Kyung-Young Jhang

List of Publications by Year
in descending order

146 papers	2,297 citations	304602 22 h-index	243529 44 g-index
150 all docs	150 docs citations	150 times ranked	1256 citing authors

#	Article	IF	Citations
1	Porosity Evaluation of Additively Manufactured Components Using Deep Learning-based Ultrasonic Nondestructive Testing. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 395-407.	2.7	26
2	Microstructural Characterization of Additively Manufactured Metal Components Using Linear and Nonlinear Ultrasonic Techniques. Materials, 2022, 15, 3876.	1.3	15
3	Porosity Evaluation of Additive Manufactured Parts: Ultrasonic Testing and Eddy Current Testing. Journal of the Korean Society for Nondestructive Testing, 2021, 41, 1-10.	0.2	5
4	Deep Learning-Based Ultrasonic Testing to Evaluate the Porosity of Additively Manufactured Parts with Rough Surfaces. Metals, 2021, 11, 290.	1.0	18
5	Rapid Molecular Diagnostic Sensor Based on Ball-Lensed Optical Fibers. Biosensors, 2021, 11, 125.	2.3	4
6	Compensation of a Second Harmonic Wave Included in an Incident Ultrasonic Wave for the Precise Measurement of the Acoustic Nonlinearity Parameter. Sensors, 2021, 21, 3203.	2.1	3
7	Measurement of Absolute Acoustic Nonlinearity Parameter Using Laser-Ultrasonic Detection. Applied Sciences (Switzerland), 2021, 11, 4175.	1.3	8
8	Experimental Verification of Contact Acoustic Nonlinearity at Rough Contact Interfaces. Materials, 2021, 14, 2988.	1.3	4
9	Mechanical properties estimation of additively manufactured metal components using femtosecond laser ultrasonics and laser polishing. International Journal of Machine Tools and Manufacture, 2021, 166, 103745.	6.2	40
10	Nondestructive evaluation of micro-oxide inclusions in additively manufactured metal parts using nonlinear ultrasonic technique. Journal of Materials Processing Technology, 2021, 298, 117281.	3.1	16
11	Decoupled Longitudinal and Lateral Vehicle Control Based Autonomous Lane Change System Adaptable to Driving Surroundings. IEEE Access, 2021, 9, 4315-4334.	2.6	12
12	Ultrasonic nonlinearity parameter in uniaxial stress condition. Ultrasonics, 2020, 102, 105914.	2.1	5
13	Applicability of nonlinear ultrasonic technique to evaluation of thermally aged CF8M cast stainless steel. Nuclear Engineering and Technology, 2020, 52, 621-625.	1.1	14
14	Indirect Method for Measuring Absolute Acoustic Nonlinearity Parameter Using Surface Acoustic Waves with a Fully Non-Contact Laser-Ultrasonic Technique. Applied Sciences (Switzerland), 2020, 10, 5911.	1.3	2
15	Analysis of the Influence of Surface Roughness on Measurement of Ultrasonic Nonlinearity Parameter Using Contact-Type Transducer. Applied Sciences (Switzerland), 2020, 10, 8661.	1.3	6
16	Nondestructive Evaluation of Thermal Aging in Al6061 Alloy by Measuring Acoustic Nonlinearity of Laser-Generated Surface Acoustic Waves. Metals, 2020, 10, 38.	1.0	3
17	Evaluation of yield strength by ultrasonic reconstruction of quadratic nonlinear Stressâ€“Strain curve. NDT and E International, 2020, 112, 102242.	1.7	5
18	Stress Estimation Using the Acoustoelastic Effect of Surface Waves in Weak Anisotropic Materials. Applied Sciences (Switzerland), 2020, 10, 169.	1.3	3

#	Article	IF	Citations
19	Measurement of Nonlinear Ultrasonic Parameters from Higher Harmonics. Springer Series in Measurement Science and Technology, 2020, , 9-60.	0.5	2
