

Haicheng Yu

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

195
citations

1307594

7
h-index

1199594

12
g-index

80
all docs

80
docs citations

80
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-ultimate strength behaviour and collapse severity of ship hull girder under extreme wave load by an analytical method. Ships and Offshore Structures, 2022, 17, 410-424.	1.9	1
2	Numerical investigation of breaking wave loads on the downstream inclined cylinder under shelter effect from the upstream vertical cylinder. Ships and Offshore Structures, 2022, 17, 1706-1716.	1.9	2
3	Methods for Fitting the Limit State Function of the Residual Strength of Damaged Ships. Journal of Marine Science and Engineering, 2022, 10, 102.	2.6	1
4	Investigation on effects of springing and whipping on fatigue damages of ultra-large container ships in irregular seas. Journal of Marine Science and Technology, 2021, 26, 432-458.	2.9	2
5	A Local Semi-Fixed Ghost Particles Boundary Method for WCSPH. Journal of Marine Science and Engineering, 2021, 9, 416.	2.6	1
6	Time-domain hydroelastic analysis of nonlinear motions and loads on a large bow-flare ship advancing in high irregular seas. Journal of Marine Science and Technology, 2020, 25, 426-454.	2.9	14
7	Temperature-dependent characteristics of DH36 steel fatigue crack propagation. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 617-627.	3.4	11
8	Ultimate Limit State Function and Its Fitting Method of Damaged Ship under Combined Loads. Journal of Marine Science and Engineering, 2020, 8, 117.	2.6	5
9	Research on Fatigue Properties of Typical Welded Joints of DH36 Steel at 60 °C. Applied Sciences (Switzerland), 2020, 10, 3742.	2.5	8
10	Numerical Simulation of Breaking Wave Loading on Standing Circular Cylinders with Different Transverse Inclined Angles. Applied Sciences (Switzerland), 2020, 10, 1347.	2.5	7
11	A Numerical Method for Calculation of Ship-Ship Hydrodynamics Interaction in Shallow Water Accounting for Sinkage and Trim. Journal of Offshore Mechanics and Arctic Engineering, 2020, 142, .	1.2	7
12	Prediction of Wave-Induced Motions and Loads of Ships With Forward Speed by Matching Method. , 2020, , .		0
13	A Numerical Method for Calculation of Ship-Ship Hydrodynamics Interaction in Shallow Water Accounting for Sinkage and Trim. , 2019, , .		0
14	Analysis of Fatigue Life of Ship Structure Under the Non-Linear Slamming Load. , 2019, , .		0
15	Design Optimization of Ship's Bow Sailing in Kara Sea and Barents Sea. , 2019, , .		1
16	Dynamic Load Inversion Method of Ship Body Based on Influence Coefficient Matrix. , 2019, , .		0
17	A comprehensive study on the seakeeping performance of high speed hybrid ships by 2.5D theoretical calculation and different scaled model experiments. Ocean Engineering, 2018, 160, 197-223.	4.3	22
18	A Segmented Ship Model: Experimental Research on Hydroelastic Effect of a Large Ship in Wave. , 2018, , .		0

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19	The Effect on Large Container Shipsâ€™ Fatigue due to Springing Loads Coupling Horizontal and Torsional Vibrations. , 2018, , .		0
20	Design Analysis and Fatigue Testing of the Typical Structural Details of Aluminium Ships. , 2018, , .		0
21	Numerical Prediction of Bow-Flared Slamming on ULCS in Oblique Waves. , 2018, , .		0
22	Investigation on Ship Hydroelastic Vibrational Responses in Waves. Applied Sciences (Switzerland), 2018, 8, 2327.	2.5	3
23	Investigation on Temperature Compensation of Fiber Bragg Grating Sensors for Hull Monitoring. , 2018, , .		1
24	Numerical Investigation of Ultimate Strength of Stiffened Plates With Various Cross-Section Forms. , 2018, , .		2
25	Research of Springing and Whipping Influence on Ultra-Large Containershipsâ€™ Fatigue Analysis. Journal of Shanghai Jiaotong University (Science), 2018, 23, 429-437.	0.9	7
26	Topology Optimization of Primary Support Members in Cargo Tank Region for Oil Tankers. , 2018, , .		1
27	Analysis of Local Vibration and Strength of Water Jet Propulsion Unit of High Speed Ship. , 2018, , .		2
28	Analysis of Yielding and Buckling Strength of a Minimal Ballast Water Crude Oil Tanker. , 2018, , .		0
29	On the Nonlinear Vibrational Responses of a Large Vessel with a Broad Bow Flare under Wave Excitation: Theory and Experiment. Shock and Vibration, 2018, 2018, 1-17.	0.6	3
30	Analysis of Numerical Errors of the Hess Smith Panel Method With Asymmetric Meshes. , 2018, , .		0
31	Time domain Rankine-Green panel method for offshore structures. Journal of Ocean University of China, 2017, 16, 65-73.	1.2	5
32	Study on the Remaining Fatigue Life of FPSO Based on Spectral Analysis. , 2017, , .		0
33	Experimental Study on Hydroelastic Impact of One Wedge With Stiffened Panels. , 2017, , .		0
34	A Method for Fatigue Evaluation of Trimaran Cross Structure With the Influence of Slamming. , 2017, , .		0
35	Model testing for ship hydroelasticity: A review and future trends. Journal of Shanghai Jiaotong University (Science), 2017, 22, 641-650.	0.9	13
36	Ultimate Strength Assessment of Semi-Submersible Platform Under Different Load Conditions. , 2017, , .		0

