Jungwon Huh

List of Publications by Year
in descending order

52 papers	733 citations	567281 15 h-index	580821 25 g-index
53 all docs	53 docs citations	53 times ranked	462 citing authors

#	Article	IF	Citations
1	Efficient approach for calibration of load and resistance factors in the limit state design of a breakwater foundation. Ocean Engineering, 2022, 251, 111170.	4.3	6
2	Fragility-based seismic performance assessment of modular underground arch bridges. Structures, 2022, 39, 1218-1230.	3.6	9
3	Seismic response of a container crane subjected to ground motions. Applied Ocean Research, 2022, 126, 103270.	4.1	6
4	Seismic Response of Container Crane under Near-Field and Far-Field Ground Motions. Applied Sciences (Switzerland), 2021, 11, 1740.	2.5	7
5	Calibration of Load and Resistance Factors for Breakwater Foundations under the Earthquake Loading. Sustainability, 2021, 13, 1730.	3.2	8
6	Lifting Test and Analysis of a Segmented Arch System with Outrigger Ribs and Flexural Loading Tests of Precast Panels. KSCE Journal of Civil Engineering, 2021, 25, 4285.	1.9	1
7	Seismic response investigation of 1/20 scale container crane through shake table test and finite element analysis. Ocean Engineering, 2021, 234, 109266.	4.3	10
8	Full-scale field testing of a precast concrete buried arch bridge with steel outriggers: Field loading test. Engineering Structures, 2021, 242, 112563.	5.3	5
9	Shake table testing for the seismic response of a container crane with uplift and derailment. Applied Ocean Research, 2021, 114, 102811.	4.1	9
10	A comprehensive study on identification of both deck and soffit defects in concrete bridge decks through thermographic investigation of shaded side under natural conditions. Construction and Building Materials, 2021, 303, 124452.	7.2	9
11	Finite element analysis-aided seismic behavior examination of modular underground arch bridge. Tunnelling and Underground Space Technology, 2021, 118, 104166.	6.2	5
12	Calibration of Load and Resistance Factors for Breakwater Foundation Design. Application on Different Types of Superstructures. Journal of Korean Society of Coastal and Ocean Engineers, 2021, 33, 287-292.	0.4	0
13	Behavior of bolt-connected steel plate girder attributable to bolt loosening failure in the lower flange. Engineering Failure Analysis, 2020, 107, 104208.	4.0	8
14	Autogenous healing of high strength engineered cementitious composites (ECC) using calcium-containing binders. Construction and Building Materials, 2020, 265, 120857.	7.2	24
15	Structural Performance of a Segmental Precast Arch System with Outrigger by Sectional Geometry of Structural Member. KSCE Journal of Civil Engineering, 2020, 24, 3356-3375.	1.9	4
16	Probabilistic Risk Evaluation for Overall Stability of Composite Caisson Breakwaters in Korea. Journal of Marine Science and Engineering, 2020, 8, 148.	2.6	13
17	Thermography-Based Deterioration Detection in Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer. Sensors, 2020, 20, 3263.	3.8	13
18	Thermal Data Fusion for Building Insulation. , 2019, , .		5

