

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	A comprehensive study on the seakeeping performance of high speed hybrid ships by 2.5D theoretical calculation and different scaled model experiments. <i>Ocean Engineering</i> , 2018, 160, 197-223.	4.3	22
2	A state-of-the-art large scale model testing technique for ship hydrodynamics at sea. <i>Ocean Engineering</i> , 2016, 123, 174-190.	4.3	20
3	Time-domain hydroelastic analysis of nonlinear motions and loads on a large bow-flare ship advancing in high irregular seas. <i>Journal of Marine Science and Technology</i> , 2020, 25, 426-454.	2.9	14
4	Model testing for ship hydroelasticity: A review and future trends. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2017, 22, 641-650.	0.9	13
5	Experimental and Numerical Analysis of Hull Girder Vibrations and Bow Impact of a Large Ship Sailing in Waves. <i>Shock and Vibration</i> , 2015, 2015, 1-10.	0.6	11
6	Temperature-dependent characteristics of DH36 steel fatigue crack propagation. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 617-627.	3.4	11
7	Development of a Shipboard Remote Control and Telemetry Experimental System for Large-Scale Model's Motions and Loads Measurement in Realistic Sea Waves. <i>Sensors</i> , 2017, 17, 2485.	3.8	8
8	Research on Fatigue Properties of Typical Welded Joints of DH36 Steel at ~ 60 $^{\circ}\text{C}$. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3742.	2.5	8
9	Research of Springing and Whipping Influence on Ultra-Large Containerships' Fatigue Analysis. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2018, 23, 429-437.	0.9	7
10	Numerical Simulation of Breaking Wave Loading on Standing Circular Cylinders with Different Transverse Inclined Angles. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1347.	2.5	7
11	A Numerical Method for Calculation of Ship's Ship Hydrodynamics Interaction in Shallow Water Accounting for Sinkage and Trim. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2020, 142, .	1.2	7
12	A nonlinear restoring effect study of mooring system and its application. <i>Journal of Marine Science and Application</i> , 2012, 11, 74-82.	1.7	6
13	Experimental Investigation of Wave-Induced Ship Hydroelastic Vibrations by Large-Scale Model Measurement in Coastal Waves. <i>Shock and Vibration</i> , 2016, 2016, 1-14.	0.6	6
14	Estimation of springing response for 550 000 DWT ore carrier. <i>Journal of Marine Science and Application</i> , 2016, 15, 260-268.	1.7	5
15	Time domain Rankine-Green panel method for offshore structures. <i>Journal of Ocean University of China</i> , 2017, 16, 65-73.	1.2	5
16	Ultimate Limit State Function and Its Fitting Method of Damaged Ship under Combined Loads. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 117.	2.6	5
17	Calculation Method of the Residual Capability of Damaged Warships. , 2008, , .		3
18	Experimental Investigation of Wave-Induced Hydroelastic Vibrations of Trimaran in Oblique Irregular Waves. <i>Shock and Vibration</i> , 2016, 2016, 1-17.	0.6	3

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19	Investigation on Ship Hydroelastic Vibrational Responses in Waves. Applied Sciences (Switzerland), 2018, 8, 2327.	2.5	3
20	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
21	Numerical Investigation of Ultimate Strength of Stiffened Plates With Various Cross-Section Forms. , 2018, , .		2
22	Analysis of Local Vibration and Strength of Water Jet Propulsion Unit of High Speed Ship. , 2018, , .		2
23	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
24	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
25	Fatigue Strength Assessment of Ship Structures Based on the Crack Propagation Theory. , 2009, , .		1
26	Safety Assessment of Ship Launching Based on Airbags With the Nonlinear Rigidity of Airbags Being Considered. , 2009, , .		1
27	Study on the Wave Loads and Strength Assessment Method on Semi-Submersible Platform. , 2009, , .		1
28	Ultimate Bearing Capacity of Hull Girder Considering the Effects of the Local Loads. , 2009, , .		1
29	Study on Structural Form Design of Trimaran Cross-Deck. , 2012, , .		1
30	An Approximate Calculation Approach for Ultimate Strength of Ship Hull Girder. , 2013, , .		1
31	FEM Analysis of the Ultimate Strength of Aluminum Stiffened Panels With Fixed and Floating Transverse Frames. , 2015, , .		1
32	Dynamic Response of the Bow Flare Structure Under Slamming Loads. , 2015, , .		1
33	Application of the Incorporated Meshing Technique to Non-Linear FE Analysis of Hull Girder Ultimate Strength. , 2016, , .		1
34	Investigation on Temperature Compensation of Fiber Bragg Grating Sensors for Hull Monitoring. , 2018, , .		1
35	Topology Optimization of Primary Support Members in Cargo Tank Region for Oil Tankers. , 2018, , .		1
36	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

