

Jung Ryul Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7536171/publications.pdf>

Version: 2024-02-01

185
papers

3,298
citations

186209

28
h-index

189801

50
g-index

189
all docs

189
docs citations

189
times ranked

2224
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser structural training, artificial intelligence-based acoustic emission localization and structural/noise signal distinguishment in a thick FCEV fuel tank. International Journal of Hydrogen Energy, 2022, 47, 4236-4254.	3.8	2
2	Rotation included 3-axis scanning free-space measurement and curvature compensation for electromagnetic evaluation of leading-edge and curved stealth structures. Measurement Science and Technology, 2022, 33, 055903.	1.4	2
3	Reverberation-based high-speed guided-wave ultrasonic propagation imager for structural inspection of thick composites. Composite Structures, 2021, 259, 113446.	3.1	2
4	Evaluation of Mechanical/Electromagnetic Preformation of Single-Sided Active Frequency Selective Surface for Stealth Radomes. International Journal of Aeronautical and Space Sciences, 2021, 22, 1235-1242.	1.0	7
5	Robotic laser sensing and laser mirror excitation for pulse-echo scanning inspection of fixed composite structures with non-planar geometries. Measurement: Journal of the International Measurement Confederation, 2021, 176, 109109.	2.5	8
6	Investigation of manufacturing defects in 3D-printed CFRP using laser ultrasonic testing and x-ray micro-computed tomography. Functional Composites and Structures, 2021, 3, 025005.	1.6	11
7	Defect visualization of cylindrical and conical CFRP lattice structures using rotational ultrasonic propagation imager. Measurement Science and Technology, 2021, 32, 124001.	1.4	7
8	Simultaneous external and internal inspection of a cylindrical CFRP lattice-skin structure based on rotational ultrasonic propagation imaging and laser displacement sensing. Composite Structures, 2021, 276, 114592.	3.1	2
9	Filament-wound composite pressure vessel inspection based on rotational through-transmission laser ultrasonic propagation imaging. Composite Structures, 2020, 236, 111871.	3.1	18
10	Reflection loss field visualization of curved RAS based on scanning free-space measurement and curvature compensation using perfect electric conductor. Measurement: Journal of the International Measurement Confederation, 2020, 153, 107408.	2.5	3
11	Development of autonomous target recognition and scanning technology for pulse-echo ultrasonic propagation imager. Structural Health Monitoring, 2020, 19, 1064-1074.	4.3	4
12	Investigation of underwater environmental effects in rotating propeller blade tracking laser vibrometric measurement. Optics and Laser Technology, 2020, 132, 106460.	2.2	5
13	Corner inspection method for L-shaped composite structures using laser ultrasonic rotational scanning technique. Advanced Composite Materials, 2020, , 1-12.	1.0	9
14	Underwater vibration analysis method for rotating propeller blades using laser Doppler vibrometer. Optics and Lasers in Engineering, 2020, 132, 106133.	2.0	19
15	Parametric optimization of pulse-echo laser ultrasonic system for inspection of thick polymer matrix composites. Structural Health Monitoring, 2020, 19, 443-453.	4.3	13
16	Laser-based structural training algorithm for AE localization and damage accumulation visualization in a composite wing skin with various sub-structures. Smart Materials and Structures, 2020, 29, 115014.	1.8	4
17	Nondestructive and electromagnetic evaluations of stealth structures damaged by lightning strike. Journal of Intelligent Material Systems and Structures, 2019, 30, 2567-2574.	1.4	3
18	Recent advances in thin and broadband layered microwave absorbing and shielding structures for commercial and defense applications. Functional Composites and Structures, 2019, 1, 032001.	1.6	39