#	Article	IF	Citations
19	Effects of Boundary Condition Models on the Seismic Responses of a Container Crane. Applied Sciences (Switzerland), 2019, 9, 241.	2.5	13
20	A Clue to Discovering Unstable Hemoglobin Variants via Abnormal WBC Differential Scattergrams Using the Sysmex Automated Hematology Analyzer. Laboratory Medicine Online, 2019, 9, 84.	0.2	0
21	The Performance Assessment of a Precast, Panel-Segmented Arch Bridge with Outriggers. Applied Sciences (Switzerland), 2019, 9, 4646.	2.5	8
22	Fragility Assessment of a Container Crane under Seismic Excitation Considering Uplift and Derailment Behavior. Applied Sciences (Switzerland), 2019, 9, 4660.	2.5	9
23	Detection of Delamination with Various Width-to-depth Ratios in Concrete Bridge Deck Using Passive IRT: Limits and Applicability. Materials, 2019, 12, 3996.	2.9	25
24	Analytical Performance of INNOVANCE Free Protein S Antigen on Sysmex CS-5100. Laboratory Medicine Online, 2019, 9, 1.	0.2	0
25	Self-healing properties of cement-based and alkali-activated slag-based fiber-reinforced composites. Construction and Building Materials, 2018, 165, 801-811.	7.2	45
26	Detectability of Subsurface Defects with Different Width-to-Depth Ratios in Concrete Structures Using Pulsed Thermography. Journal of Nondestructive Evaluation, 2018, 37, 1.	2.4	21
27	Sensitivity Analysis for Ship-to-Shore Container Crane Design. Applied Sciences (Switzerland), 2018, 8, 1667.	2.5	14
28	Detectability of Delamination in Concrete Structure Using Active Infrared Thermography in Terms of Signal-to-Noise Ratio. Applied Sciences (Switzerland), 2018, 8, 1986.	2.5	18
29	Evaluation of Residual Compressive Strength and Behavior of Corrosion-Damaged Carbon Steel Tubular Members. Materials, 2018, 11, 1254.	2.9	6
30	Effects of rebars on the detectability of subsurface defects in concrete bridges using square pulse thermography. NDT and E International, 2018, 100, 92-100.	3.7	25
31	Comparative Study of Nonlinear Static and Time-History Analyses of Typical Korean STS Container Cranes. Advances in Civil Engineering, 2018, 2018, 1-13.	0.7	12
32	Efficient seamline determination for UAV image mosaicking using edge detection. Remote Sensing Letters, 2018, 9, 763-769.	1.4	6
33	Evaluation of Self-Healing Performance of PE and PVA Concrete Using Flexural Test. Advances in Materials Science and Engineering, 2018, 2018, 1-10.	1.8	4
34	Effect of corrosion on the tension behavior of painted structural steel members. Journal of Constructional Steel Research, 2017, 133, 256-268.	3.9	23
35	Residual clamping force of bolt connections caused by sectional damage of nuts. Journal of Constructional Steel Research, 2017, 136, 204-214.	3.9	18
36	Effects of Ambient Temperature and Relative Humidity on Subsurface Defect Detection in Concrete Structures by Active Thermal Imaging. Sensors, 2017, 17, 1718.	3.8	69

#	Article	IF	Citations
37	Seismic Vulnerability Assessment of a Shallow Two-Story Underground RC Box Structure. Applied Sciences (Switzerland), 2017, 7, 735.	2.5	42
38	Experimental Study on Detection of Deterioration in Concrete Using Infrared Thermography Technique. Advances in Materials Science and Engineering, 2016, 2016, 1-12.	1.8	28
39	Tensile behaviors of friction bolt connection with bolt head corrosion damage: Experimental research B. Engineering Failure Analysis, 2016, 59, 526-543.	4.0	26
40	A comparative study on wind loads between design standards for the design of pipe-rack structures. KSCE Journal of Civil Engineering, 2016, 20, 293-300.	1.9	6
41	Evaluation of Compressive Strengths of Tubular Steel Members According to Corrosion Damage and Shape. Journal of Korean Society of Steel Construction, 2016, 28, 213-222.	0.5	4
42	Locally Corroded Stiffener Effect on Shear Buckling Behaviors of Web Panel in the Plate Girder. Advances in Materials Science and Engineering, 2015, 2015, 1-19.	1.8	2
43	Resistance factors calibration and its application using static load test data for driven steel pipe piles. KSCE Journal of Civil Engineering, 2013, 17, 929-938.	1.9	10
44	A Novel Concept for the Reliability Evaluation of Large Systems. Advances in Structural Engineering, 2012, 15, 1879-1892.	2.4	5
45	A Novel Risk Assessment for Complex Structural Systems. IEEE Transactions on Reliability, 2011, 60, 210-218.	4.6	16
46	Realistic risk assessment of axially loaded pileâ€“soil system using a hybrid reliability method. Georisk, 2010, 4, 118-126.	3.5	0
47	Reliability-based calibration of resistance factors for static bearing capacity of driven steel pipe piles. Canadian Geotechnical Journal, 2010, 47, 528-538.	2.8	43
48	A Case Study of LRFD Implementation for Static Bearing Capacity of Driven Steel Pipe Piles in Korea. , 2009, , .		1
49	Evaluation of Resistance Bias Factors for Load and Resistance Factor Design of Driven Steel Pipe Piles. , 2007, , 1.		0
50	Time-domain seismic reliability of nonlinear structures. Sadhana - Academy Proceedings in Engineering Sciences, 2006, 31, 359-382.	1.3	4
51	Seismic reliability of non-linear frames with PR connections using systematic RSM. Probabilistic Engineering Mechanics, 2002, 17, 177-190.	2.7	36
52	Stochastic Finite-Element-Based Seismic Risk of Nonlinear Structures. Journal of Structural Engineering, 2001, 127, 323-329.	3.4	51