20	Numerical study on thermal stress cutting of silicon wafers using two-line laser beams. Journal of Mechanical Science and Technology, 2019, 33, 3621-3627.	0.7	4
21	Vibration energy harvesting technology for smart tire monitoring. Journal of Mechanical Science and Technology, 2019, 33, 3725-3732.	0.7	13
22	Monitoring of Thermal Aging of Aluminum Alloy via Nonlinear Propagation of Acoustic Pulses Generated and Detected by Lasers. Applied Sciences (Switzerland), 2019, 9, 1191.	1.3	13
23	A Pulse Inversion-Based Nonlinear Ultrasonic Technique using a Single-Cycle Longitudinal Wave for Evaluating Localized Material Degradation in Plates. International Journal of Precision Engineering and Manufacturing, 2019, 20, 549-558.	1.1	9
24	Comparison of Linear and Nonlinear Ultrasonic Parameters in Characterizing Grain Size and Mechanical Properties of 304L Stainless Steel. Metals, 2019, 9, 1279.	1.0	22
25	Synthetic aperture imaging of contact acoustic nonlinearity to visualize the closing interfaces using tone-burst ultrasonic waves. Mechanical Systems and Signal Processing, 2019, 125, 257-274.	4.4	13
26	Evaluation of quadratic nonlinearity in tensile curve from ultrasonic linear and nonlinear measurements. Proceedings of Meetings on Acoustics, 2018, , .	0.3	0
27	Internal defect detection using laser-generated longitudinal waves in ablation regime. Journal of Mechanical Science and Technology, 2018, 32, 4191-4200.	0.7	28
28	Dependence of nonlinear ultrasonic characteristic on second-phase precipitation in heat-treated Al 6061-T6 alloy. Ultrasonics, 2018, 82, 84-90.	2.1	24
29	Variation of Acoustoelastic Effect in Al6061-T6 according to Heat Treatment Time. Journal of the Korean Society for Nondestructive Testing, 2018, 38, 67-74.	0.2	2
30	Quantitative evaluation of yield strength degradation by using nonlinear ultrasonic techniques. , 2018, , .		0
31	Absolute Measurement and Relative Measurement of Ultrasonic Nonlinear Parameters. Research in Nondestructive Evaluation, 2017, 28, 211-225.	0.5	18
32	Assessment of thermal degradation by cumulative variation of ultrasonic nonlinear parameter. International Journal of Precision Engineering and Manufacturing, 2017, 18, 23-29.	1.1	3
33	A method to estimate the absolute ultrasonic nonlinearity parameter from relative measurements. Ultrasonics, 2017, 77, 197-202.	2.1	9
34	Assessment of Thermal Aging of Aluminum Alloy by Acoustic Nonlinearity Measurement of Surface Acoustic Waves. Research in Nondestructive Evaluation, 2017, 28, 3-17.	0.5	12
35	Relative measurement of the acoustic nonlinearity parameter using laser detection of an ultrasonic wave. International Journal of Precision Engineering and Manufacturing, 2017, 18, 1347-1352.	1.1	12
36	Finite element analysis of a low-velocity impact test for glass fiber-reinforced polypropylene composites considering mixed-mode interlaminar fracture toughness. Composite Structures, 2017, 160, 446-456.	3.1	44

#	Article	IF	Citations
37	Measurement of Absolute Displacement-Amplitude of Ultrasonic Wave Using Piezo-Electric Detection Method. Journal of the Korean Society for Nondestructive Testing, 2017, 37, 7-12.	0.2	1
38	Correlation between Ultrasonic Nonlinearity and Elastic Nonlinearity in Heat-Treated Aluminum Alloy. Journal of the Korean Society for Nondestructive Testing, 2017, 37, 115-121.	0.2	2
39	Influence of Surface Roughness on Measurement of the Ultrasonic Nonlinear Parameter. Journal of the Korean Society for Nondestructive Testing, 2017, 37, 223-229.	0.2	2
