Jung Kwan Seo

List of Publications by Year
in descending order

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70	1,001	394421	477307
papers	citations	19	29
		h-index	g-index

70	70	70	517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strength Characteristics of Passive Fire Protection Material Applied Structural Members on Fire Load. Journal of the Society of Naval Architects of Korea, 2022, 59, 29-38.	0.5	1
2	Thermal-Structural Characteristics of Multi-Layer Vacuum-Insulated Pipe for the Transfer of Cryogenic Liquid Hydrogen. Metals, 2022, 12, 549.	2.3	4
3	Explosion Characteristics of Hydrogen Gas in Varying Ship Ventilation Tunnel Geometries: An Experimental Study. Journal of Marine Science and Engineering, 2022, 10, 532.	2.6	8
4	Development of a unified formula for evaluating the safe working loads of ship block support structures. Journal of Advanced Marine Engineering and Technology, 2022, 46, 107-114.	0.4	3
5	Methodology for collision-frequency analysis of wind-turbine installation vessels. Ships and Offshore Structures, 2021, 16, 423-439.	1.9	9
6	Numerical Validation of the Two-Way Fluid-Structure Interaction Method for Non-Linear Structural Analysis under Fire Conditions. Journal of Marine Science and Engineering, 2021, 9, 400.	2.6	6
7	Numerical Investigation of Residual Strength of Steel Stiffened Panel Exposed to Hydrocarbon Fire. Journal of Ocean Engineering and Technology, 2021, 35, 203-215.	1.2	7
8	Method for determining the design load of an aluminium handrail on an offshore platform. International Journal of Naval Architecture and Ocean Engineering, 2021, 13, 511-525.	2.3	0
9	Effects of the structural strength of fire protection insulation systems in offshore installations. International Journal of Naval Architecture and Ocean Engineering, 2021, 13, 493-510.	2.3	5
10	Torsional Strength of CFRP Material for Application of Ship Shaft System. Journal of the Society of Naval Architects of Korea, 2021, 58, 431-439.	0.5	0
11	A study on collision strength assessment of a jack-up rig with attendant vessel. International Journal of Naval Architecture and Ocean Engineering, 2020, 12, 241-257.	2.3	8
12	Residual stresses distribution in long seam-welded offshore catenary riser of high-manganese steel. Ships and Offshore Structures, 2020, 15, 325-339.	1.9	2
13	Investigation of the Structural Strength of Existing Blast Walls in Well-Test Areas on Drillships. Journal of Marine Science and Engineering, 2020, 8, 583.	2.6	3
14	Estimation of Buckling and Ultimate Collapse Behaviour of Stiffened Curved Plates under Compressive Load. Journal of Ocean Engineering and Technology, 2020, 34, 37-45.	1.2	1
15	A Review of IOSS Design Standardization Technology for Aluminum Alloy Handrail of Offshore Platform. Journal of Ocean Engineering and Technology, 2020, 34, 208-216.	1.2	0
16	Development of design factor predicting the ultimate strength for wide spacing in container curved bilge structures. Journal of Marine Science and Technology, 2019, 24, 526-542.	2.9	1
17	A review of the integrity management of subsea production systems: inspection and monitoring methods. Ships and Offshore Structures, 2019, 14, 789-803.	1.9	16
18	Welding Distortion Characteristics of Door Openings According to Changing Shape of Stiffener. Journal of Ocean Engineering and Technology, 2019, 33, 153-160.	1.2	4