#	ARTICLE	IF	CITATIONS
19	Investigation of the damage effect on electromagnetic performance evaluation of a radar absorbing structure. <i>Materials Research Express</i> , 2019, 6, 115546.	0.8	3
20	Hybrid Method of Modal Analysis and Laser Shock Scanning to Visualize the Pyroshock Propagation in a Tension Joint. <i>Shock and Vibration</i> , 2019, 2019, 1-13.	0.3	1
21	Nondestructive detection of incipient thermal damage in glass fiber reinforced epoxy composite using the ultrasonic propagation imaging. <i>Functional Composites and Structures</i> , 2019, 1, 025006.	1.6	5
22	Broadband Laser Ultrasonic Excitation and Multi-band Sensing for Hierarchical Automatic Damage Visualization. <i>International Journal of Aeronautical and Space Sciences</i> , 2019, 20, 913-932.	1.0	4
23	Damage visualization of a cylindrical CFRP lattice-skin structure based on a pulse-echo ultrasonic propagation imager. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 147, 106837.	2.5	2
24	Selected papers from the 29th International Conference on Adaptive Structures and Technologies (ICAST 2018) (Seoul, Korea, 30 September–4 October 2018). <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2519-2520.	1.4	0
25	Visualization of pyroshock wave reduction by insulator using a laser shock based simulation method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 137, 302-311.	2.5	10
26	Transmission frequency variable stealth radome using the mutual inductance effect for two frequency selective surfaces. <i>Smart Materials and Structures</i> , 2019, 28, 074005.	1.8	2
27	Laser-based structural training algorithm for acoustic emission localization and damage accumulation visualization in a bolt joint structure. <i>Structural Health Monitoring</i> , 2019, 18, 1851-1861.	4.3	8
28	Real world application of angular scan pulse-echo ultrasonic propagation imager for damage tolerance evaluation of full-scale composite fuselage. <i>Structural Health Monitoring</i> , 2019, 18, 1943-1952.	4.3	8
29	Videoscope-based inspection of turbofan engine blades using convolutional neural networks and image processing. <i>Structural Health Monitoring</i> , 2019, 18, 2020-2039.	4.3	19
30	Carbon rod missing inspection method of multidimensional carbon preform based on image processing. <i>Advanced Composite Materials</i> , 2019, 28, 463-477.	1.0	0
31	Aircraft integrated structural health monitoring using lasers, piezoelectricity, and fiber optics. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 125, 294-302.	2.5	30
32	Performance and non-destructive evaluation methods of airborne radome and stealth structures. <i>Measurement Science and Technology</i> , 2018, 29, 062001.	1.4	57
33	Development of scanning single port free space measurement setup for imaging reflection loss of microwave absorbing materials. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 125, 114-122.	2.5	21
34	Thickness reconstruction of nuclear power plant pipes with flow-accelerated corrosion damage using laser ultrasonic wavenumber imaging. <i>Structural Health Monitoring</i> , 2018, 17, 255-265.	4.3	20
35	Novel optimization method of single square FSS impinged and cascaded radar absorbing composites. <i>Advanced Composite Materials</i> , 2018, 27, 297-307.	1.0	9
36	Optimization of the design of radar-absorbing composite structures using response surface model with verification using scanning free space measurement. <i>Composite Structures</i> , 2018, 186, 106-113.	3.1	14

