoustical Society of America, 2021, 149, 4298-4308.	0.5	15
3	Residual stress and cold work assessment in shot-peened IN718 using a dual-mode electromagnetic technique. NDT and E International, 2021, 121, 102463.	1.7	7
4	A Quasi-DC Potential Drop Measurement System for Material Testing. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1313-1326.	2.4	9
5	Monitoring and repair of defects in ultrasonic additive manufacturing. International Journal of Advanced Manufacturing Technology, 2020, 108, 1793-1810.	1.5	20
6	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.	1.7	18
7	High-frequency hall coefficient spectroscopy for nondestructive characterization of shot-peened IN718. AIP Conference Proceedings, 2019, , .	0.3	0
8	Investigation of ultrasonic backscatter using three-dimensional finite element simulations. Journal of the Acoustical Society of America, 2019, 145, 1584-1595.	0.5	12
9	The influence of the dynamic magnetoelastic effect on potential drop measurements. NDT and E International, 2019, 102, 153-160.	1.7	2
10	Passive thermoelectric power monitoring for material characterisation. Structural Health Monitoring, 2019, 18, 1915-1927.	4.3	1
11	Inversion procedure for dual-mode electromagnetic nondestructive characterization of shot-peened IN718. NDT and E International, 2019, 101, 17-28.	1.7	7
12	Improved thermoelectric power measurements using a four-point technique. NDT and E International, 2018, 94, 92-100.	1.7	7
13	High-frequency Hall coefficient measurement using inductive sensing for nondestructive materials characterization. NDT and E International, 2018, 94, 109-119.	1.7	4
14	In-situ interfacial quality assessment of Ultrasonic Additive Manufacturing components using ultrasonic NDE. NDT and E International, 2018, 93, 117-130.	1.7	24
15	Permanently installed corrosion monitoring using magnetic measurement of current deflection. Structural Health Monitoring, 2018, 17, 227-239.	4.3	5
16	Designing an in-situ ultrasonic nondestructive evaluation system for ultrasonic additive manufacturing. AIP Conference Proceedings, 2018, , .	0.3	2
17	Nondestructive hall coefficient measurements using ACPD techniques. AIP Conference Proceedings, 2018, , .	0.3	1
18	Monitoring creep damage at a weld using a potential drop technique. International Journal of Pressure Vessels and Piping, 2017, 153, 15-25.	1.2	6

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19	Nondestructive Measurement of Hall Coefficient for Materials Characterization. Journal of Nondestructive Evaluation, 2017, 36, 1.	1.1	5
20	Study of metal magnetic memory (MMM) technique using permanently installed magnetic sensor arrays. AIP Conference Proceedings, 2017, , .	0.3	6
21	Guided Wave Tomography of Pipe Bends. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 847-858.	1.7	24
22	Hall coefficient measurement for residual stress assessment in precipitation hardened IN718 nickel-base superalloy. AIP Conference Proceedings, 2017, , .	0.3	2
23	Experimental studies of the magneto-mechanical memory (MMM) technique using permanently installed magnetic sensor arrays. NDT and E International, 2017, 92, 136-148.	1.7	22
24	Experimental and simulation methods to study the Magnetic Tomography Method (MTM) for pipe defect detection. NDT and E International, 2017, 92, 59-66.	1.7	18
25	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.	1.7	13
26	Stress Assessment in Precipitation Hardened IN718 Nickel-Base Superalloy Based on Hall Coefficient Measurements. Journal of Nondestructive Evaluation, 2017, 36, 1.	1.1	13
27	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.	1.7	10
28	NDT Techniques: Electrical. , 2016, , .		2
