

Weidong Ruan

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

228
citations

1163117

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1058476

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16
all docs

16
docs citations

16
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Behaviour of reinforced thermoplastic pipe (RTP) under combined external pressure and tension. Ships and Offshore Structures, 2014, 9, 464-474.	1.9	47
2	Static analysis of deepwater lazy-wave umbilical on elastic seabed. Ocean Engineering, 2014, 91, 73-83.	4.3	31
3	Mechanical behavior of metallic strip flexible pipe subjected to tension. Composite Structures, 2017, 170, 1-10.	5.8	31
4	Buckling of reinforced thermoplastic pipe (RTP) under combined bending and tension. Ships and Offshore Structures, 2014, 9, 525-539.	1.9	30
5	Dynamic analysis of unbonded flexible pipe with bend stiffener constraint and bending hysteretic behavior. Ocean Engineering, 2017, 130, 583-596.	4.3	22
6	Study on fatigue damage optimization mechanism of deepwater lazy wave risers based on multiple waveform serial arrangement. Ocean Engineering, 2021, 228, 108926.	4.3	16
7	Effective static stress range estimation for deepwater steel lazy-wave riser with vessel slow drift motion. Ships and Offshore Structures, 2019, 14, 899-909.	1.9	10
8	A new leak detection method for subsea pipelines. Ships and Offshore Structures, 2017, 12, S144-S152.	1.9	9
9	Behaviour of steel wire-reinforced thermoplastic pipe under combined bending and internal pressure. Ships and Offshore Structures, 2018, 13, 696-704.	1.9	9
10	Reliability-based design of subsea light weight pipeline against lateral stability. Marine Structures, 2015, 43, 107-124.	3.8	8
11	Safety assessment study of a planned offshore floating platform pipelaying test. Ships and Offshore Structures, 2018, 13, 202-213.	1.9	6
12	Study on risk assessment and numerical simulation method of subsea manifold system. Ships and Offshore Structures, 2021, 16, 245-255.	1.9	5
13	On-bottom stability of subsea lightweight pipeline (LWP) on sand soil surface. Ships and Offshore Structures, 2017, 12, 954-962.	1.9	3
14	Study on motion transfer rule and extreme dynamic response of SCR's top-end heave excitation. Journal of Marine Engineering and Technology, 2021, 20, 186-199.	4.1	1
15	A Study on a Quantitative Analysis Method for Fire and Explosion Risk Assessment of Offshore Platforms. Advances in Civil Engineering, 2020, 2020, 1-20.	0.7	0
16	A global-local approach for dynamic stress evaluation of lazy wave flexible risers subjected to random wave and vessel motion. Ships and Offshore Structures, 2023, 18, 810-826.	1.9	0