

Jin-Hak Yi

List of Publications by Year in Descending Order

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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.

69

papers

1,136

citations

16

h-index

32

g-index

73

ext. papers

1,288

ext. citations

2.6

avg, IF

4.22

L-index

#	Paper	IF	Citations
69	A comparative study of laws and policies on supporting marine energy development in China and Korea. <i>Marine Policy</i> , 2022 , 141, 105057	3.5	
68	Neural-Network-Based Ultrasonic Inspection of Offshore Coated Concrete Specimens. <i>Coatings</i> , 2022 , 12, 773	2.9	2
67	Non-Destructive Evaluation of Coating Thickness Using Water Immersion Ultrasonic Testing. <i>Coatings</i> , 2021 , 11, 1421	2.9	4
66	Numerical Analysis on the Performance and Wake of Tidal Current Turbine Using ALM and LES. <i>Journal of the Korean Society for Marine Environment & Energy</i> , 2021 , 24, 20-31	0.4	
65	Ultrasonic Assessment of Thickness and Bonding Quality of Coating Layer Based on Short-Time Fourier Transform and Convolutional Neural Networks. <i>Coatings</i> , 2021 , 11, 909	2.9	4
64	Analysis of Extreme Wave Condition for Design of Tidal Energy Converter in the Jang-Juk Waterway. <i>Journal of the Korean Society for Marine Environment & Energy</i> , 2020 , 23, 165-172	0.4	
63	Current Policy and Technology for Tidal Current Energy in Korea. <i>Energies</i> , 2019 , 12, 1807	3.1	16
62	Structural Health Monitoring with Sensor Data and Cosine Similarity for Multi-Damages. <i>Sensors</i> , 2019 , 19,	3.8	11
61	Review of tidal characteristics of Uldolmok Strait and optimal design of blade shape for horizontal axis tidal current turbines. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 113, 109273	16.2	6
60	Effects of Water Exposure on the Interfacial Bond between an Epoxy Resin Coating and a Concrete Substrate. <i>Materials</i> , 2019 , 12,	3.5	14
59	Interference effects of an adjacent tall building with various sizes on local wind forces acting on a tall building. <i>Advances in Structural Engineering</i> , 2018 , 21, 1469-1481	1.9	2
58	Experimental study of aerodynamic damping of a twisted supertall building. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018 , 176, 1-12	3.7	15
57	Tensile Bond Characteristics between Underwater Coating Materials and Concrete Substrate. <i>Journal of Korean Society of Coastal and Ocean Engineers</i> , 2018 , 30, 298-305	0.9	4
56	Reconstruction of Unmeasured Strain Responses in Bottom-fixed Offshore Structures by Multimetric Sensor Data Fusion. <i>Procedia Engineering</i> , 2017 , 188, 96-101		
55	Vibration-based Structural Health Assessment of a Wind Turbine Tower Using a Wind Turbine Model. <i>Procedia Engineering</i> , 2017 , 188, 333-339		10
54	Wave Height and Downtime Event Forecasting in Harbour with Complex Topography Using Auto-Regressive and Artificial Neural Networks Models. <i>Journal of Korean Society of Coastal and Ocean Engineers</i> , 2017 , 29, 180-188	0.9	3
53	Wind Tunnel Tests for Evaluation of Sliding and Overturning Velocities on Shipping Containers. <i>Journal of Korean Society of Coastal and Ocean Engineers</i> , 2017 , 29, 260-268	0.9	