29	Current deflection NDE for pipeline inspection and monitoring. AIP Conference Proceedings, 2016, , .	0.3	3
30	Analytical and numerical modeling of non-collinear shear wave mixing at an imperfect interface. AIP Conference Proceedings, 2016, , .	0.3	1
31	Enhanced nonlinear inspection of diffusion bonded interfaces using reflected non-collinear ultrasonic wave mixing. AIP Conference Proceedings, 2016, , .	0.3	2
32	On the feasibility of nonlinear assessment of fatigue damage in hardened IN718 specimens based on non-collinear shear wave mixing. AIP Conference Proceedings, 2016, , .	0.3	5
33	On the dimensionality of elastic wave scattering within heterogeneous media. Journal of the Acoustical Society of America, 2016, 140, 4360-4366.	0.5	24
34	Current deflection NDE for the inspection and monitoring of pipes. NDT and E International, 2016, 81, 46-59.	1.7	42
35	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.	1.7	16
36	Potential drop monitoring of creep damage at a weld. AIP Conference Proceedings, 2016, , .	0.3	4

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37	Compensation of the Skin Effect in Low-Frequency Potential Drop Measurements. Journal of Nondestructive Evaluation, 2016, 35, 1.	1.1	20
38	Analytical and numerical modeling of non-collinear shear wave mixing at an imperfect interface. Ultrasonics, 2016, 65, 165-176.	2.1	39
39	Creep strain measurement using a potential drop technique. International Journal of Mechanical Sciences, 2016, 110, 190-200.	3.6	15
40	Numerical study of material nonlinearity assessment based on non-collinear ultrasonic wave mixing. AIP Conference Proceedings, 2015, , .	0.3	3
41	Equivalent body-force model for magnetostrictive transduction in EMATs. , 2015, , .		0
42	Potential drop strain measurement for creep monitoring. , 2015, , .		0
43	Model-Based Design of Low Frequency Lamb Wave EMATs for Mode Selectivity. Journal of Nondestructive Evaluation, 2015, 34, 1.	1.1	22
44	Reflection Phase Measurements for Ultrasonic NDE of Titanium Diffusion Bonds. Journal of Nondestructive Evaluation, 2014, 33, 535-546.	1.1	9
45	Potential Drop Strain Sensor for Creep Monitoring. , 2014, , .		1
46	Thermal stability of curved ray tomography for corrosion monitoring. , 2014, , .		0
47	Numerical design optimization of an EMAT for A0 Lamb wave generation in steel plates. , 2014, , .		20
48	Reflection and diffraction corrections for nonlinear materials characterization by quasi-static pulse measurement. , 2014, , .		2
49	Guided wave radiation from a point source in the proximity of a pipe bend. , 2014, , .		0
50	A potential drop strain sensor for in-situ power station creep monitoring. , 2014, , .		2
51	Non-linear Ultrasonic NDE of Titanium Diffusion Bonds. Journal of Nondestructive Evaluation, 2014, 33, 187-195.	1.1	28
52	Corrosion and erosion monitoring in plates and pipes using constant group velocity Lamb wave inspection. Ultrasonics, 2014, 54, 1832-1841.	2.1	106
53	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.	1.7	15
54	Guided wave tomography of pipes with high-order helical modes. NDT and E International, 2014, 65, 8-21.	1.7	69

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55	Hall coefficient measurement for nondestructive materials characterization. , 2013, , .		9
56	Ultrasonic NDE of titanium diffusion bonds using signal phase. AIP Conference Proceedings, 2013, , .	0.3	0
57	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.	0.5	29
58	Pulse propagation in an elastic medium with quadratic nonlinearity (L). Journal of the Acoustical Society of America, 2012, 131, 1827-1830.	0.5	24
