

# Junkeyeong Kim

## List of Publications by Year in descending order

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21  
papers

189  
citations

1039880

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docs citations

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times ranked

124  
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.	0.8	34
2	Artificial Neural Network-Based Early-Age Concrete Strength Monitoring Using Dynamic Response Signals. <i>Sensors</i> , 2017, 17, 1319.	2.1	24
3	Integrating embedded piezoelectric sensors with continuous wavelet transforms for real-time concrete curing strength monitoring. <i>Structure and Infrastructure Engineering</i> , 2015, 11, 897-903.	2.0	23
4	Improvement of GPR-Based Rebar Diameter Estimation Using YOLO-v3. <i>Remote Sensing</i> , 2021, 13, 2011.	1.8	17
5	Real-Time Strength Monitoring for Concrete Structures Using EMI Technique Incorporating with Fuzzy Logic. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 75.	1.3	15
6	Development of Embedded EM Sensors for Estimating Tensile Forces of PSC Girder Bridges. <i>Sensors</i> , 2017, 17, 1989.	2.1	14
7	Comparative Analysis and Strength Estimation of Fresh Concrete Based on Ultrasonic Wave Propagation and Maturity Using Smart Temperature and PZT Sensors. <i>Micromachines</i> , 2019, 10, 559.	1.4	12
8	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> , 2020, 19, 281-292.	4.3	12
9	Investigation of Applicability of an Embedded EM Sensor to Measure the Tension of a PSC Girder. <i>Journal of Sensors</i> , 2019, 2019, 1-12.	0.6	10
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.	0.5	7
11	Fuzzy Logic-Based and Nondestructive Concrete Strength Evaluation Using Modified Carbon Nanotubes as a Hybrid PZT-CNT Sensor. <i>Materials</i> , 2021, 14, 2953.	1.3	6
12	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> , 2017, 59, 544-552.	0.3	5
13	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> , 2021, 11, 2570.	1.3	4
14	Bluetooth Load-Cell-Based Support-Monitoring System for Safety Management at a Construction Site. <i>Sensors</i> , 2022, 22, 3955.	2.1	3
15	Verification of Tensile Force Estimation Method for Temporary Steel Rods of FCM Bridges Based on Area of Magnetic Hysteresis Curve Using Embedded Elasto-Magnetic Sensor. <i>Sensors</i> , 2022, 22, 1005.	2.1	2
16	Applicability investigation of piezoelectric sensor-based damage detection technique for membrane. , 0, 143, 24-28.		1
17	RBFN based Tensile Force Estimation using Embedded EM Sensor. , 2019, , .		0
18	Estimation of Early-Age Strength of Alkali Activated Slag Concrete Using Embedded Piezoelectric Sensors. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Residual tensile force estimation method for earth anchor using elasto-magnetic sensing system. PLoS ONE, 2022, 17, e0264078.	1.1	0
20	Monitoring of the Operating Membrane Condition Using PZT Based EMI of External Steel Pipe. Water (Switzerland), 2021, 13, 3407.	1.2	0
21	Performance Assessment of Concrete Using Discarded Membrane Filter Materials. Water (Switzerland), 2022, 14, 2167.	1.2	0