#	ARTICLE	IF	CITATIONS
37	Thermo-Elastic Model of Epicenter Displacement by Laser Pulse Irradiated on Metallic Surfaces. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 2018, 1, .	0.7	1
38	Development of a laser-powered wireless ultrasonic device for aircraft structural health monitoring. Structural Health Monitoring, 2018, 17, 145-155.	4.3	0
39	Dual-energy wave subtraction imaging for evaluation of barely visible impact damage with an ultrasonic propagation imaging system. Journal of Intelligent Material Systems and Structures, 2018, 29, 3411-3425.	1.4	6
40	Prediction and validation of electromagnetic performance of curved radar-absorbing structures based on equivalent circuit model and ray tracking method. Composites Science and Technology, 2018, 167, 547-554.	3.8	11
41	Development of dual port scanning free space measurement system. Measurement Science and Technology, 2018, 29, 075403.	1.4	5
42	Composite repair patch evaluation using pulse-echo laser ultrasonic correlation mapping method. Composite Structures, 2018, 204, 395-401.	3.1	17
43	Bulk-wave ultrasonic propagation imagers. , 2018, , .		0
44	Progress in frequency selective surface-based smart electromagnetic structures: A critical review. Aerospace Science and Technology, 2017, 66, 216-234.	2.5	143
45	Development of PZT-excited stroboscopic shearography for full-field nondestructive evaluation. Review of Scientific Instruments, 2017, 88, 053301.	0.6	13
46	Development of pulse-echo ultrasonic propagation imaging system and its delivery to Korea Air Force. Proceedings of SPIE, 2017, , .	0.8	1
47	Remote defect visualization of standard composite coupons using a mobile pulse-echo ultrasonic propagation imager. Advanced Composite Materials, 2017, 26, 15-27.	1.0	3
48	Development of a wireless pilot arm "wearable haptic interface for unmanned aerial vehicle wing deflection sensing. Journal of Intelligent Material Systems and Structures, 2017, 28, 1130-1139.	1.4	2
49	Multi-directional adjacent wave subtraction and shifted time point mapping algorithms and their application to defect visualization in a space tank liner. NDT and E International, 2017, 86, 53-64.	1.7	15
50	Application of the ultrasonic propagation imaging system to an immersed metallic structure with a crack under a randomly oscillating water surface. Journal of Mechanical Science and Technology, 2017, 31, 4099-4108.	0.7	5
51	International Conference on Advances in Structural Health Management and Composite Structures-ASHMCS 2016. Advanced Composite Materials, 2017, 26, 1-1.	1.0	0
52	FPGA-based ultrasonic energy mapping with source removal method for damage visualization in composite structures. Advanced Composite Materials, 2017, 26, 3-13.	1.0	7
53	Microwave absorption properties of FSS-impacted composites as a broadband microwave absorber. Advanced Composite Materials, 2017, 26, 99-113.	1.0	26
54	In situ non-destructive evaluation of an aircraft UHF antenna radome based on pulse-echo ultrasonic propagation imaging. Composite Structures, 2017, 160, 16-22.	3.1	9

#	ARTICLE	IF	CITATIONS
55	Development of a long-range multi-area scanning ultrasonic propagation imaging system built into a hangar and its application on an actual aircraft. Structural Health Monitoring, 2017, 16, 97-111.	4.3	14
56	Three dimensional evaluation of aluminum plates with wall-thinning by full-field pulse-echo laser ultrasound. Optics and Lasers in Engineering, 2017, 99, 58-65.	2.0	39
57	Pyroshock Acceleration Field Reconstruction in Temporal and Spectral Domains Based on Laser Shock Scanning and Iterative Decomposition and Synthesis Considering Stop Band Effects. Shock and Vibration, 2017, 2017, 1-19.	0.3	10
58	An arm wearable haptic interface for impact sensing on unmanned aerial vehicles. Proceedings of SPIE, 2017, , .	0.8	0
59	Defect visualization of aircraft UHF antenna radome using full-field pulse-echo ultrasonic propagation imaging system. IOP Conference Series: Materials Science and Engineering, 2016, 152, 012027.	0.3	0
60	Pyroshock Prediction of Ridge-Cut Explosive Bolts Using Hydrocodes. Shock and Vibration, 2016, 2016, 1-14.	0.3	18
61	Nondestructive evaluation of pyroshock propagation using hydrocodes. , 2016, , .		1
62	Development of an FPGA-based multipoint laser pyroshock measurement system for explosive bolts. Review of Scientific Instruments, 2016, 87, 073302.	0.6	4
63	A health management technology for multisite cracks in an in-service aircraft fuselage based on multi-time-frame laser ultrasonic energy mapping and serially connected PZTs. Aerospace Science and Technology, 2016, 54, 114-121.	2.5	21
64	SNR enhancement for composite application using multiple Doppler vibrometers based laser ultrasonic propagation imager. Optics and Lasers in Engineering, 2016, 84, 82-88.	2.0	13
65	Dual-energy wave subtraction imaging for damage detection in ultrasonic propagation imaging system. , 2016, , .		2
66	FPGA-based multipoint shock wave measurement system using LDVs for aerospace applications. , 2016, , .		2
67	Detection of missing rods of 4-directional carbon preform from images. IOP Conference Series: Materials Science and Engineering, 2016, 152, 012063.	0.3	0
68	Development of a laser-powered wireless strain gauge device using a continuous-wave laser and photovoltaic cell. Journal of Intelligent Material Systems and Structures, 2016, 27, 2333-2343.	1.4	3
69	Composite NDE using full-field pulse-echo ultrasonic propagation imaging system. , 2016, , .		2
70	Development of single channeled serial-connected piezoelectric sensor array and damage visualization based on multi-source wave propagation imaging. Journal of Intelligent Material Systems and Structures, 2016, 27, 1861-1870.	1.4	7
71	Multiplexed Hard-Polymer-Clad Fiber Temperature Sensor Using An Optical Time-Domain Reflectometer. International Journal of Aeronautical and Space Sciences, 2016, 17, 37-44.	1.0	1
72	FPGA-based design and implementation of data acquisition and real-time processing for laser ultrasound propagation. International Journal of Aeronautical and Space Sciences, 2016, 17, 467-475.	1.0	9