59	Laser Cutting of Small Diameter Nitinol Tube. Materials Science Forum, 2012, 729, 460-463.	0.3	2
60	Development of Nitinol Stents: Electropolishing Experiments. Materials Science Forum, 2012, 729, 436-441.	0.3	3
61	Assessment of the performance of different EMAT configurations for shear horizontal and torsional waves. , 2012, , .		1
62	Potential drop detection of creep damage in the vicinity of welds. , 2012, , .		1
63	The impact of magnetostriction on the transduction of normal bias field EMATs. NDT and E International, 2012, 51, 8-15.	1.7	64
64	Experimental and numerical evaluation of electromagnetic acoustic transducer performance on steel materials. NDT and E International, 2012, 45, 32-38.	1.7	70
65	Potential drop detection of creep damage in the vicinity of welds. NDT and E International, 2012, 47, 56-65.	1.7	11
66	Non-collinear wave mixing for non-linear ultrasonic detection of physical ageing in PVC. NDT and E International, 2012, 49, 34-39.	1.7	65
67	Study and comparison of different EMAT configurations for SH wave inspection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2571-2581.	1.7	143
68	Sensitivity analysis of a directional potential drop sensor for creep monitoring. NDT and E International, 2011, 44, 708-717.	1.7	26
69	Ultrasonic Non-destructive Evaluation of Titanium Diffusion Bonds. Journal of Nondestructive Evaluation, 2011, 30, 225-236.	1.1	24
70	MATERIAL GAUGE FACTOR OF DIRECTIONAL ELECTRIC POTENTIAL DROP SENSORS FOR CREEP MONITORING. AIP Conference Proceedings, 2011, , .	0.3	5
71	IN-SITU CREEP MONITORING USING THE POTENTIAL DROP METHOD. , 2011, , .		5
72	Continuous Creep Damage Monitoring Using a Novel Potential Drop Technique. , 2011, , .		1

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73	EVALUATION OF ELECTROMAGNETIC ACOUSTIC TRANSDUCER PERFORMANCE ON STEEL MATERIALS. , 2011, , .		4
74	GEOMETRICAL GAUGE FACTOR OF DIRECTIONAL ELECTRIC POTENTIAL DROP SENSORS FOR CREEP MONITORING. , 2011, , .		1
75	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.	0.5	29
76	A review of non-destructive techniques for the detection of creep damage in power plant steels. NDT and E International, 2010, 43, 555-567.	1.7	149
77	The Effect of Hardness on Eddy Current Residual Stress Profiling in Shot-Peened Nickel Alloys. Journal of Nondestructive Evaluation, 2010, 29, 143-153.	1.1	37
78	Potential drop mapping for the monitoring of corrosion or erosion. NDT and E International, 2010, 43, 394-402.	1.7	38
79	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.	1.7	16
80	LIMITATIONS OF EDDY CURRENT RESIDUAL STRESS PROFILING IN SURFACE-TREATED ENGINE ALLOYS OF VARIOUS HARDNESS LEVELS. , 2010, , .		3
81	MODELLING OF ELECTROMAGNETIC ACOUSTIC TRANSDUCERS OPERATING ON FERROMAGNETIC MATERIALS. , 2010, , .		3
82	Non-destructive methods for materials' state awareness monitoring. Insight: Non-Destructive Testing and Condition Monitoring, 2010, 52, 61-71.	0.3	16
83	Quantitative modeling of the transduction of electromagnetic acoustic transducers operating on ferromagnetic media. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2808-2817.	1.7	65
84	ON THE INFLUENCE OF COLD WORK ON RESISTIVITY VARIATIONS WITH THERMAL EXPOSURE IN IN-718 NICKEL-BASE SUPERALLOY. , 2010, , .		2
85	POTENTIAL DROP MAPPING FOR CORROSION MONITORING. , 2009, , .		0
86	The use of non-collinear mixing for nonlinear ultrasonic detection of plasticity and fatigue. Journal of the Acoustical Society of America, 2009, 126, EL117-EL122.	0.5	184
87	Revolutionizing biodegradable metals. Materials Today, 2009, 12, 22-32.	8.3	331
88	Eddy current residual stress profiling in surface-treated engine alloys. Nondestructive Testing and Evaluation, 2009, 24, 209-232.	1.1	34