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19	Probabilistic approach for collision risk analysis of powered vessel with offshore platforms. Ocean Engineering, 2018, 151, 206-221.	4.3	36
20	Efficient water deluge nozzles arrangement on offshore installations for the suppression of pool fires. Ocean Engineering, 2018, 167, 293-309.	4.3	7
21	Experimental assessment of the structural behaviour of aluminium helideck structures under static/impact loads. Ships and Offshore Structures, 2018, 13, 348-363.	1.9	6
22	Welding distortion design formulae of thin-plate panel structure during the assembly process. Ships and Offshore Structures, 2018, 13, 364-377.	1.9	4
23	Numerical investigation and development of design formula for cylindrically curved plates on ships and offshore structures. Thin-Walled Structures, 2018, 132, 93-110.	5.3	9
24	Probabilistic Risk Analysis of Dropped Objects for Corroded Subsea Pipelines. Journal of the Society of Naval Architects of Korea, 2018, 55, 93-102.	0.5	0
25	A Research on the Verification Test Procedure for Quantitative Explosion Risk Assessment and Management of Offshore Installations. Journal of the Society of Naval Architects of Korea, 2018, 55, 215-221.	0.5	0
26	Condition assessment of damaged elbow in subsea pipelines. Ships and Offshore Structures, 2017, 12, 135-151.	1.9	8
27	Numerical study of erosion in critical components of subsea pipeline: tees vs bends. Ships and Offshore Structures, 2017, 12, 233-243.	1.9	24
28	Rapid hull collapse strength calculations of double hull oil tankers after collisions. Ships and Offshore Structures, 2017, 12, 624-639.	1.9	18
29	A New Method for Structural Assessment of Topside Structure Subjected to Hydrocarbon Explosions. Procedia Engineering, 2017, 173, 479-486.	1.2	3
30	A method for determining fire accidental loads and its application to thermal response analysis for optimal design of offshore thin-walled structures. Fire Safety Journal, 2017, 92, 107-121.	3.1	13
31	Nonlinear structural response in jet fire in association with the interaction between fire loads and time-variant geometry and material properties. Ocean Engineering, 2017, 144, 118-134.	4.3	9
32	Applicability of COâ„‚ Extinguishing System for Ships. Journal of the Society of Naval Architects of Korea, 2017, 54, 294-300.	0.5	0
33	A numerical study on water wetting associated with the internal corrosion of oil pipelines. Ocean Engineering, 2016, 122, 105-117.	4.3	34
34	Strength assessment of stiffened blast walls in offshore installations under explosions. Ships and Offshore Structures, 2016, 11, 551-560.	1.9	14
35	A study on fire design accidental loads for aluminum safety helidecks. International Journal of Naval Architecture and Ocean Engineering, 2016, 8, 519-529.	2.3	11
36	Nonlinear structural behaviour and design formulae for calculating the ultimate strength of stiffened curved plates under axial compression. Thin-Walled Structures, 2016, 107, 1-17.	5.3	21

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37	Proposed formulas for evaluation of the equivalent material properties of a multiholed structure. Ocean Engineering, 2016, 121, 312-322.	4.3	5
38	Methods for determining the optimal arrangement of water deluge systems on offshore installations. Ocean Engineering, 2016, 114, 236-249.	4.3	6
39	Numerical modelling of two-phase oilâ€“water flow patterns in a subsea pipeline. Ocean Engineering, 2016, 115, 135-148.	4.3	30
40	Assessing the risk of ship hull collapse due to collision. Ships and Offshore Structures, 2016, 11, 335-350.	1.9	25
41	A numerical and experimental approach for optimal structural section design of offshore aluminium helidecks. Structural Engineering and Mechanics, 2016, 59, 993-1017.	1.0	3
42	Effects of Reduction Groove Angle on Strength Characteristics of FCAW Weldment. Journal of the Society of Naval Architects of Korea, 2016, 53, 473-481.	0.5	0
43	Burst strength behaviour of an aging subsea gas pipeline elbow in different external and internal corrosion-damaged positions. International Journal of Naval Architecture and Ocean Engineering, 2015, 7, 435-451.	2.3	32
44	Operability of non-ice class aged ships in the Arctic Ocean-part II: Accidental limit state approach. Ocean Engineering, 2015, 102, 206-215.	4.3	17
45	Operability of non-ice class aged ships in the Arctic Oceanâ€”Part I: Ultimate limit state approach. Ocean Engineering, 2015, 102, 197-205.	4.3	10
46	Assessment of dropped object risk on corroded subsea pipeline. Ocean Engineering, 2015, 106, 329-340.	4.3	52
47	A risk-based inspection planning method for corroded subsea pipelines. Ocean Engineering, 2015, 109, 539-552.	4.3	36
48	Serviceability Assessment of Corroded Subsea Crude Oil Pipelines. Journal of the Society of Naval Architects of Korea, 2015, 52, 153-160.	0.5	0
49	Method for Preventing Asphyxiation Accidents by a CO₂ Extinguishing System on a Ship. Fire Science and Engineering, 2015, 29, 57-64.	0.4	1
50	Experimental study of the reduction of high temperatures and radiation using heat shields associated with flare towers of offshore oil and gas platforms. Ships and Offshore Structures, 2014, 9, 540-549.	1.9	2
51	Time-dependent residual ultimate longitudinal strength - grounding damage index (R-D) diagram. Ocean Engineering, 2014, 76, 163-171.	4.3	26
52	An efficient design methodology for subsea manifold piping systems based on parametric studies. Ocean Engineering, 2014, 84, 273-282.	4.3	13
53	Methods for Nonlinear Structural Response Analysis of Offshore Structures with Passive Fire Protection under Fires. Journal of Ocean Engineering and Technology, 2014, 28, 294-305.	1.2	3
54	Lateral pressure effects on the progressive hull collapse behaviour of a Suezmax-class tanker under vertical bending moments. Ocean Engineering, 2013, 63, 112-121.	4.3	19