40	Experimental comparison of nonlinear parameters obtained from absolute measurement and relative measurement. AIP Conference Proceedings, 2016, , .	0.3	2
41	Comparison of ultrasonic nonlinear parameters measured by PZT and LiNbO3 transducers. AIP Conference Proceedings, 2016, , .	0.3	0
42	Damage analysis of CMOS electro-optical imaging system by a continuous wave laser. Proceedings of SPIE, 2016, , .	0.8	0
43	Nondestructive evaluation of hidden multi-delamination in a glass-fiber-reinforced plastic composite using terahertz spectroscopy. Composite Structures, 2016, 156, 338-347.	3.1	91
44	Nanotribological and wetting performance of hierarchical patterns. Soft Matter, 2016, 12, 859-866.	1.2	23
45	Damage Analysis of CCD Image Sensor Irradiated by Continuous Wave Laser. Journal of the Korea Institute of Military Science and Technology, 2016, 19, 690-697.	0.1	2
46	Measurement of Elastic Constants by Simultaneously Sensing Longitudinal and Shear Waves as an Overlapped Signal. Journal of the Korean Society for Nondestructive Testing, 2016, 36, 138-148.	0.2	1
47	Relative measurement of acoustic nonlinear parameters and comparison of sensitivity to thermal aging. , 2015, , .		1
48	Non-contact measurement of elastic modulus by using laser ultrasound. International Journal of Precision Engineering and Manufacturing, 2015, 16, 905-909.	1.1	15
49	Noncontact Evaluation of Acoustic Nonlinearity of a Laser-Generated Surface Wave in a Plastically Deformed Aluminum Alloy. Research in Nondestructive Evaluation, 2015, 26, 13-22.	0.5	18
50	Determination of laser beam intensity to maximize amplitude of ultrasound generated in ablation regime via monitoring plasma-induced air-borne sound. International Journal of Precision Engineering and Manufacturing, 2015, 16, 2641-2645.	1.1	3
51	Real-time detection of surface cracks on silicon wafers during laser beam irradiation. Journal of Mechanical Science and Technology, 2015, 29, 39-43.	0.7	4
52	Influence of repetitive pulsed laser irradiation on the surface characteristics of an aluminum alloy in the melting regime. Journal of Mechanical Science and Technology, 2015, 29, 335-340.	0.7	5
53	Demonstration of disturbance propagation and amplification in car-following situation for enhancement of vehicle platoon system. , 2015, , .		2
54	Relationship between second- and third-order acoustic nonlinear parameters in relative measurement. Ultrasonics, 2015, 56, 539-544.	2.1	43

#	Article	IF	Citations
55	Effect of Window Function for Measurement of Ultrasonic Nonlinear Parameter Using Fast Fourier Transform of Tone-Burst Signal. Journal of the Korean Society for Nondestructive Testing, 2015, 35, 251-257.	0.2	4
56	High-Power Continuous-Wave Laser-Induced Damage to Complementary Metal-Oxide Semiconductor Image Sensor. Transactions of the Korean Society of Mechanical Engineers, A, 2015, 39, 105-109.	0.1	1
57	In-Line Ultrasonic Monitoring for Sediments Stuck on Inner Wall of a Polyvinyl Chloride Pipe. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	3
58	Influence of laser beam profiles on the frequency bandwidth of laser-generated surface acoustic waves. , 2014, , .		2
59	Thermal damages on the surface of a silicon wafer induced by a near-infrared laser. Optical Engineering, 2014, 53, 017103.	0.5	14
60	A study of crack detection in silicon wafer using laser generated Lamb wave. , 2014, , .		0
61	In situ detection of laser-induced slip initiation on the silicon wafer surface. Optics Letters, 2014, 39, 4278.	1.7	7
