

Kiyoung Kim

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

529
citations

933447

10
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualization of hidden delamination and debonding in composites through noncontact laser ultrasonic scanning. Composites Science and Technology, 2014, 100, 10-18.	7.8	171
2	Autonomous dynamic displacement estimation from data fusion of acceleration and intermittent displacement measurements. Mechanical Systems and Signal Processing, 2014, 42, 194-205.	8.0	78
3	An Overview of Non-Destructive Testing Methods for Integrated Circuit Packaging Inspection. Sensors, 2018, 18, 1981.	3.8	77
4	Structural displacement estimation through multi-rate fusion of accelerometer and RTK-GPS displacement and velocity measurements. Measurement: Journal of the International Measurement Confederation, 2018, 130, 223-235.	5.0	45
5	A Reference-Free and Non-Contact Method for Detecting and Imaging Damage in Adhesive-Bonded Structures Using Air-Coupled Ultrasonic Transducers. Materials, 2017, 10, 1402.	2.9	21
6	A Real-Time, Non-Contact Method for In-Line Inspection of Oil and Gas Pipelines Using Optical Sensor Array. Sensors, 2019, 19, 3615.	3.8	21
7	Development of a High Precision Displacement Measurement System by Fusing a Low Cost RTK-GPS Sensor and a Force Feedback Accelerometer for Infrastructure Monitoring. Sensors, 2017, 17, 2745.	3.8	19
8	Automated detection and quantification of hidden voids in triplex bonding layers using active lock-in thermography. NDT and E International, 2015, 74, 94-105.	3.7	16
9	Dynamic displacement measurement of a vibratory object using a terrestrial laser scanner. Measurement Science and Technology, 2015, 26, 045002.	2.6	16
10	Visualization of non-propagating Lamb wave modes for fatigue crack evaluation. Journal of Applied Physics, 2015, 117, .	2.5	12
11	Femtosecond laser ultrasonic inspection of a moving object and its application to estimation of silicon wafer coating thickness. Optics and Lasers in Engineering, 2022, 148, 106778.	3.8	12
12	Reference-free delamination detection using Lamb waves. Structural Control and Health Monitoring, 2013, 21, n/a-n/a.	4.0	11
13	Development of a tunable low-frequency vibration energy harvester and its application to a self-contained wireless fatigue crack detection sensor. Structural Health Monitoring, 2019, 18, 920-933.	7.5	11
14	Dynamic Displacement Estimation for Long-Span Bridges Using Acceleration and Heuristically Enhanced Displacement Measurements of Real-Time Kinematic Global Navigation System. Sensors, 2020, 20, 5092.	3.8	7
15	Ultrafast nonlinear ultrasonic measurement using femtosecond laser and modified lock-in detection. Optics and Lasers in Engineering, 2022, 150, 106844.	3.8	6
16	Autonomous mobile lock-in thermography system for detecting and quantifying voids in liquefied natural gas cargo tank second barrier. Structural Health Monitoring, 2017, 16, 276-290.	7.5	3
17	Estimation of Silicon Wafer Coating Thickness Using Ultrasound Generated by Femtosecond Laser. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 2021, 4, .	0.9	2
18	Multifunctional Smart Ball Sensor for Wireless Structural Health Monitoring in a Fire Situation. Sensors, 2020, 20, 4328.	3.8	0

#	ARTICLE	IF	CITATIONS
19	Development of novel integrated in-line inspection techniques for pipeline inspection. , 2020, , .		0