#	ARTICLE	IF	CITATIONS
73	Nondestructive Evaluation Technique of Painted Sandwich Control Surfaces of CN-235 using Full-field Pulse-echo Ultrasonic Propagation Imaging System. Composites Research, 2016, 29, 288-292.	0.1	1
74	Stochastic Wavenumber Estimation: Damage Detection Through Simulated Guided Lamb Waves. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 105-126.	0.3	0
75	Analysis of Time Domain Active Sensing Data from CX-100 Wind Turbine Blade Fatigue Tests for Damage Assessment. Journal of the Korean Society for Nondestructive Testing, 2016, 36, 93-101.	0.2	1
76	Crack detection of immersed metallic structure in water with surface oscillation using scanning laser pulse. International Journal of Computational Methods and Experimental Measurements, 2016, 4, 345-352.	0.1	1
77	A Versatile Inspection System for Pipe Structure Using Ultrasonic Waves Propagation Imager. Journal of Physics: Conference Series, 2015, 628, 012015.	0.3	4
78	Non-destructive visualization of linear explosive-induced Pyroshock using phase arrayed laser-induced shock in a space launcher composite. Journal of Physics: Conference Series, 2015, 628, 012104.	0.3	2
79	Comparative Study of Laser Doppler Vibrometer and Capacitive Air-coupled Transducer for Ultrasonic Propagation Imager and the New Development of an Efficient Ultrasonic Wavenumber Imaging Algorithm. Strain, 2015, 51, 332-342.	1.4	22
80	Spar disbond visualization in in-service composite UAV with ultrasonic propagation imager. Aerospace Science and Technology, 2015, 45, 180-185.	2.5	20
81	Korea Air force standard NDE coupon test of full-field pulse-echo laser ultrasonic propagation imaging system. , 2015, , .		0
82	Live demonstration: LDV_UPI system for structural health monitoring of composite material. , 2015, , .		0
83	Remote imaging of local resonance for inspection of honeycomb sandwich composite panels. , 2015, , .		1
84	Investigation of mobile ultrasonic propagation imager as a tool for composite wind blade quality control. Composite Structures, 2015, 133, 39-45.	3.1	12
85	Visualization and simulation of a linear explosive-induced pyroshock wave using Q-switched laser and phased array transducers in a space launcher composite structure. Optics and Laser Technology, 2015, 67, 12-19.	2.2	19
86	Damage Visualization of Filament Wound Composite Hydrogen Fuel Tank Using Ultrasonic Propagation Imager. Composites Research, 2015, 28, 143-147.	0.1	1
87	Shock Response Spectra Reconstruction of Pointwise Explosive-Induced Pyroshock Based on Signal Processing of Laser Shocks. Shock and Vibration, 2014, 2014, 1-14.	0.3	6
88	Laser Ultrasonic System for Surface Crack Visualization in Dissimilar Welds of Control Rod Drive Mechanism Assembly of Nuclear Power Plant. Shock and Vibration, 2014, 2014, 1-10.	0.3	2
89	Advances in Structural Health Management and Composite Structures 2012. Shock and Vibration, 2014, 2014, 1-1.	0.3	0
90	Development of a Numerical Model for an Expanding Tube with Linear Explosive Using AUTODYN. Shock and Vibration, 2014, 2014, 1-10.	0.3	10

