

# Changgil Lee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10131125/publications.pdf>

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12  
papers

175  
citations

1163117

8  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

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times ranked

163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nondestructive Concrete Strength Estimation based on Electro-Mechanical Impedance with Artificial Neural Network. <i>Journal of Advanced Concrete Technology</i> , 2017, 15, 94-102.	1.8	34
2	Magnetic Flux Leakage Sensing-Based Steel Cable NDE Technique. <i>Shock and Vibration</i> , 2014, 2014, 1-8.	0.6	27
3	Real-time strength development monitoring for concrete structures using wired and wireless electro-mechanical impedance techniques. <i>KSCE Journal of Civil Engineering</i> , 2013, 17, 1432-1436.	1.9	24
4	Damage visualization of pipeline structures using laser-induced ultrasonic waves. <i>Structural Health Monitoring</i> , 2015, 14, 475-488.	7.5	22
5	Comparison Study between RMS and Edge Detection Image Processing Algorithms for a Pulsed Laser UWPI (Ultrasonic Wave Propagation Imaging)-Based NDT Technique. <i>Sensors</i> , 2017, 17, 1224.	3.8	15
6	Flaw Imaging Technique for Plate-Like Structures Using Scanning Laser Source Actuation. <i>Shock and Vibration</i> , 2014, 2014, 1-14.	0.6	12
7	Damage Localization for CFRP-Debonding Defects Using Piezoelectric SHM Techniques. <i>Research in Nondestructive Evaluation</i> , 2012, 23, 183-196.	1.1	10
8	Visualization of Fatigue Cracks at Structural Members Using a Pulsed Laser Scanning System. <i>Research in Nondestructive Evaluation</i> , 2015, 26, 123-132.	1.1	10
9	Improving the Ability of a Laser Ultrasonic Wave-Based Detection of Damage on the Curved Surface of a Pipe Using a Deep Learning Technique. <i>Sensors</i> , 2021, 21, 7105.	3.8	8
10	Advanced Fatigue Crack Detection Using Nonlinear Self-Sensing Impedance Technique for Automated NDE of Metallic Structures. <i>Research in Nondestructive Evaluation</i> , 2015, 26, 107-121.	1.1	7
11	Development of piezoelectric energy harvesting modules for impedance-based wireless structural health monitoring system. <i>KSCE Journal of Civil Engineering</i> , 2013, 17, 746-752.	1.9	6
12	Residual tensile force estimation method for earth anchor using elasto-magnetic sensing system. <i>PLoS ONE</i> , 2022, 17, e0264078.	2.5	0