52	Reliability Analysis of Offshore Wind Turbines Considering Soil-Pile Interaction and Scouring Effect. <i>Journal of Korean Society of Coastal and Ocean Engineers</i> , 2016 , 28, 222-231	0.9	
51	Laboratory tests on local damage detection for jacket-type offshore structures using optical FBG sensors based on statistical approaches. <i>Ocean Engineering</i> , 2016 , 124, 94-103	3.9	17
50	Development of temperature-robust damage factor based on sensor fusion for a wind turbine structure. <i>Frontiers of Structural and Civil Engineering</i> , 2015 , 9, 42-47	2.5	4
49	Substructural Identification of Flexural Rigidity for Beam-Like Structures. <i>Shock and Vibration</i> , 2015 , 2015, 1-15	1.1	1
48	Electromechanical impedance-based long-term SHM for jacket-type tidal current power plant structure. <i>Smart Structures and Systems</i> , 2015 , 15, 283-297		9
47	Issues in structural health monitoring for fixed-type offshore structures under harsh tidal environments. <i>Smart Structures and Systems</i> , 2015 , 15, 335-353		1
46	Natural frequency of bottom-fixed offshore wind turbines considering pile-soil-interaction with material uncertainties and scouring depth. <i>Wind and Structures, an International Journal</i> , 2015 , 21, 625-639		13
45	Influence of Characteristic-Soil-Property-Estimation Approach on the Response of Monopiles for Offshore Wind Turbines. <i>Journal of Ocean and Wind Energy</i> , 2015 , 2, 160-167		3
44	Optimal Design of Blade Shape for 200-kW-Class Horizontal Axis Tidal Current Turbines. <i>Journal of Ocean Engineering and Technology</i> , 2015 , 29, 366-372	0.8	
43	On the natural frequency of tidal current power systems—a discussion of sea testing. <i>Applied Physics Letters</i> , 2014 , 105, 023902	3.4	13
42	Effect of welding heat on precast steel composite hollow columns. <i>Structural Concrete</i> , 2014 , 15, 350-360.		6
41	Numerical investigation on effects of rotor control strategy and wind data on optimal wind turbine blade shape. <i>Wind and Structures, an International Journal</i> , 2014 , 18, 195-213		8
40	Changes in Dynamic Characteristics of Monopile-Type Offshore Structures According to Tidal Environments and Boundary Conditions. <i>Journal of Ocean Engineering and Technology</i> , 2014 , 28, 261-267	0.8	
39	Two-Step Indirect Static Deflection Estimation of Bridges Based on Ambient Acceleration Measurements. <i>Experimental Techniques</i> , 2013 , 37, 33-45	1.4	3
38	Modal identification of a jacket-type offshore structure using dynamic tilt responses and investigation of tidal effects on modal properties. <i>Engineering Structures</i> , 2013 , 49, 767-781	4.7	14
37	Field evaluation of optical-based three-dimensional dynamic motion measurement system with multiple targets for a floating structure. <i>Ocean Engineering</i> , 2013 , 62, 140-151	3.9	6
36	Evaluation of vertical axis turbine characteristics for tidal current power plant based on in situ experiment. <i>Ocean Engineering</i> , 2013 , 65, 83-89	3.9	24
35	Evaluation of Vibration Characteristics of an Existing Harbor Caisson Structure Using Tugboat Impact Tests and Modal Analysis. <i>International Journal of Distributed Sensor Networks</i> , 2013 , 9, 806482	1.7	2

