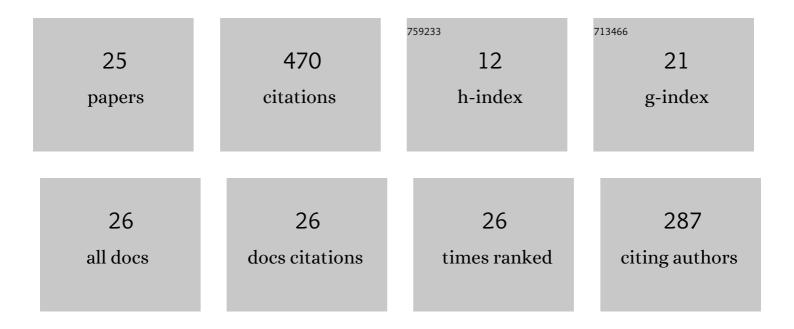
Wontae Kim

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A numerical–thermal–thermographic NDT evaluation of an ancient marquetry integrated with X-ray and XRF surveys. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2265-2279.	3.6	8
2	Thermographic Inspection of CLP Defects on the Subsurface Based on Binary Image. International Journal of Precision Engineering and Manufacturing, 2022, 23, 269-279.	2.2	5
3	Binarization Mechanism Evaluation for Water Ingress Detectability in Honeycomb Sandwich Structure Using Lock-In Thermography. Materials, 2022, 15, 2333.	2.9	7
4	Defect Recognition and Morphology Operation in Binary Images Using Line-Scanning-Based Induction Thermography. Applied Sciences (Switzerland), 2022, 12, 6006.	2.5	6
5	Thermographic inspection of water ingress in composite honeycomb sandwich structure: a quantitative comparison among Lock-in thermography algorithms. Quantitative InfraRed Thermography Journal, 2021, 18, 92-107.	4.2	22
6	Binarization Mechanism for Detectability Enhancement using Lock-in Infrared Thermography. Journal of the Korean Society for Nondestructive Testing, 2021, 41, 79-86.	0.2	3
7	Automated Defect Detection Using Threshold Value Classification Based on Thermographic Inspection. Applied Sciences (Switzerland), 2021, 11, 7870.	2.5	12
8	Latest Advances in Common Signal Processing of Pulsed Thermography for Enhanced Detectability: A Review. Applied Sciences (Switzerland), 2021, 11, 12168.	2.5	17
9	Thermographic Inspection of Internal Defects in Steel Structures: Analysis of Signal Processing Techniques in Pulsed Thermography. Sensors, 2020, 20, 6015.	3.8	27
10	Quantitative Characteristics of Defect Dimension based on Line Scanning Method of Induction Infrared Thermography. Journal of the Korean Society for Nondestructive Testing, 2020, 40, 397-403.	0.2	1
11	Infrared Thermographic Image Analysis using Singular Value Decomposition for Thinning Detection of Containment Liner Plate. Journal of the Korean Society for Nondestructive Testing, 2020, 40, 428-434.	0.2	1
12	Optimization Method for evaluating Essential Factors of Plate Backside Thinning Defects using Lock-in Thermography. Journal of the Korean Society for Nondestructive Testing, 2020, 40, 452-459.	0.2	3
13	Wavelet transform applied to lock-in thermographic data for detection of inclusions in composite structures: Simulation and experimental studies. Infrared Physics and Technology, 2019, 96, 98-112.	2.9	16
14	Non-destructive testing and evaluation of materials using active thermography and enhancement of signal to noise ratio through data fusion. Infrared Physics and Technology, 2018, 94, 78-84.	2.9	31
15	Evaluation of coating thickness by thermal wave imaging: A comparative study of pulsed and lock-in infrared thermography – Part II: Experimental investigation. Infrared Physics and Technology, 2018, 92, 24-29.	2.9	52
16	Investigation on Topcoat Uniformity of Thermal Barrier Coating Using Pulsed Infrared Thermography. Journal of the Korean Society for Nondestructive Testing, 2018, 38, 114-119.	0.2	1
17	Evaluation of coating thickness by thermal wave imaging: A comparative study of pulsed and lock-in infrared thermography – Part I: Simulation. Infrared Physics and Technology, 2017, 83, 124-131.	2.9	51
18	Application of thermal wave imaging and phase shifting method for defect detection in Stainless steel. Infrared Physics and Technology, 2016, 76, 676-683.	2.9	27

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#	Article	IF	CITATIONS
19	Quantification of defects depth in glass fiber reinforced plastic plate by infrared lock-in thermography. Journal of Mechanical Science and Technology, 2016, 30, 1111-1118.	1.5	32
20	Thermal Behavior Variations in Coating Thickness Using Pulse Phase Thermography. Journal of the Korean Society for Nondestructive Testing, 2016, 36, 259-265.	0.2	13
21	Investigation of lock-in infrared thermography for evaluation of subsurface defects size and depth. International Journal of Precision Engineering and Manufacturing, 2015, 16, 2255-2264.	2.2	50
22	OS11F126 Development of Composite Specimens for Infrared Thermography Nondestructive Inspection. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS11F126OS11F126	0.0	0
23	OS11-2-4 Development of Composite Specimens for Infrared Thermography Nondestructive Inspection. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS11-2-4	0.0	Ο
24	Quantitative determination of a subsurface defect of reference specimen by lock-in infrared thermography. NDT and E International, 2008, 41, 119-124.	3.7	79
25	INSPECTION OF IMPACT DAMAGE IN HONEYCOMB COMPOSITE BY ESPI, THERMOGRAPHY AND ULTRASONIC TESTING. International Journal of Modern Physics B, 2008, 22, 1033-1038.	2.0	6