

Yi Huang

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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all docs

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docs citations

37
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179
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Crack Detection and Recognition Based on Deep Learning. Applied Sciences (Switzerland), 2021, 11, 2868.	2.5	43
2	Flow accelerated corrosion and erosion~corrosion behavior of marine carbon steel in natural seawater. Npj Materials Degradation, 2021, 5, .	5.8	27
3	An Overview of Major Experimental Methods and Apparatus for Measuring and Investigating Erosion-Corrosion of Ferrous-Based Steels. Metals, 2020, 10, 180.	2.3	26
4	Experimental Study on Rebar Corrosion Using the Galvanic Sensor Combined with the Electronic Resistance Technique. Sensors, 2016, 16, 1451.	3.8	18
5	Exploring the corrosion performances of carbon steel in flowing natural sea water and synthetic sea waters. Corrosion Engineering Science and Technology, 2020, 55, 579-588.	1.4	18
6	Electrochemical characteristics of the dynamic progression of erosion-corrosion under different flow conditions and their effects on corrosion rate calculation. Journal of Solid State Electrochemistry, 2020, 24, 2511-2524.	2.5	16
7	Pitch motion problem induced by dynamic positioning system for new sandglass-type floating body. Journal of Marine Science and Technology, 2017, 22, 162-175.	2.9	15
8	Quantitative risk modelling in the offshore petroleum industry: integration of human and organizational factors. Ships and Offshore Structures, 2020, 15, 1-18.	1.9	15
9	Risk Assessment and Reduction for an Innovative Subsurface Well Completion System. Energies, 2018, 11, 1306.	3.1	14
10	A novel adaptive fuzzy PID controller based on piecewise PID controller for dynamic positioning of sandglass-type FDPSSO. Journal of Marine Science and Technology, 2019, 24, 720-737.	2.9	11
11	Electrochemical Study of Steel Corrosion in Saturated Calcium Hydroxide Solution with Chloride Ions and Sulfate Ions. Corrosion, 2018, 74, 1063-1082.	1.1	10
12	Understanding the Propagation of Nonuniform Corrosion on a Steel Surface Covered by Marine Sand. Corrosion, 2019, 75, 1487-1501.	1.1	10
13	Wave-free characteristic of heave motion response for new sandglass-type model. Ships and Offshore Structures, 2018, 13, 181-193.	1.9	10
14	The tensile armour behaviour of unbonded flexible pipes close to end fittings under axial tension. Ships and Offshore Structures, 2016, 11, 445-460.	1.9	9
15	Creep damage model considering unilateral effect based on bimodulus theory. International Journal of Damage Mechanics, 2021, 30, 1558-1593.	4.2	9
16	Optimum design and global analysis of flexible jumper for an innovative subsurface production system in ultra-deep water. China Ocean Engineering, 2014, 28, 239-247.	1.6	8
17	Research on design scheme and hydrodynamic performance of floating body based on sandglass-type FDPSSO. Ships and Offshore Structures, 2016, 11, 540-550.	1.9	8
18	Experimental analysis on behaviour in waves for sandglass-type floating body. Ships and Offshore Structures, 2017, 12, 433-441.	1.9	8

#	ARTICLE	IF	CITATIONS
19	Parametric study on the behavior of an innovative subsurface tension leg platform in ultra-deep water. <i>China Ocean Engineering</i> , 2017, 31, 589-597.	1.6	8
20	A Study on Effects of Mechanical Stress and Cathodic Protection on Marine Coatings on Mild Steel in Artificial Seawater. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 3863-3879.	2.5	7
21	Probing the nonuniform corrosion of pipeline weldments under stepwise increasing solution temperature using a coupled multielement electrical resistance sensor. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 1386-1399.	1.5	7
22	Parametric Dimensional Analysis on the Structural Response of An Innovative Subsurface Tension Leg Platform in Ultra-Deep Water. <i>China Ocean Engineering</i> , 2018, 32, 482-489.	1.6	6
23	Taper design and non-linear analysis of bend stiffeners at the riser-vessel interface. <i>Ships and Offshore Structures</i> , 2013, 8, 189-199.	1.9	5
24	Effects of Immersion Temperature on the Performance of a Marine Epoxy-Based Organic Coating for Ballast Tanks. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4458-4465.	2.5	4
25	Uncertain Multidisciplinary Design Optimization on Next Generation Subsea Production System by Using Surrogate Model and Interval Method. <i>China Ocean Engineering</i> , 2021, 35, 609-621.	1.6	4
26	Experimental study on passivation and corrosion performances of pre-rusted steel in simulated concrete pore solution. <i>Corrosion Engineering Science and Technology</i> , 2022, 57, 232-242.	1.4	4
27	Research and Practical Exploration of Test and Validation Technologies Applied on Unmanned Surface Vehicle Optical Recognition. , 2021, , .		3
28	An Element-Free Galerkin Method Based on Complex Variable Moving Kriging Interpolation for Potential Problems. <i>International Journal of Computational Methods</i> , 2016, 13, 1650013.	1.3	2
29	Application of novel all-direction thruster for dynamic positioning of sandglass-type FDPSO. <i>Ships and Offshore Structures</i> , 2020, 15, 75-88.	1.9	2
30	Numerical Method to Simulate Self-Propulsion of Aframax Tanker in Irregular Waves. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-10.	1.1	2
31	Numerical Investigation on Hydrodynamic Characteristics of Immersed Buoyant Platform. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 168.	2.6	2
32	The Study of Corrosion Behaviors of Carbon Steel Weldments and Their Inhibition in Simulated Pore Solution Using Multi-Electrode Array Technique. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8278.	2.5	2
33	Analysis of Mechanical Energy Transport on Free-Falling Wedge during Water-Entry Phase. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-21.	0.9	1
34	Analysis on deepwater mooring system of sandglass-type FDPSO. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2015, 20, 395-402.	0.9	1
35	Experimental investigation on pressure drop of a laboratory-scale random packing column under roll and heave motion. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1172-1180.	1.7	1
36	Design and analysis of tapered stress joint for Top Tensioned Riser system. <i>China Ocean Engineering</i> , 2012, 26, 507-520.	1.6	0

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37	Computationally efficient approaches to fatigue analysis of deepwater risers. Journal of Shanghai Jiaotong University (Science), 2013, 18, 493-499.	0.9	0