#	ARTICLE	IF	CITATIONS
91	Fully Noncontact Wave Propagation Imaging in an Immersed Metallic Plate with a Crack. Shock and Vibration, 2014, 2014, 1-8.	0.3	7
92	Pointwise Explosive-Induced Pyroshock Wave Prediction Based on Numerical Conditioning of Laser Shocks. Experimental Mechanics, 2014, 54, 1651-1671.	1.1	6
93	International Conference on Advances in Structural Health Management and Composite Structures "ASHMCS 2012. Advanced Composite Materials, 2014, 23, 1-1.	1.0	2
94	Development of wireless laser blade deflection monitoring system for mobile wind turbine management host. Journal of Intelligent Material Systems and Structures, 2014, 25, 1384-1397.	1.4	11
95	Comparative analysis of laser ultrasonic propagation imaging system with capacitance and piezoelectric air-coupled transducers. Journal of Intelligent Material Systems and Structures, 2014, 25, 551-562.	1.4	9
96	Anti-Aliasing for the Visualization of Wavefield Propagation. Applied Mechanics and Materials, 2014, 629, 493-497.	0.2	1
97	A novel fiber optic temperature monitoring sensor using hard-polymer-clad fiber and an optical time-domain reflectometer. Journal of Intelligent Material Systems and Structures, 2014, 25, 654-661.	1.4	5
98	Incipient crack detection in a composite wind turbine rotor blade. Journal of Intelligent Material Systems and Structures, 2014, 25, 613-620.	1.4	18
99	Nondestructive prediction of point source pyroshock response spectra based on experimental conditioning of laser-induced shocks. Optics and Laser Technology, 2014, 61, 24-33.	2.2	22
100	A novel fiber optic bolt loosening monitoring sensor system for aircraft bolt joints. Journal of Intelligent Material Systems and Structures, 2014, 25, 647-653.	1.4	7
101	A review of flaws and damage in space launch vehicles: Motors and engines. Journal of Intelligent Material Systems and Structures, 2014, 25, 524-540.	1.4	17
102	Investigation of laser pulse fatigue effect on unpainted and painted CFRP structures. Composites Part B: Engineering, 2014, 58, 343-351.	5.9	18
103	Monitoring bolt torque levels through signal processing of full-field ultrasonic data. , 2014, , .		5
104	Structural imaging through local wavenumber estimation of guided waves. NDT and E International, 2013, 59, 1-10.	1.7	149
105	Wave Rich Laser Ultrasonic Wavenumber Imaging for Laser Ultrasonic Propagation Imaging System With Air-Coupled Transducer. , 2013, , .		1
106	Development of a novel human-machine interface exploiting sensor substitution for structural health monitoring. , 2013, , .		4
107	Statistical threshold determination method through noise map generation for two dimensional amplitude and time-of-flight mapping of guided waves. Journal of Sound and Vibration, 2013, 332, 1252-1264.	2.1	12
108	Multi-source energy harvesting for wireless SHM systems. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
109	Review of flaws and damages in space launch vehicle: Structures. Journal of Intelligent Material Systems and Structures, 2013, 24, 4-20.	1.4	4
110	<i>In Situ</i> Blade Deflection Monitoring of a Wind Turbine Using a Wireless Laser Displacement Sensor Device within the Tower. Key Engineering Materials, 2013, 558, 84-91.	0.4	6
111	Feasibility of <i>in situ</i> blade deflection monitoring of a wind turbine using a laser displacement sensor within the tower. Smart Materials and Structures, 2013, 22, 027002.	1.8	17
112	Repeat scanning technology for laser ultrasonic propagation imaging. Measurement Science and Technology, 2013, 24, 085201.	1.4	20
113	Multiplexed Fiber Optic Temperature Monitoring Sensor Using Hard-Polymer-Clad Fiber and an Optical Time-Domain Reflectometer. , 2013, , .		0
114	Simultaneous active strain and ultrasonic measurement using fiber acoustic wave piezoelectric transducers. Smart Structures and Systems, 2013, 11, 185-197.	1.9	2
115	Novel Fiber Optic Sensor Probe with a Pair of Highly Reflected Connectors and a Vessel of Water Absorption Material for Water Leak Detection. Sensors, 2012, 12, 10906-10919.	2.1	15
116	Use of Time-Series Predictive Models for Piezoelectric Active-Sensing in Structural Health Monitoring Applications. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.0	15
117	Laser excitation and fully non-contact sensing ultrasonic propagation imaging system for damage evaluation. , 2012, , .		6
118	Radome health management based on synthesized impact detection, laser ultrasonic spectral imaging, and wavelet-transformed ultrasonic propagation imaging methods. Composites Part B: Engineering, 2012, 43, 2898-2906.	5.9	22
119	A Fully Non-Contact Ultrasonic Propagation Imaging System for Closed Surface Crack Evaluation. Experimental Mechanics, 2012, 52, 1111-1122.	1.1	74
120	Effect of Laser Pulse Fatigue on the Mechanical Characteristics of a CFRP Plate. Applied Mechanics and Materials, 2012, 225, 121-126.	0.2	1
121	Loosening Monitoring of Bolted Joints Using Optical Fiber Bending Sensor for Aircraft Lug Assembly. Applied Mechanics and Materials, 2012, 225, 540-545.	0.2	1
122	Composite aircraft debonding visualization by laser ultrasonic scanning excitation and integrated piezoelectric sensing. Structural Control and Health Monitoring, 2012, 19, 605-620.	1.9	31
123	Assessing joint integrity of a lug assembly using piezoelectric active sensors. Structural Control and Health Monitoring, 2012, 19, 621-631.	1.9	15
124	Review of pyroshock wave measurement and simulation for space systems. Measurement: Journal of the International Measurement Confederation, 2012, 45, 631-642.	2.5	78
125	Laser ultrasonic anomalous wave propagation imaging method with adjacent wave subtraction: Application to actual damages in composite wing. Optics and Laser Technology, 2012, 44, 428-440.	2.2	57
126	Laser ultrasonic anomalous wave propagation imaging method with adjacent wave subtraction: Algorithm. Optics and Laser Technology, 2012, 44, 1507-1515.	2.2	65