62	Laser ultrasonic inspection in ablation regime. , 2014, , .		0
63	Initiation time of near-infrared laser-induced slip on the surface of silicon wafers. Applied Physics Letters, 2014, 104, 251604.	1.5	7
64	Improvement of crack sizing performance by using nonlinear ultrasonic technique. International Journal of Precision Engineering and Manufacturing, 2014, 15, 2461-2464.	1.1	7
65	Slip damage of silicon wafers subjected to continuous infrared laser irradiation. Current Applied Physics, 2014, 14, 843-849.	1.1	7
66	Evaluation of Ultrasonic Nonlinear Characteristics in Artificially Aged Al6061-T6. Journal of the Korean Society for Nondestructive Testing, 2014, 34, 220-225.	0.2	6
67	Simulations for Internal Defect Inspection Using Laser Generated Ultrasonic Wave in Ablation Regime. Journal of the Korean Society for Nondestructive Testing, 2014, 34, 226-232.	0.2	2
68	Study on the Nonlinear Electromagnetic Acoustic Resonance Method for the Evaluation of Hidden Damage in a Metallic Material. Journal of the Korean Society for Nondestructive Testing, 2014, 34, 277-282.	0.2	4
69	Imaging of contact acoustic nonlinearity using synthetic aperture technique. Ultrasonics, 2013, 53, 1349-1354.	2.1	5
70	Influence of slit width on harmonic generation in ultrasonic surface waves excited by masking a laser beam with a line arrayed slit. NDT and E International, 2013, 57, 1-6.	1.7	18
71	Crack Detection in Single-Crystalline Silicon Wafer Using Laser Generated Lamb Wave. Advances in Materials Science and Engineering, 2013, 2013, 1-6.	1.0	15
72	Evaluation of Ultrasonic Nonlinear Characteristics in Heat-Treated Aluminum Alloy (Al-Mg-Si-Cu). Advances in Materials Science and Engineering, 2013, 2013, 1-6.	1.0	4

#	Article	IF	Citations
73	Application of Macrofiber Composite for Smart Transducer of Lamb Wave Inspection. Advances in Materials Science and Engineering, 2013, 2013, 1-5.	1.0	8
74	Feasibility of MFC (Macro-Fiber Composite) Transducers for Guided Wave Technique. Journal of the Korean Society for Nondestructive Testing, 2013, 33, 264-269.	0.2	5
75	Evaluation of Ultrasonic Nonlinear Characteristics in Heat-Treated Aluminum Alloy. Journal of the Korean Society for Nondestructive Testing, 2013, 33, 193-197.	0.2	2
76	Initial Second Harmonic Generation in Narrowband Surface Waves by Multi-Line Laser Beams for Two Kinds of Spatial Energy Profile Models: Gaussian and Square-Like. Journal of the Korean Society for Nondestructive Testing, 2013, 33, 257-263.	0.2	1
77	Fatigue-Induced Micro-damage Characterization of Austenitic Stainless Steel 316 Using Innovative Nonlinear Acoustics. Chinese Physics Letters, 2012, 29, 060702.	1.3	13
78	Acoustic Nonlinearity of Surface Wave in a Fatigued Aluminum Alloy Specimen. Materials Transactions, 2012, 53, 303-307.	0.4	7
79	Ultrasonic characterization for directional coarsening in a nickel-based superalloy during creep exposure. Journal of Nuclear Science and Technology, 2012, 49, 366-372.	0.7	6
80	Analysis of transmitted ultrasound signals through apples at different storage times using the continuous wavelet transformation. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1949-1954.	1.1	6
81	Frequency response of narrowband surface waves generated by laser beams spatially modulated with a line-arrayed slit mask. Journal of the Korean Physical Society, 2012, 60, 26-30.	0.3	14