89	CONSTANT GROUP VELOCITY ULTRASONIC GUIDED WAVE INSPECTION FOR CORROSION AND EROSION MONITORING IN PIPES. , 2009, , .		9
90	IN-SITU RESISTIVITY MONITORING OF MICROSTRUCTURE EVOLUTION IN IN718 NICKEL-BASE SUPERALLOY. , 2009, , .		1

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91	THE FEASIBILITY OF EDDY CURRENT CONDUCTIVITY SPECTROSCOPY FOR NEAR-SURFACE COLD WORK PROFILING IN TITANIUM ALLOYS. AIP Conference Proceedings, 2008, , .	0.3	6
92	RECENT IMPROVEMENTS IN HIGH-FREQUENCY EDDY CURRENT CONDUCTIVITY SPECTROSCOPY. AIP Conference Proceedings, 2008, , .	0.3	10
93	POTENTIAL DROP DATA INVERSION FOR CRACK DEPTH PROFILING. AIP Conference Proceedings, 2008, , .	0.3	0
94	High-Frequency Eddy Current Conductivity Spectroscopy for Near-Surface Residual Stress Profiling in Surface-Treated Nickel-Base Superalloys. AIP Conference Proceedings, 2007, , .	0.3	7
95	Iterative Inversion Method for Eddy Current Evaluation of Near-Surface Residual Stress Profile in Surface-Treated Metals. AIP Conference Proceedings, 2007, , .	0.3	2
96	Crack Profile Reconstruction by Means of Potential Drop Measurements. AIP Conference Proceedings, 2007, , .	0.3	2
97	Lift-off effect in high-frequency eddy current conductivity spectroscopy. NDT and E International, 2007, 40, 555-565.	1.7	32
98	High-frequency eddy current conductivity spectroscopy for residual stress profiling in surface-treated nickel-base superalloys. NDT and E International, 2007, 40, 405-418.	1.7	47
99	Eddy Current Assessment of Near-Surface Residual Stress in Shot-Peened Inhomogeneous Nickel-Base Superalloys. Journal of Nondestructive Evaluation, 2006, 25, 16-27.	1.1	9
100	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.	1.1	29
101	Iterative inversion method for eddy current profiling of near-surface residual stress in surface-treated metals. NDT and E International, 2006, 39, 641-651.	1.7	27
102	Potential Drop Spectroscopy for Characterization of Complex Defects. AIP Conference Proceedings, 2006, , .	0.3	0
103	Opportunities and Challenges for Nondestructive Residual Stress Assessment. AIP Conference Proceedings, 2006, , .	0.3	6
104	The Role of Cold Work in Eddy Current Residual Stress Measurements in Shot-Peened Nickel-Base Superalloys. AIP Conference Proceedings, 2006, , .	0.3	2
105	Near-Surface Residual Stress Assessment in Inhomogeneous Nickel-Base Superalloys. AIP Conference Proceedings, 2006, , .	0.3	1
106	Dynamic Piezoresistivity Calibration for Eddy Current Nondestructive Residual Stress Measurements. Journal of Nondestructive Evaluation, 2005, 24, 143-143.	1.1	44
107	Piezoresistive Effect for Near-Surface Eddy Current Residual Stress Assessment. AIP Conference Proceedings, 2005, , .	0.3	0
108	Eddy Current Nondestructive Residual Stress Assessment in Shot-Peened Nickel-Base Superalloys. AIP Conference Proceedings, 2005, , .	0.3	1

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109	Inversion Procedure for Eddy Current Profiling of the Near-Surface Residual Stress in Shot-Peened Metals. AIP Conference Proceedings, 2005, , .	0.3	1
110	On the Feasibility of Eddy Current Characterization of the Near-Surface Residual Stress Distribution in Nickel-Base Superalloys. AIP Conference Proceedings, 2004, , .	0.3	7
111	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.	1.1	47
112	Numerical method for calculating the apparent eddy current conductivity loss on randomly rough surfaces. Journal of Applied Physics, 2004, 95, 8340-8351.	1.1	26
113	Eddy Current Assessment of Near-Surface Residual Stress in Shot-Peened Nickel-Base Superalloys. Journal of Nondestructive Evaluation, 2004, 23, 107-123.	1.1	68