#	ARTICLE	IF	CITATIONS
127	Design of multiplexed fiber optic chemical sensing system using clad-removable optical fibers. Optics and Laser Technology, 2012, 44, 269-280.	2.2	9
128	A time-of-flight mapping method for laser ultrasound guided in a pipe and its application to wall thinning visualization. NDT and E International, 2011, 44, 680-691.	1.7	38
129	Wave propagation visualization in an experimental model for a control rod drive mechanism assembly. Nuclear Engineering and Design, 2011, 241, 3761-3767.	0.8	6
130	Long distance laser ultrasonic propagation imaging system for damage visualization. Optics and Lasers in Engineering, 2011, 49, 1361-1371.	2.0	51
131	Design of copper/carbon-coated fiber Bragg grating acoustic sensor net for integrated health monitoring of nuclear power plant. Nuclear Engineering and Design, 2011, 241, 1889-1898.	0.8	8
132	Laser ultrasonic propagation imaging method in the frequency domain based on wavelet transformation. Optics and Lasers in Engineering, 2011, 49, 167-175.	2.0	72
133	A lasing wavelength stabilized simultaneous multipoint acoustic sensing system using pressure-coupled fiber Bragg gratings. Optics and Lasers in Engineering, 2011, 49, 110-120.	2.0	8
134	Investigation of cladding and coating stripping methods for specialty optical fibers. Optics and Lasers in Engineering, 2011, 49, 324-330.	2.0	17
135	Development of an Optical System for Simultaneous Ultrasonic Wave Propagation Imaging at Multi-points. Experimental Mechanics, 2010, 50, 1041-1049.	1.1	17
136	Application of ultrasonic wave propagation imaging method to automatic damage visualization of nuclear power plant pipeline. Nuclear Engineering and Design, 2010, 240, 3513-3520.	0.8	64
137	A health management algorithm for composite train carbody based on FEM/FBG hybrid method. Composite Structures, 2010, 92, 1019-1026.	3.1	6
138	Radome Inspection Based on Ultrasonic Frequency Tomography and Ultrasonic Energy Propagation Imaging. , 2010, , .		2
139	Aircraft Wing Inspection Based on Anomalous Wave Propagation Imaging. Advanced Materials Research, 2010, 123-125, 879-882.	0.3	2
140	Design of resonant acoustic sensors using fiber Bragg gratings. Measurement Science and Technology, 2010, 21, 057001.	1.4	13
141	Ultrasonic Propagation Imaging for Wind Turbine Blade Quality Evaluation. Advanced Materials Research, 2010, 123-125, 847-850.	0.3	4
142	All-Fiber Optic Chemical Sensors for Public Safety Monitoring. Advanced Materials Research, 2010, 123-125, 855-858.	0.3	2
143	Design of Fiber Bragg Grating Acoustic Sensor for Structural Health Monitoring of Nuclear Power Plant. Advanced Materials Research, 2010, 123-125, 859-862.	0.3	7
144	A structural corrosion-monitoring sensor based on a pair of prestrained fiber Bragg gratings. Measurement Science and Technology, 2010, 21, 017002.	1.4	27