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37	A Local Semi-Fixed Ghost Particles Boundary Method for WCSPH. Journal of Marine Science and Engineering, 2021, 9, 416.	2.6	1
38	An Approach to the Estimation of Structural Design Loads of Turret Moored FPSO Tankers. , 2003, , .		1
39	Fatigue Strength Assessment of Aged Floating Production System. , 2008, , .		1
40	The Research of Statistic Prediction for Wave Loads Based on Three Dimensional Method. , 2013, , .		1
41	Deformation Analysis and Reliability Assessment of the Ship Hull in Irregular Waves. , 2013, , .		1
42	Ocean Engineering Mooring Rope Residual Strength and Broken Wires Probability Calculation. , 2013, , .		1
43	Design Optimization of Ship's Bow Sailing in Kara Sea and Barents Sea. , 2019, , .		1
44	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
45	Influence of Nonlinear Mooring Stiffness on Hydrodynamic Performance of Floating Bodies. , 2009, , .		0
46	Research on Collision Strength for Deep Sea Submersible Structures. , 2010, , .		0
47	Simulation System for Dynamic Analysis of the Ship Structures. , 2010, , .		0
48	Notice of Retraction: Comparison of Motion Response Calculation Methods of Deepwater Semi-Submersible Platform. , 2011, , .		0
49	The Fatigue Crack Propagation of the Ship Structures in Random Sea States. , 2012, , .		0
50	Extreme Values of Environment Parameters Under Super Typhoon in South China Sea. , 2012, , .		0
51	The Small-Scale Distortion Model Design Method for Ultimate Strength Test of Hull Girder. , 2014, , .		0
52	Fatigue Crack Propagation Rate Test of Q235 Steel in Ship Hull. , 2015, , .		0
53	Design of Ship Weight Reduction Based on Reliability Analysis of Longitudinal Bending Strength. , 2015, , .		0
54	Zero Speed Rankine-Kelvin Hybrid Method With a Cylinder Control Surface. , 2015, , .		0

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55	Approximation of Higher-Order Derivatives of the Frequency Domain Free Surface Green Function. , 2015, , .		0
56	Experimental Investigation of Wave Loads Based on Trimaran Self-Propulsion Model. , 2016, , .		0
57	The Effect of Mooring Line Pre-Tension on FPSO's Motion. , 2016, , .		0
58	The Computation of Higher Order Derivatives of Velocity Potential Based on B Spline Function. , 2016, , .		0
59	Springing Responses Analysis and Segmented Model Testing on a 550,000 DWT Ore Carrier. , 2016, , .		0
60	Large Containerships's Fatigue Analysis due to Springing and Whipping. , 2016, , .		0
61	Study on the Remaining Fatigue Life of FPSO Based on Spectral Analysis. , 2017, , .		0
62	Experimental Study on Hydroelastic Impact of One Wedge With Stiffened Panels. , 2017, , .		0
63	A Method for Fatigue Evaluation of Trimaran Cross Structure With the Influence of Slamming. , 2017, , .		0
64	Ultimate Strength Assessment of Semi-Submersible Platform Under Different Load Conditions. , 2017, , .		0
65	Ultimate Bearing Capacity Assessment of Hull Girder With Asymmetric Cross-Section. , 2017, , .		0
66	A Segmented Ship Model: Experimental Research on Hydroelastic Effect of a Large Ship in Wave. , 2018, , .		0
67	The Effect on Large Container Ships's Fatigue due to Springing Loads Coupling Horizontal and Torsional Vibrations. , 2018, , .		0
68	Design Analysis and Fatigue Testing of the Typical Structural Details of Aluminium Ships. , 2018, , .		0
69	Numerical Prediction of Bow-Flared Slamming on ULCS in Oblique Waves. , 2018, , .		0
70	Analysis of Yielding and Buckling Strength of a Minimal Ballast Water Crude Oil Tanker. , 2018, , .		0
71	Direct Strength Analysis of Semi-Submersible Platform Structures. , 2004, , .		0
72	Study on the Standardized Nonlinear Finite Element Analysis of the Ultimate Strength of Ship Hull Girder. , 2009, , .		0

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73	Virtual Prototype Based Virtual Test Technique for Fatigue Life of Ship Structure. , 2009, , .		0
74	Study on the Residual Strength Assessment Method on Corroded Subsea Pipeline Based on Reference Stress Method. , 2009, , .		0
75	Numerical Simulation of Green Water and the Safety Analysis Research on Structures and Equipments. , 2016, , .		0
76	Analysis of Numerical Errors of the Hess Smith Panel Method With Asymmetric Meshes. , 2018, , .		0
77	A Numerical Method for Calculation of Ship-Ship Hydrodynamics Interaction in Shallow Water Accounting for Sinkage and Trim. , 2019, , .		0
78	Analysis of Fatigue Life of Ship Structure Under the Non-Linear Slamming Load. , 2019, , .		0
79	Dynamic Load Inversion Method of Ship Body Based on Influence Coefficient Matrix. , 2019, , .		0
80	Prediction of Wave-Induced Motions and Loads of Ships With Forward Speed by Matching Method. , 2020, , .		0