82	Surface characteristics of aluminum 6061-T6 subjected to Nd:YAG pulsed-laser irradiation. Journal of Mechanical Science and Technology, 2012, 26, 2163-2166.	0.7	16
83	Evaluation of subsurface defects in fiber glass composite plate using lock-in technique. International Journal of Precision Engineering and Manufacturing, 2012, 13, 465-470.	1.1	9
84	NDE of low-velocity impact damages in composite laminates using ESPI, digital shearography and ultrasound C-scan techniques. International Journal of Precision Engineering and Manufacturing, 2012, 13, 869-876.	1.1	24
85	Harmonic generation of an obliquely incident ultrasonic wave in solidâ€“solid contact interfaces. Ultrasonics, 2012, 52, 778-783.	2.1	35
86	Frequency Characteristics of Surface Wave Generated by Single-Line Pulsed Laser Beam with Two Kinds of Spatial Energy Profile Models: Gaussian and Square-Like. Journal of the Korean Society for Nondestructive Testing, 2012, 32, 347-354.	0.2	4
87	Fully Non-Contact Assessment of Acoustic Nonlinearity According to Plastic Deformation in Al6061 Alloy. Journal of the Korean Society for Nondestructive Testing, 2012, 32, 388-392.	0.2	3
88	Assessment of Plastic Deformation in Al6061 Alloy using Acoustic Nonlinearity of Laser-Generated Surface Wave. Journal of the Korean Society for Nondestructive Testing, 2012, 32, 20-26.	0.2	4
89	Imaging of Harmonic Wave Generated by Contact Acoustic Nonlinearity in Obliquely Incident Ultrasonic Wave. Journal of the Korean Society for Nondestructive Testing, 2012, 32, 362-368.	0.2	0
90	Thermal Damage Characterization of Silicon Wafer Subjected to CW Laser Beam. Transactions of the Korean Society of Mechanical Engineers, A, 2012, 36, 1241-1248.	0.1	2

#	Article	IF	Citations
91	Wetting behavior and nanotribological properties of silicon nanopatterns combined with diamond-like carbon and perfluoropolyether films. Nanotechnology, 2011, 22, 395303.	1.3	27
92	Bending Fatigue Evaluation of Al6061 Alloy by Laser-Generated Surface Wave. Applied Mechanics and Materials, 2011, 83, 19-21.	0.2	1
93	NONLINEAR ULTRASONIC CHARACTERIZATION OF FATIGUE DAMAGE IN SUS316L ALLOY. International Journal of Modern Physics B, 2011, 25, 4221-4224.	1.0	2
94	CREEP CHARACTERIZATION OF SUPERALLOY IN-738 USING ULTRASONIC NONLINEARITY MEASUREMENT. International Journal of Modern Physics B, 2011, 25, 1385-1392.	1.0	10
95	Reflection and Transmission Characteristics of Oblique-Incidence Ultrasonic Waves at Solid-Solid Contact Interfaces. Transactions of the Korean Society of Mechanical Engineers, A, 2011, 35, 1113-1118.	0.1	0
96	Influence of Surface Roughness on Morphology of Aluminum Alloy After Pulsed-Laser Irradiation. Transactions of the Korean Society of Mechanical Engineers, A, 2011, 35, 1105-1111.	0.1	6
97	Analysis of Variation in the Surface Morphology of Aluminum Alloy by Repetitive Pulsed-laser Irradiation. Journal of the Korea Institute of Military Science and Technology, 2011, 14, 897-903.	0.1	1
98	NONLINEAR BEHAVIOR OF ULTRASONIC WAVE AT CRACK. AIP Conference Proceedings, 2010, , .	0.3	4
99	EVALUATION OF FATIGUE DEGRADATION USING NONLINEAR ULTRASONICS. , 2010, , .		2
100	CHARACTERIZATION OF STAINLESS STEEL FIBER REINFORCED ALUMINUM COMPOSITE USING ULTRASONIC NONLINEARITY. International Journal of Modern Physics B, 2010, 24, 2585-2590.	1.0	0
101	Acoustic Nonlinearity of Narrowband Laser-generated Surface Waves in the Bending Fatigue of Al6061 Alloy. Journal of the Korean Physical Society, 2010, 57, 1212-1217.	0.3	13