114	A simple numerical model of the apparent loss of eddy current conductivity due to surface roughness. NDT and E International, 2004, 37, 47-56.	1.7	20
115	Laser-ultrasonic surface wave dispersion measurements on surface-treated metals. Ultrasonics, 2004, 42, 665-669.	2.1	38
116	On the role of material property gradients in noncontacting thermoelectric NDE. NDT and E International, 2003, 36, 339-348.	1.7	17
117	Role of anisotropy in noncontacting thermoelectric materials characterization. Journal of Applied Physics, 2002, 91, 225.	1.1	25
118	Diffraction correction for precision surface acoustic wave velocity measurements. Journal of the Acoustical Society of America, 2002, 112, 835-842.	0.5	43
119	Thermo-optical modulation of ultrasonic surface waves for NDE. Ultrasonics, 2002, 40, 689-696.	2.1	12
120	NDT Techniques: Electrical. , 2001, , 6016-6018.		0
121	Continuous Monitoring of Binary Gas Mixture Concentration With Application to Turbine Blade Cooling Experiments. Journal of Turbomachinery, 2000, 122, 570-578.	0.9	0
122	Thermo-optical modulation for improved ultrasonic fatigue crack detection in Ti-6Al-4V. NDT and E International, 2000, 33, 213-223.	1.7	20
123	Improved ultrasonic detection of fatigue cracks in Ti-6Al-4V by thermo-optical modulation. AIP Conference Proceedings, 2000, , .	0.3	0
124	Analyses of axisymmetric waves in layered piezoelectric rods and their composites. Journal of the Acoustical Society of America, 2000, 108, 1496-1504.	0.5	14
125	Thermoelectric detection of spherical tin inclusions in copper by magnetic sensing. Journal of Applied Physics, 2000, 88, 6495-6500.	1.1	25
126	On the thermoelectric magnetic field of spherical and cylindrical inclusions. Journal of Applied Physics, 2000, 87, 7481-7490.	1.1	37

#	ARTICLE	IF	CITATIONS
127	Grain noise in interferometric detection of ultrasonic vibrations: Experimental study. , 1999, , .		1
128	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.	0.5	5
129	Experimental Investigation of the Grain Noise in Interferometric Detection of Ultrasonic Waves. Journal of Nondestructive Evaluation, 1999, 18, 139-147.	1.1	4
130	5. Acoustics and Ultrasonics. Experimental Methods in the Physical Sciences, 1999, , 161-221.	0.1	7
131	On the Thermoelectric Effect of Interface Imperfections. , 1999, , 1487-1494.		5
132	Ultrasonic Detection of Fatigue Cracks by Thermo-Optical Modulation. , 1999, , 1779-1786.		0
133	Eddy Current Evaluation of Electrical Anisotropy in Polycrystalline Ti-6AL-4V. , 1999, , 1709-1716.		2
134	Fatigue damage assessment by nonlinear ultrasonic materials characterization. Ultrasonics, 1998, 36, 375-381.	2.1	411
135	Edge weld penetration assessment using the potential drop technique. NDT and E International, 1998, 31, 1-10.	1.7	4
136	On the role of interface imperfections in thermoelectric nondestructive materials characterization. Applied Physics Letters, 1998, 73, 467-469.	1.5	35
137	Simplified expressions for the displacements and stresses produced by the Rayleigh wave. Journal of the Acoustical Society of America, 1998, 104, 3107-3110.	0.5	8
138	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.	0.5	6
139	Anisotropic grain noise in eddy current inspection of noncubic polycrystalline metals. Applied Physics Letters, 1998, 72, 1045-1047.	1.5	25
140	Enhanced ultrasonic detection of fatigue cracks by laser-induced crack closure. Journal of Applied Physics, 1998, 83, 7453-7460.	1.1	40
141	Thermo-Electric Detection of Early Fatigue Damage in Metals. , 1998, , 1573-1580.		5
142	Experimental Observation of the Slow Squirting Mode in Solid/Fluid/Solid Trilayers. , 1998, , 169-176.		1