#	ARTICLE	IF	CITATIONS
145	A review of health and operation monitoring technologies for trains. Smart Structures and Systems, 2010, 6, 1079-1105.	1.9	35
146	Structural damage identification based on laser ultrasonic propagation imaging technology. Proceedings of SPIE, 2009, , .	0.8	7
147	Ultrasonic Active Fiber Sensor based on Pulse-echo Method. Journal of Intelligent Material Systems and Structures, 2009, 20, 1035-1043.	1.4	6
148	Hot target inspection using a welded fibre acoustic wave piezoelectric sensor and a laser-ultrasonic mirror scanner. Measurement Science and Technology, 2009, 20, 127003.	1.4	20
149	Buckling behavior monitoring of a composite wing box using multiplexed and multi-channeled built-in fiber Bragg grating strain sensors. NDT and E International, 2008, 41, 534-543.	1.7	24
150	Thermo Elastic Analysis of a Type 3 Cryogenic Tank Considering Curing Temperature and Autofrettage Pressure. Journal of Reinforced Plastics and Composites, 2008, 27, 459-472.	1.6	12
151	Structural health monitoring for a wind turbine system: a review of damage detection methods. Measurement Science and Technology, 2008, 19, 122001.	1.4	569
152	Simultaneous multipoint acoustic emission sensing using fibre acoustic wave grating sensors with identical spectrum. Journal of Optics, 2008, 10, 085307.	1.5	24
153	Fiber Sensor Based on Piezoelectric Ultrasonic Wave. Journal of Intelligent Material Systems and Structures, 2008, 19, 299-304.	1.4	4
154	Investigation of shear distance in Michelson interferometer-based shearography for mechanical characterization. Measurement Science and Technology, 2008, 19, 115303.	1.4	21
155	Nondestructive detection of delamination and debonding of CFRP by a laser-based ultrasonic visualization method. , 2007, 6531, 47.		3
156	Apodized fibre Bragg grating acousto-ultrasonic sensor under arbitrary strain using dual Fabry-Perot filters. Journal of Optics, 2007, 9, 95-100.	1.5	12
157	Simultaneous multipoint acousto-ultrasonic sensing based on fiber wave Bragg grating sensors. , 2007, , .		1
158	Disbond monitoring at wing stringer tip based on built-in ultrasonic transducers and a pulsed laser. Smart Materials and Structures, 2007, 16, 1025-1035.	1.8	39
159	Health monitoring of complex curved structures using an ultrasonic wavefield propagation imaging system. Measurement Science and Technology, 2007, 18, 3816-3824.	1.4	49
160	Investigation of fatigue crack in stainless steel using a mobile fiber Bragg grating ultrasonic sensor. Optical Fiber Technology, 2007, 13, 209-214.	1.4	41
161	Strain and damage monitoring of CFRP in impact loading using a fiber Bragg grating sensor system. Composites Science and Technology, 2007, 67, 1353-1361.	3.8	25
162	Impact wave and damage detections using a strain-free fiber Bragg grating ultrasonic receiver. NDT and E International, 2007, 40, 85-93.	1.7	39

