

# Min-Koo 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.

27 papers	920 citations	17 h-index	29 g-index
29 ext. papers	1,212 ext. citations	7 avg, IF	5.09 L-index

#	Paper	IF	Citations
27	A framework for dimensional and surface quality assessment of precast concrete elements using BIM and 3D laser scanning. <i>Automation in Construction</i> , <b>2015</b> , 49, 225-238	9.6	118
26	Applications of 3D point cloud data in the construction industry: A fifteen-year review from 2004 to 2018. <i>Advanced Engineering Informatics</i> , <b>2019</b> , 39, 306-319	7.4	110
25	Automated dimensional quality assurance of full-scale precast concrete elements using laser scanning and BIM. <i>Automation in Construction</i> , <b>2016</b> , 72, 102-114	9.6	105
24	Impedance based damage detection under varying temperature and loading conditions. <i>NDT and E International</i> , <b>2011</b> , 44, 740-750	4.1	72
23	Automated quality assessment of precast concrete elements with geometry irregularities using terrestrial laser scanning. <i>Automation in Construction</i> , <b>2016</b> , 68, 170-182	9.6	71
22	Localization and Quantification of Concrete Spalling Defects Using Terrestrial Laser Scanning. <i>Journal of Computing in Civil Engineering</i> , <b>2015</b> , 29, 04014086	5	62
21	Automated dimensional quality assessment of precast concrete panels using terrestrial laser scanning. <i>Automation in Construction</i> , <b>2014</b> , 45, 163-177	9.6	58
20	Automated re-prefabrication system for buildings using robotics. <i>Automation in Construction</i> , <b>2017</b> , 83, 184-195	9.6	37
19	An Application Oriented Scan-to-BIM Framework. <i>Remote Sensing</i> , <b>2019</b> , 11, 365	5	34
18	Non-contact sensing based geometric quality assessment of buildings and civil structures: A review. <i>Automation in Construction</i> , <b>2019</b> , 100, 163-179	9.6	33
17	Real-time simulation of construction workers using combined human body and hand tracking for robotic construction worker system. <i>Automation in Construction</i> , <b>2018</b> , 86, 125-137	9.6	30
16	Automated dimensional quality assessment for formwork and rebar of reinforced concrete components using 3D point cloud data. <i>Automation in Construction</i> , <b>2020</b> , 112, 103077	9.6	24
15	A Suitability Analysis of Precast Components for Standardized Bridge Construction in the United Kingdom. <i>Procedia Engineering</i> , <b>2016</b> , 164, 188-195		24
14	Airplane hot spot monitoring using integrated impedance and guided wave measurements. <i>Structural Control and Health Monitoring</i> , <b>2012</b> , 19, 592-604	4.5	22
13	Surface flatness and distortion inspection of precast concrete elements using laser scanning technology. <i>Smart Structures and Systems</i> , <b>2016</b> , 18, 601-623		22
12	Reference-free impedance-based crack detection in plates. <i>Journal of Sound and Vibration</i> , <b>2011</b> , 330, 5949-5962	3.9	18
11	Application of Local Reference-Free Damage Detection Techniques to In Situ Bridges. <i>Journal of Structural Engineering</i> , <b>2014</b> , 140, 04013069	3	17

10	A mirror-aided laser scanning system for geometric quality inspection of side surfaces of precast concrete elements. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 141, 420-428	4.6	15
9	Automated rebar diameter classification using point cloud data based machine learning. <i>Automation in Construction</i> , <b>2021</b> , 122, 103476	9.6	12
8	Investigating electro-mechanical signals from collocated piezoelectric wafers for the reference-free damage diagnosis of a plate. <i>Smart Materials and Structures</i> , <b>2011</b> , 20, 065001	3.4	10
7	Piezoelectric transducers for assessing and monitoring civil infrastructures <b>2014</b> , 86-120		8
6	Reducing Greenhouse Gas Emission of Construction Equipment at Construction Sites: Field Study Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2019</b> , 145, 05019012	4.2	4
5	Mirror-aided registration-free geometric quality inspection of planar-type prefabricated elements using terrestrial laser scanning. <i>Automation in Construction</i> , <b>2021</b> , 121, 103442	9.6	4
4	Laser Scanning Based Surface Flatness Measurement Using Flat Mirrors for Enhancing Scan Coverage Range. <i>Remote Sensing</i> , <b>2021</b> , 13, 714	5	4
3	Use Cases for Subcontractors and Fabricators <b>2020</b> , 315-361		2
2	Geometrical model based scan planning approach for the classification of rebar diameters. <i>Automation in Construction</i> , <b>2021</b> , 130, 103848	9.6	2
1	Registration-free point cloud generation technique using rotating mirrors. <i>Computer-Aided Civil and Infrastructure Engineering</i> ,	8.4	1