34	Flow-Turbine Interaction CFD Analysis for Performance Evaluation of Vertical Axis Tidal Current Turbines (I). <i>Journal of Ocean Engineering and Technology</i> , 2013 , 27, 67-72	0.8	3
33	Flow-Turbine Interaction CFD Analysis for Performance Evaluation of Vertical Axis Tidal Current Turbines (II). <i>Journal of Ocean Engineering and Technology</i> , 2013 , 27, 73-78	0.8	2
32	Field Implementation of Wireless Vibration Sensing System for Monitoring of Harbor Caisson Breakwaters. <i>International Journal of Distributed Sensor Networks</i> , 2012 , 8, 597546	1.7	4
31	Recent improvement of optimization methods in a tidal current turbine optimal design tool 2012 ,		1
30	Application of Structural Health Monitoring System for Reliable Seismic Performance Evaluation of Infrastructures. <i>Advances in Structural Engineering</i> , 2012 , 15, 955-967	1.9	9
29	Vibration-based damage monitoring of harbor caisson structure with damaged foundation-structure interface. <i>Smart Structures and Systems</i> , 2012 , 10, 517-546		18
28	Acoustic Characteristics of Underwater Noise from Uldolmok Tidal Current Pilot Power Plant. <i>Journal of the Acoustical Society of Korea</i> , 2012 , 31, 523-531		2
27	Long-Term Measurement of Static Strains of Jacket Type Offshore Structure under Severe Tidal Current Environments. <i>Journal of the Korean Society of Civil Engineers</i> , 2012 , 32, 389-398		2
26	Output-only modal identification approach for time-unsynchronized signals from decentralized wireless sensor network for linear structural systems. <i>Smart Structures and Systems</i> , 2011 , 7, 59-82		8
25	Evaluation of Chloride Ion Penetration Characteristics for Concrete Structures at Coastal Area. <i>Journal of Korean Society of Coastal and Ocean Engineers</i> , 2011 , 23, 11-17	0.9	
24	Evaluation of Material Properties of Concrete Harbour Facilities Using Nondestructive Testing Methods. <i>Journal of Korean Society of Coastal and Ocean Engineers</i> , 2011 , 23, 1-10	0.9	1
23	Impedance-based Long-term Structural Health Monitoring for Tidal Current Power Plant Structure in Noisy Environments. <i>Journal of Ocean Engineering and Technology</i> , 2011 , 25, 59-65	0.8	2
22	Experimental investigation on the relationship between sluice caisson shape of tidal power plant and the water discharge capability. <i>Renewable Energy</i> , 2010 , 35, 2243-2256	8.1	11
21	Evaluation of Structural Integrity of Asphalt Pavement System from FWD Test Data Considering Modeling Errors. <i>Baltic Journal of Road and Bridge Engineering</i> , 2010 , 5, 10-18	0.9	4
20	Backcalculating pavement structural properties using a Nelder-Mead simplex search. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2009 , 33, 1389-1406	4	11
19	Sequential damage detection approaches for beams using time-modal features and artificial neural networks. <i>Journal of Sound and Vibration</i> , 2009 , 323, 451-474	3.9	40
18	Structural Health Monitoring System for Uldolmok Tidal Current Power Pilot Plant and Its Applications 2009 ,		2
17	Periodic seismic performance evaluation of highway bridges using structural health monitoring system. <i>Structural Engineering and Mechanics</i> , 2009 , 31, 527-544		5

16	Vibration and impedance monitoring for prestress-loss prediction in PSC girder bridges. <i>Smart Structures and Systems</i> , 2009 , 5, 81-94		45
15	Estimation of deflections of bridge by two-step model updating approach based on ambient acceleration measurements 2008 ,		1
14	Earthquake risk assessment of seismically isolated extradosed bridges with lead rubber bearings. <i>Structural Engineering and Mechanics</i> , 2008 , 29, 689-707		7
13	PDF interpolation technique for seismic fragility analysis of bridges. <i>Engineering Structures</i> , 2007 , 29, 1312-1322	4-7	32
12	Vibration-based damage detection in beams using genetic algorithm. <i>Smart Structures and Systems</i> , 2007 , 3, 263-280		19
11	Structural performance evaluation of a steel-plate girder bridge using ambient acceleration measurements. <i>Smart Structures and Systems</i> , 2007 , 3, 281-298		11
10	Performance monitoring of the Geumdang Bridge using a dense network of high-resolution wireless sensors. <i>Smart Materials and Structures</i> , 2006 , 15, 1561-1575	3-4	177
9	Neural networks-based damage detection for bridges considering errors in baseline finite element models. <i>Journal of Sound and Vibration</i> , 2005 , 280, 555-578	3-9	160
8	Baseline Models for Bridge Performance Monitoring. <i>Journal of Engineering Mechanics - ASCE</i> , 2004 , 130, 562-569	2-4	36
7	Impedance-based damage detection for civil infrastructures. <i>KSCE Journal of Civil Engineering</i> , 2004 , 8, 425-433	1-9	7
6	Comparative study on modal identification methods using output-only information. <i>Structural Engineering and Mechanics</i> , 2004 , 17, 445-466		77
5	Stochastic optimization techniques for NDE of bridges using vibration signatures 2003 ,		1
4	Temperature effects on frequency-based damage detection in plate-girder bridges. <i>KSCE Journal of Civil Engineering</i> , 2003 , 7, 725-733	1-9	24
3	HEALTH-MONITORING METHOD FOR BRIDGES UNDER ORDINARY TRAFFIC LOADINGS. <i>Journal of Sound and Vibration</i> , 2002 , 257, 247-264	3-9	95
2	Fragility curves of concrete bridges retrofitted by column jacketing. <i>Earthquake Engineering and Engineering Vibration</i> , 2002 , 1, 195-205	2	33
1	Joint damage assessment of framed structures using a neural networks technique. <i>Engineering Structures</i> , 2001 , 23, 425-435	4-7	77