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55	Investigation on the Burst Strength Capacity of Aging Subsea Gas Pipeline. , 2013, , .		3
56	Modeling of Two-Phase Oil/Water Flow in Horizontal Pipeline Using CFD Technique. , 2013, , .		3
57	A methodology for determining efficient gas detector locations on offshore installations. Ships and Offshore Structures, 2013, 8, 524-535.	1.9	24
58	Effects of Low Temperature on ASTM A131: An Experimental and Numerical Study. , 2012, , .		4
59	The necessity of applying the common corrosion addition rule to container ships in terms of ultimate longitudinal strength. Ocean Engineering, 2012, 49, 43-55.	4.3	26
60	Member moment capacities of mono-symmetric LiteSteel Beam floor joists with web openings. Journal of Constructional Steel Research, 2012, 70, 153-166.	3.9	13
61	Quantitative assessment of hydrocarbon explosion and fire risks in offshore installations. Marine Structures, 2011, 24, 73-96.	3.8	80
62	Plastic bending behaviour and section moment capacities of mono-symmetric LiteSteel beams with web openings. Thin-Walled Structures, 2011, 49, 513-522.	5.3	15
63	Numerical method for predicting the elastic lateral distortional buckling moment of a mono-symmetric beam with web openings. Thin-Walled Structures, 2011, 49, 713-723.	5.3	11
64	Validation of the equivalent plate thickness approach for ultimate strength analysis of stiffened panels with non-uniform plate thickness. Thin-Walled Structures, 2011, 49, 753-761.	5.3	7
65	Load characteristics of steel and concrete tubular members under jet fire: An experimental and numerical study. Ocean Engineering, 2010, 37, 1159-1168.	4.3	21
66	Nonlinear finite element method models for ultimate strength analysis of steel stiffened-plate structures under combined biaxial compression and lateral pressure actionsâ€"Part I: Plate elements. Thin-Walled Structures, 2009, 47, 1008-1017.	5.3	56
67	Methods for ultimate limit state assessment of ships and ship-shaped offshore structures: Part Iâ€"Unstiffened plates. Ocean Engineering, 2008, 35, 261-270.	4.3	56
68	Methods for ultimate limit state assessment of ships and ship-shaped offshore structures: Part III hull girders. Ocean Engineering, 2008, 35, 281-286.	4.3	67
69	A method for progressive structural crashworthiness analysis under collisions and grounding. Thin-Walled Structures, 2007, 45, 15-23.	5.3	29
70	Idealized structural unit method and its application to progressive hull girder collapse analysis of ships. Ships and Offshore Structures, 2006, 1, 235-247.	1.9	11