#	ARTICLE	IF	CITATIONS
163	Single-mode fibre optic Bragg grating sensing on the base of birefringence in surface-mounting and embedding applications. Optics and Laser Technology, 2007, 39, 157-164.	2.2	26
164	Investigation of a fibre wave piezoelectric transducer. Measurement Science and Technology, 2006, 17, 2414-2420.	1.4	32
165	Impact damage monitoring in CFRP using fiber Bragg grating ultrasound sensors. , 2006, , .		0
166	Sensor application of fibre ultrasonic waveguide. Measurement Science and Technology, 2006, 17, 1235-1235.	1.4	1
167	Diffraction grating interferometers for mechanical characterisations of advanced fabric laminates. Optics and Laser Technology, 2006, 38, 51-66.	2.2	8
168	Monitoring of cracks at an open hole using built-in fibre wave piezoelectric transducers. Measurement Science and Technology, 2006, 17, 2643-2649.	1.4	6
169	Fatigue crack propagation monitoring of stainless steel using fiber Bragg grating ultrasound sensors. Smart Materials and Structures, 2006, 15, 1429-1437.	1.8	25
170	Sensor application of fibre ultrasonic waveguide. Measurement Science and Technology, 2006, 17, 645-652.	1.4	33
171	Acousto-ultrasonic sensing using capsular fibre Bragg gratings for temperature compensation. Measurement Science and Technology, 2006, 17, 2920-2926.	1.4	22
172	A novel fiber Bragg grating acoustic emission sensor head for mechanical tests. Scripta Materialia, 2005, 53, 1181-1186.	2.6	52
173	Spatial resolution and resolution in phase-shifting laser interferometry. Measurement Science and Technology, 2005, 16, 2525-2533.	1.4	12
174	Fiber optic liquid leak detection technique with an ultrasonic actuator and a fiber Bragg grating. Optics Letters, 2005, 30, 3293.	1.7	29
175	Digital phase-shifting grating shearography for experimental analysis of fabric composites under tension. Composites Part A: Applied Science and Manufacturing, 2004, 35, 849-859.	3.8	44
176	Application of grating shearography and speckle shearography to mechanical analysis of composite material. Composites Part A: Applied Science and Manufacturing, 2004, 35, 965-976.	3.8	30
177	In-flight health monitoring of a subscale wing using a fiber Bragg grating sensor system. Smart Materials and Structures, 2003, 12, 147-155.	1.8	73
178	Application of grating shearography to the experimental analysis of a single fabric lamina under tensile loading. , 2002, 4778, 257.		0
179	<title>Buckling behavior monitoring of composite wing box model using fiber Bragg grating sensor system</title>. , 2001, , .		9
180	Structural Health Monitoring of Research-Scale Wind Turbine Blades. Key Engineering Materials, 0, 558, 364-373.	0.4	1

#	ARTICLE	IF	CITATIONS
181	Imaging and Characterizing Structural Defects through the Estimation of Local Dispersion Curves. Key Engineering Materials, 0, 569-570, 956-961.	0.4	2
182	Novel distance-based slicing algorithm for ultrasonic propagation imaging. Structural Control and Health Monitoring, 0, , e2846.	1.9	0
183	Advances in Smart Hangar and Its Real-world Applications. , 0, , .		0
184	Development of Laser-powered Wireless Ultrasonic Device for Aircraft Structural Health Monitoring. , 0, , .		0
185	Development of Wireless Ultrasonic Propagation Imaging System. , 0, , .		0