102	Evaluation of Fatigue Degradation in SUS316L Using Nonlinear Ultrasonics. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 145-152.	0.1	0
103	Acoustic Nonlinearity of Narrow-Band Surface Wave Generated by Laser Beam with Line-Arrayed Slit Mask. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 1877-1883.	0.1	0
104	Nonlinear ultrasonic techniques for nondestructive assessment of micro damage in material: A review. International Journal of Precision Engineering and Manufacturing, 2009, 10, 123-135.	1.1	518
105	Nonlinear ultrasonic characterization of thermal degradation in ferritic 2.25Crâ€“1Mo steel. NDT and E International, 2009, 42, 204-209.	1.7	55
106	Experimental investigation of nonlinear acoustic effect at crack. NDT and E International, 2009, 42, 757-764.	1.7	53
107	Nonlinear ultrasonic techniques for nondestructive assessment of micro damage in material: A review. , 2009, 10, 123.		1
108	Single-mode guided wave technique using ring-arrayed laser beam for thin-tube inspection. NDT and E International, 2008, 41, 632-637.	1.7	13

#	ARTICLE	IF	CITATIONS
109	THE NONLINEARITY OF GUIDED WAVE IN AN ELASTIC PLATE. Modern Physics Letters B, 2008, 22, 1135-1140.	1.0	34
110	A noncontact NDE method using a laser generated focused-Lamb wave with enhanced defect-detection ability and spatial resolution. NDT and E International, 2006, 39, 312-319.	1.7	69
111	Application of the laser generated focused-Lamb wave for non-contact imaging of defects in plate. Ultrasonics, 2006, 44, e1265-e1268.	2.1	31
112	Estimation of clamping force in high-tension bolts through ultrasonic velocity measurement. Ultrasonics, 2006, 44, e1339-e1342.	2.1	112
113	Advanced Technologies for Estimation of Nonlinear Ultrasonic Parameter. Key Engineering Materials, 2006, 326-328, 673-676.	0.4	0
114	Non-Contact Single-Mode Guided Wave Technique by the Combination of Wavelength-Matched Laser Generation and Angle-Matched Leak Wave Detection. Key Engineering Materials, 2006, 326-328, 477-480.	0.4	1
115	Detection and Image Processing of Interfacial Micro-Delamination in the Thin-Layered Structure by Using Nonlinear Ultrasonic Effect. Key Engineering Materials, 2006, 321-323, 1513-1516.	0.4	0
116	Failure Analysis and Evaluation of Strength Properties for Brazed Joints. Key Engineering Materials, 2006, 321-323, 1522-1525.	0.4	2
117	Automatic Inspection of Pipe Using Non-Contact Guided-Wave Technique with Enhanced Mode-Selectivity. Materials Science Forum, 2006, 505-507, 973-978.	0.3	1
118	The Detection and Imaging of Internal Defect Using ESPI-Based Strain Analysis. Key Engineering Materials, 2006, 321-323, 87-90.	0.4	0
119	Ultrasonic Estimation of Clamping Force in High-Tension Bolts. Key Engineering Materials, 2006, 321-323, 240-243.	0.4	5
120	Reliability Evaluation of Hinges Used in Electronic Communication Devices. Key Engineering Materials, 2005, 297-300, 1804-1809.	0.4	0
121	Nonlinear Ultrasonic Method to Detect Micro-Delamination in Electronic Packaging. Key Engineering Materials, 2005, 297-300, 813-818.	0.4	1
122	Automatic Non-Contact Defect Inspection of Cylindrical Shell Using a Laser-Ultrasonic Technique. Key Engineering Materials, 2004, 270-273, 334-339.	0.4	1
123	Imaging of Defects in Thin Plate by Scanning of Laser-Generated Focused-Lamb Waves. Key Engineering Materials, 2004, 270-273, 1785-1790.	0.4	2
124	Detection of Micro-Delamination in Electronic Packaging by Using the Ultrasonic Nonlinearity. Key Engineering Materials, 2004, 270-273, 1761-1766.	0.4	2