143	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.	0.5	11
144	On the low-frequency oscillation of a fluid layer between two elastic plates. Journal of the Acoustical Society of America, 1997, 102, 3343-3348.	0.5	39

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145	Excess attenuation of leaky Lamb waves due to viscous fluid loading. Journal of the Acoustical Society of America, 1997, 101, 2649-2658.	0.5	57
146	Circumferential creeping waves around a fluid-filled cylindrical cavity in an elastic medium. Journal of the Acoustical Society of America, 1997, 101, 2496-2503.	0.5	26
147	Edge Weld Penetration Assessment via Electric Current Deflection Measurements. , 1997, , 1199-1206.		0
148	Feasibility of Fatigue Crack Detection in Fluid-Filled Cylindrical Holes Using Circumferential Creeping Waves. , 1997, , 43-50.		2
149	Local variations of slow wave attenuation in air-filled permeable materials. Journal of the Acoustical Society of America, 1996, 99, 914-919.	0.5	5
150	Improved materials characterization by pressure-dependent ultrasonic attenuation in air-filled permeable solids. Applied Physics Letters, 1996, 68, 3707-3709.	1.5	14
151	Effective ultrasonic transmission coefficient for randomly rough surfaces. Journal of the Acoustical Society of America, 1996, 100, 832-839.	0.5	6
152	Viscosity-induced attenuation of longitudinal guided waves in fluid-loaded rods. Journal of the Acoustical Society of America, 1996, 100, 1501-1508.	0.5	40
153	General study of axisymmetric waves in layered anisotropic fibers and their composites. Journal of the Acoustical Society of America, 1996, 99, 931-941.	0.5	50
154	Coherent and Incoherent Scattering Mechanisms in Air-Filled Permeable Materials. , 1996, , 129-136.		0
155	Axisymmetric Waves in Layered Anisotropic Fibers and Composites. , 1996, , 275-282.		0
156	Generalized formula for the surface stiffness of fluid-saturated porous media containing parallel pore channels. Applied Physics Letters, 1995, 67, 1827-1829.	1.5	12
157	Longitudinal guided wave propagation in a transversely isotropic rod immersed in fluid. Journal of the Acoustical Society of America, 1995, 98, 454-457.	0.5	61
158	Ultrasonic assessment of Poisson's ratio in thin rods. Journal of the Acoustical Society of America, 1995, 98, 2694-2701.	0.5	26
159	Slow wave imaging of permeable rocks. Geophysical Research Letters, 1995, 22, 1053-1056.	1.5	10
160	Identification of Distributed Fatigue Cracking by Dynamic Crack-Closure. , 1995, , 1979-1986.		7
161	Excess Scattering Induced Loss at a Rough Surface Due to Partially Coherent Double-Reflection. , 1995, , 1845-1852.		0
162	Surface Stiffness Measurements on Water-Saturated Porous Solids. , 1995, , 1425-1432.		0

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163	Novel Nondestructive Evaluation Techniques for Inertia-Friction Welds in a SiC-Reinforced High-Temperature Aluminum Alloy. , 1995, , 1545-1552.		1
164	Increased incoherent backscattering from a liquidâ€“solid interface at the Rayleigh angle. Journal of the Acoustical Society of America, 1994, 96, 2537-2545.	0.5	7
165	Experimental measurements of surface stiffness on waterâ€“saturated porous solids. Journal of the Acoustical Society of America, 1994, 95, 828-835.	0.5	33
166	Acoustic doubleâ€“reflection and transmission at a rough waterâ€“solid interface. Journal of the Acoustical Society of America, 1994, 95, 3242-3251.	0.5	15
167	Leaky guided wave propagation along imperfectly bonded fibers in composite materials. Journal of Nondestructive Evaluation, 1994, 13, 137-145.	1.1	11
