

# Junkeyeong Kim

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16  
papers

107  
citations

6  
h-index

10  
g-index

21  
ext. papers

147  
ext. citations

3  
avg, IF

2.82  
L-index

#	Paper	IF	Citations
16	Nondestructive Concrete Strength Estimation based on Electro-Mechanical Impedance with Artificial Neural Network. <i>Journal of Advanced Concrete Technology</i> , <b>2017</b> , 15, 94-102	2.3	24
15	Integrating embedded piezoelectric sensors with continuous wavelet transforms for real-time concrete curing strength monitoring. <i>Structure and Infrastructure Engineering</i> , <b>2015</b> , 11, 897-903	2.9	17
14	Artificial Neural Network-Based Early-Age Concrete Strength Monitoring Using Dynamic Response Signals. <i>Sensors</i> , <b>2017</b> , 17,	3.8	15
13	Development of Embedded EM Sensors for Estimating Tensile Forces of PSC Girder Bridges. <i>Sensors</i> , <b>2017</b> , 17,	3.8	11
12	Advanced Fatigue Crack Detection Using Nonlinear Self-Sensing Impedance Technique for Automated NDE of Metallic Structures. <i>Research in Nondestructive Evaluation</i> , <b>2015</b> , 26, 107-121	0.9	7
11	Real-Time Strength Monitoring for Concrete Structures Using EMI Technique Incorporating with Fuzzy Logic. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 75	2.6	7
10	Comparative Analysis and Strength Estimation of Fresh Concrete Based on Ultrasonic Wave Propagation and Maturity Using Smart Temperature and PZT Sensors. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	6
9	Investigation of Applicability of an Embedded EM Sensor to Measure the Tension of a PSC Girder. <i>Journal of Sensors</i> , <b>2019</b> , 2019, 1-12	2	5
8	Improvement of GPR-Based Rebar Diameter Estimation Using YOLO-v3. <i>Remote Sensing</i> , <b>2021</b> , 13, 2011	5	4
7	ANN-based tensile force estimation for pre-stressed tendons of PSC girders using FBG/EM hybrid sensing. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , <b>2017</b> , 59, 544-552	1.3	3
6	Field applicability of a machine learning-based tensile force estimation for pre-stressed concrete bridges using an embedded elasto-magnetic sensor. <i>Structural Health Monitoring</i> , <b>2020</b> , 19, 281-292	4.4	3
5	Fuzzy Logic-Based and Nondestructive Concrete Strength Evaluation Using Modified Carbon Nanotubes as a Hybrid PZT-CNT Sensor. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
4	Recovery of Forest Vegetation in a Burnt Area in the Republic of Korea: A Perspective Based on Sentinel-2 Data. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2570	2.6	1
3	Bluetooth Load-Cell-Based Support-Monitoring System for Safety Management at a Construction Site. <i>Sensors</i> , <b>2022</b> , 22, 3955	3.8	1
2	Residual tensile force estimation method for earth anchor using elasto-magnetic sensing system.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0264078	3.7	
1	Monitoring of the Operating Membrane Condition Using PZT Based EMI of External Steel Pipe. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3407	3	