125	Study on the Development of Multi-Path Ultrasonic Gas Flow Meter. Key Engineering Materials, 2004, 270-273, 353-358.	0.4	0
126	Non-Contact Tube Inspection Technique Using Laser Generation of Guided Wave and Its Reception by Air-Coupled Transducer. , 2004, , .		2

#	Article	IF	Citations
127	A nondestructive method for estimation of the fracture toughness of CrMoV rotor steels based on ultrasonic nonlinearity. Ultrasonics, 2003, 41, 543-549.	2.1	39
128	A lane-curve detection based on an LCF. Pattern Recognition Letters, 2003, 24, 2301-2313.	2.6	49
129	Nondestructive Evaluation of Degraded 2.25Cr-1Mo Steel and Estimation of Nonlinear Acoustic Effect Using Bispectral Analysis. , 2003, , 65.		2
130	Evaluation of fracture toughness degradation of CrMoV rotor steels based on ultrasonic nonlinearity measurements. Journal of Mechanical Science and Technology, 2002, 16, 147-154.	0.4	13
131	Wavelet analysis based deconvolution to improve the resolution of scanning acoustic microscope images for the inspection of thin die layer in semiconductor. NDT and E International, 2002, 35, 549-557.	1.7	27
132	Nonlinear acoustic effects and material strength degradation due to high temperature exposure. AIP Conference Proceedings, 2001, , .	0.3	1
133	Finite Difference Method Analysis of Ultrasonic Nonlinearity in Partially Degraded Material. JSME International Journal Series A-Solid Mechanics and Material Engineering, 2001, 44, 390-395.	0.4	0
134	Research on the Nondestructive Measurement of Nonlinear Elastic Modulus by Using Ultrasonic Wave.. JSME International Journal Series A-Solid Mechanics and Material Engineering, 2001, 44, 383-389.	0.4	7
135	Estimation of Nonlinear Acoustic Parameter Using Bispectral Analysis.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2001, 44, 20-24.	0.3	3
136	Applications of nonlinear ultrasonics to the NDE of material degradation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2000, 47, 540-548.	1.7	140
137	Evaluation of nonlinear acoustic effect using bispectum analysis and its NDE application. , 1999, , .		0
138	Evaluation of material degradation using nonlinear acoustic effect. Ultrasonics, 1999, 37, 39-44.	2.1	129
139	Estimation of the stress state inside metals using stress perturbing waves and probe waves. NDT and E International, 1993, 26, 119-126.	1.7	6
140	Vehicle's Movement Tracer Using Four Optical Line Detectors and Fourth Order Correlation Analysis. Transactions of the Society of Instrument and Control Engineers, 1991, 27, 973-981.	0.1	0
141	Short Time and High Accuracy Time Delay Estimation of a Random Impulse Sequence. Transactions of the Society of Instrument and Control Engineers, 1991, 27, 141-148.	0.1	0
142	Flow Field Observation Using Ultrasonic Beams and High Order Correlation Analysis. Transactions of the Society of Instrument and Control Engineers, 1989, 25, 829-835.	0.1	1
143	Stream Distribution Measurement Using Line Detectors and High Order Correlation Analysis. Transactions of the Society of Instrument and Control Engineers, 1988, 24, 414-416.	0.1	0
144	3-D Velocity Field Tomography Using Multiple Plane Detectors And High Order Correlation Analysis. , 0, , .		1

#	Article	IF	Citations
145	Acoustic emission method to detect the gas leak from the fatigue crack of a brazing jointed tube. , 0, , .		0
146	Single mode guided wave technique for pipe inspection using laser ultrasound. , 0, , .		0