168	Weep hole inspection by circumferential creeping waves. NDT and E International, 1994, 27, 131-142.	1.7	49
169	Measurements of acoustic surface waves on fluid-filled porous rocks. Journal of Geophysical Research, 1994, 99, 17863-17869.	3.3	27
170	Surface Roughness and Ultrasonic Materials Characterization. , 1994, , 79-86.		1
171	Surface roughness and the ultrasonic detection of subsurface scatterers. Journal of Applied Physics, 1993, 73, 566-580.	1.1	60
172	Slow wave propagation in airâ€“filled permeable solids. Journal of the Acoustical Society of America, 1993, 93, 3224-3234.	0.5	32
173	Ultrasonic Inspection, Material Noise and Surface Roughness. , 1993, , 1767-1774.		5
174	Improved Laser Interferometry for Ultrasonic NDE. , 1993, , 527-538.		3
175	Surface Wave Inspection of Porous Ceramics and Rocks. , 1993, , 1695-1702.		0
176	Experimental Investigation of Ultrasonic Vibrations of Thin Fibers Embedded in Matrix. , 1993, , 1499-1506.		1
177	Observation of a new surface mode on a fluidâ€“saturated permeable solid. Applied Physics Letters, 1992, 60, 2735-2737.	1.5	41
178	Random speckle modulation technique for laser interferometry. Journal of Nondestructive Evaluation, 1992, 11, 41-49.	1.1	2
179	Ultrasonic classification of imperfect interfaces. Journal of Nondestructive Evaluation, 1992, 11, 127-139.	1.1	232
180	Far-field radiation of a vibrating point source in anisotropic media. Journal of Nondestructive Evaluation, 1991, 10, 71-78.	1.1	13

#	ARTICLE	IF	CITATIONS
181	Ultrasonic detection of kissing bonds at adhesive interfaces. Journal of Adhesion Science and Technology, 1991, 5, 619-630.	1.4	101
182	Interface Characterization by True Guided Modes. , 1991, , 1295-1302.		3
183	A Novel Technique for Interface Wave Generation. , 1991, , 529-535.		6
184	Scanning Acoustic Microscopy for Grain Structure Studies. , 1991, , 95-108.		1
185	Slow wave propagation in air-filled porous materials and natural rocks. Applied Physics Letters, 1990, 56, 2504-2506.	1.5	62
186	Acoustic material signature from frequency analysis. Journal of Applied Physics, 1990, 67, 3876-3878.	1.1	15
187	Evaluation of friction-welded aluminum-steel bonds using dispersive guided modes of a layered substrate. Journal of Applied Physics, 1990, 68, 6072-6076.	1.1	21
188	Dispersive Properties of Leaky Interface Waves in Adhesive Layers. , 1990, , 1247-1254.		1
189	Acoustic Nonlinearities in Adhesive Joints. , 1990, , 1685-1692.		10
190	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.	0.5	20
191	Nondestructive evaluation of adhesive joints by guided waves. Journal of Applied Physics, 1989, 66, 4658-4663.	1.1	89
192	On the origin of increased backward radiation from a liquid-solid interface at the Rayleigh angle. Journal of the Acoustical Society of America, 1989, 85, 1355-1357.	0.5	15
193	Ultrasonic NDE of solid-state bonds: Inertia and friction welds. Journal of Nondestructive Evaluation, 1988, 7, 199-215.	1.1	31
194	Scattering Induced Attenuation of Ultrasonic Backscattering. , 1988, , 1263-1271.		7
195	Surface roughness induced attenuation of reflected and transmitted ultrasonic waves. Journal of the Acoustical Society of America, 1987, 82, 193-197.	0.5	72
196	Attenuation of Reflected and Transmitted Ultrasonic Waves Through a Rough Interface. , 1987, , .		1
197	Focal shift of convergent ultrasonic beams reflected from a liquid-solid interface. Journal of the Acoustical Society of America, 1987, 81, 835-839.	0.5	21
198	Excitation of surface waves of different modes at fluid-porous solid interface. Journal of the Acoustical Society of America, 1986, 79, 249-252.	0.5	22

#	ARTICLE	IF	CITATIONS
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