

# Hyungchul Yoon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8406133/publications.pdf>

Version: 2024-02-01

21  
papers

701  
citations

933264

10  
h-index

839398

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vision-Based Cable Displacement Measurement Using Side View Video. <i>Sensors</i> , 2022, 22, 962.	2.1	13
2	Vision-Based automatic cable displacement measurement using Cable-ROI Net and Uni-KLT. <i>Structural Control and Health Monitoring</i> , 2022, 29, .	1.9	10
3	Development of a Student-Centric Cyber-Physical System (SCPS): An Android App for Interactive Learning of Structural Analysis and Dynamics. , 2022, , .		0
4	Vision-Based Structural FE Model Updating Using Genetic Algorithm. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1622.	1.3	10
5	Evaluation of Soil-Structure Interaction in Structure Models via Shaking Table Test. <i>Sustainability</i> , 2021, 13, 4995.	1.6	13
6	Semantic Structure from Motion for Railroad Bridges Using Deep Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4332.	1.3	7
7	Automatic Bridge Design Parameter Extraction for Scan-to-BIM. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7346.	1.3	21
8	Proposed Equations for Calculating Dynamic Hydraulic Pressure in a Rectangular Structure. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8406.	1.3	1
9	Development of FE Model Updating for Three-Story Building considering Soil-Structure Interaction. <i>Korean Society of Hazard Mitigation</i> , 2020, 20, 261-270.	0.1	0
10	Non-Target Structural Displacement Measurement Using Reference Frame-Based Deepflow. <i>Sensors</i> , 2019, 19, 2992.	2.1	23
11	A Framework of Human-Motion Based Structural Dynamics Simulation Using Mobile Devices. <i>Sensors</i> , 2019, 19, 3258.	2.1	1
12	Vision-Based Modal Survey of Civil Infrastructure Using Unmanned Aerial Vehicles. <i>Journal of Structural Engineering</i> , 2019, 145, .	1.7	99
13	Real-time Pedestrian Dynamic-load Localization using Vision-based Motion Sensing. <i>Korean Society of Hazard Mitigation</i> , 2019, 19, 323-330.	0.1	2
14	Motion and Visual Data-Driven Distant Object Localization for Field Reporting. <i>Journal of Computing in Civil Engineering</i> , 2018, 32, 04018020.	2.5	10
15	Structural Displacement Measurement Using an Unmanned Aerial System. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2018, 33, 183-192.	6.3	159
16	Visual-inertial displacement sensing using data fusion of vision-based displacement with acceleration. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2122.	1.9	49
17	Cross-Correlation-Based Structural System Identification Using Unmanned Aerial Vehicles. <i>Sensors</i> , 2017, 17, 2075.	2.1	61
18	Forward-Backward Approach for 3D Event Localization Using Commodity Smartphones for Ubiquitous Context-Aware Applications in Civil and Infrastructure Engineering. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016, 31, 245-260.	6.3	5

#	ARTICLE	IF	CITATIONS
19	Improving Situational Awareness of the As-Is Building Conditions through Multi-Modal Sensing and Analytics Using Thermal Camera-Equipped Smartphones. , 2016, , .		1
20	Target-free approach for vision-based structural system identification using consumer-grade cameras. Structural Control and Health Monitoring, 2016, 23, 1405-1416.	1.9	196
21	Victim Localization and Assessment System for Emergency Responders. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	20