

Yong Bai

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

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citations

933447

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48
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docs citations

48
times ranked

233
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	Dynamics of Transit Oriented Development, Role of Greenhouse Gases and Urban Environment: A Study for Management and Policy. Sustainability, 2021, 13, 2536.	3.2	32
3	Buckling of reinforced thermoplastic pipe (RTP) under combined bending and tension. Ships and Offshore Structures, 2014, 9, 525-539.	1.9	30
4	Analysis of steel strip reinforced thermoplastic pipe under internal pressure. Ships and Offshore Structures, 2016, 11, 766-773.	1.9	21
5	Time-dependent reliability assessment of offshore jacket platforms. Ships and Offshore Structures, 2016, 11, 591-602.	1.9	17
6	Fatigue Crack Monitoring of T-Type Joints in Steel Offshore Oil and Gas Jacket Platform. Sensors, 2021, 21, 3294.	3.8	16
7	3D mechanical analysis of subsea manifold installation by drill pipe in deep water. Ships and Offshore Structures, 2014, 9, 333-343.	1.9	15
8	Structural analysis of fibreglass reinforced bonded flexible pipe subjected to tension. Ships and Offshore Structures, 2019, 14, 777-787.	1.9	15
9	Route planning for autonomous vessels based on improved artificial fish swarm algorithm. Ships and Offshore Structures, 2023, 18, 897-906.	1.9	14
10	Study on reinforced thermoplastic pipe under combined tension and internal pressure. Ships and Offshore Structures, 2018, 13, 86-97.	1.9	12
11	Mechanical responses of metallic strip flexible pipe subjected to combined bending and external pressure. Ships and Offshore Structures, 2018, 13, 320-329.	1.9	10
12	A risk-based inspection planning methodology for integrity management of subsea oil and gas pipelines. Ships and Offshore Structures, 0, , 1-13.	1.9	10
13	Mechanical behavior of pipe reinforced by steel wires under external pressure. Journal of Reinforced Plastics and Composites, 2016, 35, 398-407.	3.1	9
14	A new leak detection method for subsea pipelines. Ships and Offshore Structures, 2017, 12, S144-S152.	1.9	9
15	Behaviour of steel wire-reinforced thermoplastic pipe under combined bending and internal pressure. Ships and Offshore Structures, 2018, 13, 696-704.	1.9	9
16	An Experimental Study of Damage Detection on Typical Joints of Jackets Platform Based on Electro-Mechanical Impedance Technique. Materials, 2021, 14, 7168.	2.9	9
17	Behaviour of reinforced thermoplastic pipe under combined bending and external pressure. Ships and Offshore Structures, 0, , 1-12.	1.9	7
18	Numerical simulation for VIV of a long flexible cylinder in the time domain. Ships and Offshore Structures, 2018, 13, 214-227.	1.9	7

#	ARTICLE	IF	CITATIONS
19	Failure behavior analysis of steel stripâ€“reinforced flexible pipe under combined tension and internal pressure. Journal of Thermoplastic Composite Materials, 2020, 33, 727-753.	4.2	7
20	Dynamic analysis of submarine cable during the process of laying back to the seabed. Ships and Offshore Structures, 2020, 15, 153-161.	1.9	7
21	On critical design parameters of reinforced thermoplastic pipes associated with the pipe-lay installation. Ships and Offshore Structures, 2017, 12, S134-S143.	1.9	7
22	Theoretical and finite-element study of mechanical behaviour of central, large-diameter umbilical cables under tension and torsion. Ships and Offshore Structures, 2015, 10, 393-403.	1.9	6
23	Safety assessment study of a planned offshore floating platform pipelaying test. Ships and Offshore Structures, 2018, 13, 202-213.	1.9	6
24	Safety analysis of an offshore platform for leakage and deflagration accidents from adjacent oil and gas storage and transportation units. Ships and Offshore Structures, 2021, 16, 815-826.	1.9	6
25	Numerical Simulations of GFRP-Reinforced Columns Having Polypropylene and Polyvinyl Alcohol Fibers. Complexity, 2020, 2020, 1-14.	1.6	6
26	A methodology to derive design metocean internal wave current criteria for submarine structures. Ships and Offshore Structures, 2020, , 1-10.	1.9	6
27	Study on risk assessment and numerical simulation method of subsea manifold system. Ships and Offshore Structures, 2021, 16, 245-255.	1.9	5
28	Analysis of the mechanical properties of a fibreglass reinforced flexible pipe (FGRFP). Ships and Offshore Structures, 2022, 17, 589-606.	1.9	5
29	System reliability of a semi-submersible drilling rig. Ships and Offshore Structures, 2013, 8, 84-93.	1.9	4
30	Reassessment of the jacket structure due to uniform corrosion damage. Ships and Offshore Structures, 0, , 1-8.	1.9	4
31	Software implemented fault tolerance of triple-redundant dynamic positioning (DP) control system. Ships and Offshore Structures, 2017, 12, 545-552.	1.9	4
32	Analysis on the ultimate bearing capacity of plastic pipe reinforced by cross-helicallly winding steel wires under internal pressure. Ships and Offshore Structures, 2018, 13, 264-272.	1.9	4
33	Dynamic analysis of umbilical cable under interference with riser. Ships and Offshore Structures, 2018, , 1-13.	1.9	4
34	Energy harvesting efficiency analysis of counter-rotating horizontal-axis tidal turbines. Ships and Offshore Structures, 2022, 17, 1891-1900.	1.9	4
35	Consequences of Failure Modeling for Oil and Gas Spills. , 2014, , 345-362.		3
36	On-bottom stability of subsea lightweight pipeline (LWP) on sand soil surface. Ships and Offshore Structures, 2017, 12, 954-962.	1.9	3

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37	On Markov modelling for reliability analysis of class 3 dynamic positioning (DP) control system. Ships and Offshore Structures, 2018, 13, 191-201.	1.9	3
38	Systematic reliability analysis of the Dynamic Positioning (DP) control system for a deepwater drilling rig. Ships and Offshore Structures, 2021, 16, 1114-1124.	1.9	3
39	Burst pressure of perforated-steel strip composite pipe. Ships and Offshore Structures, 2022, 17, 1178-1189.	1.9	3
40	Welding distortion prediction and mitigation in thick steel plate structures on ships. Ships and Offshore Structures, 2022, 17, 2674-2685.	1.9	3
41	Analysis on the long-term hydrostatic strength of Kevlar fibre reinforced flexible pipe. Ships and Offshore Structures, 2018, 13, 226-232.	1.9	2
42	Parametric study for confined collapse of unbonded multi-layer pipe. Ships and Offshore Structures, 2019, 14, 251-260.	1.9	2
43	Metocean Criteria for Internal Solitary Waves Obtained from Numerical Models. Water (Switzerland), 2021, 13, 1554.	2.7	2
44	Analysis of the mechanical properties of a reinforced thermoplastic composite pipe joint. Ships and Offshore Structures, 0, , 1-7.	1.9	2
45	Mechanical properties of glass fibre reinforced pipeline during the laying process. Ships and Offshore Structures, 0, , 1-8.	1.9	2
46	Comparative analysis of a jack-up drilling unit with different leg systems. Journal of Marine Science and Application, 2012, 11, 368-377.	1.7	1
47	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
48	On the analysis of burst capacity of steel strip reinforced flexible pipe with swaging endfitting. Ships and Offshore Structures, 0, , 1-8.	1.9	0