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37	Ultimate Bearing Capacity Assessment of Hull Girder With Asymmetric Cross-Section. , 2017, , .		0
38	Development of a Shipboard Remote Control and Telemetry Experimental System for Large-Scale Model's Motions and Loads Measurement in Realistic Sea Waves. Sensors, 2017, 17, 2485.	3.8	8
39	Experimental Investigation of Wave-Induced Ship Hydroelastic Vibrations by Large-Scale Model Measurement in Coastal Waves. Shock and Vibration, 2016, 2016, 1-14.	0.6	6
40	Experimental Investigation of Wave-Induced Hydroelastic Vibrations of Trimaran in Oblique Irregular Waves. Shock and Vibration, 2016, 2016, 1-17.	0.6	3
41	Experimental Investigation of Wave Loads Based on Trimaran Self-Propulsion Model. , 2016, , .		0
42	The Effect of Mooring Line Pre-Tension on FDPSO's Motion. , 2016, , .		0
43	Estimation of springing response for 550 000 DWT ore carrier. Journal of Marine Science and Application, 2016, 15, 260-268.	1.7	5
44	A state-of-the-art large scale model testing technique for ship hydrodynamics at sea. Ocean Engineering, 2016, 123, 174-190.	4.3	20
45	The Computation of Higher Order Derivatives of Velocity Potential Based on B Spline Function. , 2016, , .		0
46	Springing Responses Analysis and Segmented Model Testing on a 550,000 DWT Ore Carrier. , 2016, , .		0
47	Application of the Incorporated Meshing Technique to Non-Linear FE Analysis of Hull Girder Ultimate Strength. , 2016, , .		1
48	Large Containerships's Fatigue Analysis due to Springing and Whipping. , 2016, , .		0
49	Numerical Simulation of Green Water and the Safety Analysis Research on Structures and Equipments. , 2016, , .		0
50	FEM Analysis of the Ultimate Strength of Aluminum Stiffened Panels With Fixed and Floating Transverse Frames. , 2015, , .		1
51	Fatigue Crack Propagation Rate Test of Q235 Steel in Ship Hull. , 2015, , .		0
52	Design of Ship Weight Reduction Based on Reliability Analysis of Longitudinal Bending Strength. , 2015, , .		0
53	Zero Speed Rankine-Kelvin Hybrid Method With a Cylinder Control Surface. , 2015, , .		0
54	Dynamic Response of the Bow Flare Structure Under Slamming Loads. , 2015, , .		1

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55	Experimental and Numerical Analysis of Hull Girder Vibrations and Bow Impact of a Large Ship Sailing in Waves. Shock and Vibration, 2015, 2015, 1-10.	0.6	11
56	Approximation of Higher-Order Derivatives of the Frequency Domain Free Surface Green Function. , 2015, , .		0
57	The Small-Scale Distortion Model Design Method for Ultimate Strength Test of Hull Girder. , 2014, , .		0
58	An Approximate Calculation Approach for Ultimate Strength of Ship Hull Girder. , 2013, , .		1
59	The Research of Statistic Prediction for Wave Loads Based on Three Dimensional Method. , 2013, , .		1
60	Deformation Analysis and Reliability Assessment of the Ship Hull in Irregular Waves. , 2013, , .		1
61	Ocean Engineering Mooring Rope Residual Strength and Broken Wires Probability Calculation. , 2013, , .		1
62	The Fatigue Crack Propagation of the Ship Structures in Random Sea States. , 2012, , .		0
63	Study on Structural Form Design of Trimaran Cross-Deck. , 2012, , .		1
64	Extreme Values of Environment Parameters Under Super Typhoon in South China Sea. , 2012, , .		0
65	A nonlinear restoring effect study of mooring system and its application. Journal of Marine Science and Application, 2012, 11, 74-82.	1.7	6
66	Notice of Retraction: Comparison of Motion Response Calculation Methods of Deepwater Semi-Submersible Platform. , 2011, , .		0
67	Research on Collision Strength for Deep Sea Submersible Structures. , 2010, , .		0
68	Simulation System for Dynamic Analysis of the Ship Structures. , 2010, , .		0
69	Fatigue Strength Assessment of Ship Structures Based on the Crack Propagation Theory. , 2009, , .		1
70	Safety Assessment of Ship Launching Based on Airbags With the Nonlinear Rigidity of Airbags Being Considered. , 2009, , .		1
71	Study on the Wave Loads and Strength Assessment Method on Semi-Submersible Platform. , 2009, , .		1
72	Ultimate Bearing Capacity of Hull Girder Considering the Effects of the Local Loads. , 2009, , .		1

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73	Influence of Nonlinear Mooring Stiffness on Hydrodynamic Performance of Floating Bodies. , 2009, , .		0
74	Study on the Standardized Nonlinear Finite Element Analysis of the Ultimate Strength of Ship Hull Girder. , 2009, , .		0
75	Virtual Prototype Based Virtual Test Technique for Fatigue Life of Ship Structure. , 2009, , .		0
76	Study on the Residual Strength Assessment Method on Corroded Subsea Pipeline Based on Reference Stress Method. , 2009, , .		0
77	Calculation Method of the Residual Capability of Damaged Warships. , 2008, , .		3
78	Fatigue Strength Assessment of Aged Floating Production System. , 2008, , .		1
79	Direct Strength Analysis of Semi-Submersible Platform Structures. , 2004, , .		0
80	An Approach to the Estimation of Structural Design Loads of Turret Moored FPSO Tankers. , 2003, , .		1