

Jungwon Huh

List of Publications by Year in descending order

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papers

733
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567281

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docs citations

53
times ranked

462
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Stochastic Finite-Element-Based Seismic Risk of Nonlinear Structures. Journal of Structural Engineering, 2001, 127, 323-329.	3.4	51
3	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
4	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
5	Seismic Vulnerability Assessment of a Shallow Two-Story Underground RC Box Structure. Applied Sciences (Switzerland), 2017, 7, 735.	2.5	42
6	Seismic reliability of non-linear frames with PR connections using systematic RSM. Probabilistic Engineering Mechanics, 2002, 17, 177-190.	2.7	36
7	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
8	Tensile behaviors of friction bolt connection with bolt head corrosion damage: Experimental research B. Engineering Failure Analysis, 2016, 59, 526-543.	4.0	26
9	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
10	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
11	Autogenous healing of high strength engineered cementitious composites (ECC) using calcium-containing binders. Construction and Building Materials, 2020, 265, 120857.	7.2	24
12	Effect of corrosion on the tension behavior of painted structural steel members. Journal of Constructional Steel Research, 2017, 133, 256-268.	3.9	23
13	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
14	Residual clamping force of bolt connections caused by sectional damage of nuts. Journal of Constructional Steel Research, 2017, 136, 204-214.	3.9	18
15	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
16	A Novel Risk Assessment for Complex Structural Systems. IEEE Transactions on Reliability, 2011, 60, 210-218.	4.6	16
17	Sensitivity Analysis for Ship-to-Shore Container Crane Design. Applied Sciences (Switzerland), 2018, 8, 1667.	2.5	14
18	Effects of Boundary Condition Models on the Seismic Responses of a Container Crane. Applied Sciences (Switzerland), 2019, 9, 241.	2.5	13

#	ARTICLE	IF	CITATIONS
19	Probabilistic Risk Evaluation for Overall Stability of Composite Caisson Breakwaters in Korea. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 148.	2.6	13
20	Thermography-Based Deterioration Detection in Concrete Bridge Girders Strengthened with Carbon Fiber-Reinforced Polymer. <i>Sensors</i> , 2020, 20, 3263.	3.8	13
21	Comparative Study of Nonlinear Static and Time-History Analyses of Typical Korean STS Container Cranes. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-13.	0.7	12
22	Resistance factors calibration and its application using static load test data for driven steel pipe piles. <i>KSCE Journal of Civil Engineering</i> , 2013, 17, 929-938.	1.9	10
23	Seismic response investigation of 1/20 scale container crane through shake table test and finite element analysis. <i>Ocean Engineering</i> , 2021, 234, 109266.	4.3	10
24	Fragility Assessment of a Container Crane under Seismic Excitation Considering Uplift and Derailment Behavior. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4660.	2.5	9
25	Shake table testing for the seismic response of a container crane with uplift and derailment. <i>Applied Ocean Research</i> , 2021, 114, 102811.	4.1	9
26	A comprehensive study on identification of both deck and soffit defects in concrete bridge decks through thermographic investigation of shaded side under natural conditions. <i>Construction and Building Materials</i> , 2021, 303, 124452.	7.2	9
27	Fragility-based seismic performance assessment of modular underground arch bridges. <i>Structures</i> , 2022, 39, 1218-1230.	3.6	9
28	The Performance Assessment of a Precast, Panel-Segmented Arch Bridge with Outriggers. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4646.	2.5	8
29	Behavior of bolt-connected steel plate girder attributable to bolt loosening failure in the lower flange. <i>Engineering Failure Analysis</i> , 2020, 107, 104208.	4.0	8
30	Calibration of Load and Resistance Factors for Breakwater Foundations under the Earthquake Loading. <i>Sustainability</i> , 2021, 13, 1730.	3.2	8
31	Seismic Response of Container Crane under Near-Field and Far-Field Ground Motions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1740.	2.5	7
32	A comparative study on wind loads between design standards for the design of pipe-rack structures. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 293-300.	1.9	6
33	Evaluation of Residual Compressive Strength and Behavior of Corrosion-Damaged Carbon Steel Tubular Members. <i>Materials</i> , 2018, 11, 1254.	2.9	6
34	Efficient seamline determination for UAV image mosaicking using edge detection. <i>Remote Sensing Letters</i> , 2018, 9, 763-769.	1.4	6
35	Efficient approach for calibration of load and resistance factors in the limit state design of a breakwater foundation. <i>Ocean Engineering</i> , 2022, 251, 111170.	4.3	6
36	Seismic response of a container crane subjected to ground motions. <i>Applied Ocean Research</i> , 2022, 126, 103270.	4.1	6

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37	A Novel Concept for the Reliability Evaluation of Large Systems. <i>Advances in Structural Engineering</i> , 2012, 15, 1879-1892.	2.4	5
38	Thermal Data Fusion for Building Insulation. , 2019, , .		5
39	Full-scale field testing of a precast concrete buried arch bridge with steel outriggers: Field loading test. <i>Engineering Structures</i> , 2021, 242, 112563.	5.3	5
40	Finite element analysis-aided seismic behavior examination of modular underground arch bridge. <i>Tunnelling and Underground Space Technology</i> , 2021, 118, 104166.	6.2	5
41	Time-domain seismic reliability of nonlinear structures. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2006, 31, 359-382.	1.3	4
42	Evaluation of Self-Healing Performance of PE and PVA Concrete Using Flexural Test. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-10.	1.8	4
43	Structural Performance of a Segmental Precast Arch System with Outrigger by Sectional Geometry of Structural Member. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 3356-3375.	1.9	4
44	Evaluation of Compressive Strengths of Tubular Steel Members According to Corrosion Damage and Shape. <i>Journal of Korean Society of Steel Construction</i> , 2016, 28, 213-222.	0.5	4
45	Locally Corroded Stiffener Effect on Shear Buckling Behaviors of Web Panel in the Plate Girder. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-19.	1.8	2
46	A Case Study of LRFD Implementation for Static Bearing Capacity of Driven Steel Pipe Piles in Korea. , 2009, , .		1
47	Lifting Test and Analysis of a Segmented Arch System with Outrigger Ribs and Flexural Loading Tests of Precast Panels. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 4285.	1.9	1
48	Evaluation of Resistance Bias Factors for Load and Resistance Factor Design of Driven Steel Pipe Piles. , 2007, , 1.		0
49	Realistic risk assessment of axially loaded pile-soil system using a hybrid reliability method. <i>Georisk</i> , 2010, 4, 118-126.	3.5	0
50	A Clue to Discovering Unstable Hemoglobin Variants via Abnormal WBC Differential Scattergrams Using the Sysmex Automated Hematology Analyzer. <i>Laboratory Medicine Online</i> , 2019, 9, 84.	0.2	0
51	Analytical Performance of INNOVANCE Free Protein S Antigen on Sysmex CS-5100. <i>Laboratory Medicine Online</i> , 2019, 9, 1.	0.2	0
52	Calibration of Load and Resistance Factors for Breakwater Foundation Design. Application on Different Types of Superstructures. <i>Journal of Korean Society of Coastal and Ocean Engineers</i> , 2021, 33, 287-292.	0.4	0