

Yong Bai

List of Publications by Year in descending order

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48
papers

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all docs

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Route planning for autonomous vessels based on improved artificial fish swarm algorithm. Ships and Offshore Structures, 2023, 18, 897-906.	1.9	14
2	Burst pressure of perforated-steel strip composite pipe. Ships and Offshore Structures, 2022, 17, 1178-1189.	1.9	3
3	Energy harvesting efficiency analysis of counter-rotating horizontal-axis tidal turbines. Ships and Offshore Structures, 2022, 17, 1891-1900.	1.9	4
4	Analysis of the mechanical properties of a fibreglass reinforced flexible pipe (FGRFP). Ships and Offshore Structures, 2022, 17, 589-606.	1.9	5
5	Welding distortion prediction and mitigation in thick steel plate structures on ships. Ships and Offshore Structures, 2022, 17, 2674-2685.	1.9	3
6	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
7	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
8	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
9	Metocean Criteria for Internal Solitary Waves Obtained from Numerical Models. Water (Switzerland), 2021, 13, 1554.	2.7	2
10	Study on risk assessment and numerical simulation method of subsea manifold system. Ships and Offshore Structures, 2021, 16, 245-255.	1.9	5
11	Fatigue Crack Monitoring of T-Type Joints in Steel Offshore Oil and Gas Jacket Platform. Sensors, 2021, 21, 3294.	3.8	16
12	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
13	Failure behavior analysis of steel strip-reinforced flexible pipe under combined tension and internal pressure. Journal of Thermoplastic Composite Materials, 2020, 33, 727-753.	4.2	7
14	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
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	Numerical Simulations of GFRP-Reinforced Columns Having Polypropylene and Polyvinyl Alcohol Fibers. Complexity, 2020, 2020, 1-14.	1.6	6
17	A methodology to derive design metocean internal wave current criteria for submarine structures. Ships and Offshore Structures, 2020, , 1-10.	1.9	6
18	Parametric study for confined collapse of unbonded multi-layer pipe. Ships and Offshore Structures, 2019, 14, 251-260.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Structural analysis of fibreglass reinforced bonded flexible pipe subjected to tension. Ships and Offshore Structures, 2019, 14, 777-787.	1.9	15
20	Numerical simulation for VIV of a long flexible cylinder in the time domain. Ships and Offshore Structures, 2018, 13, 214-227.	1.9	7
21	Safety assessment study of a planned offshore floating platform pipelaying test. Ships and Offshore Structures, 2018, 13, 202-213.	1.9	6
22	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
23	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
24	Analysis on the long-term hydrostatic strength of Kevlar fibre reinforced flexible pipe. Ships and Offshore Structures, 2018, 13, 226-232.	1.9	2
25	Analysis on the ultimate bearing capacity of plastic pipe reinforced by cross-helically winding steel wires under internal pressure. Ships and Offshore Structures, 2018, 13, 264-272.	1.9	4
26	Dynamic analysis of umbilical cable under interference with riser. Ships and Offshore Structures, 2018, , 1-13.	1.9	4
27	Study on reinforced thermoplastic pipe under combined tension and internal pressure. Ships and Offshore Structures, 2018, 13, 86-97.	1.9	12
28	Behaviour of steel wire-reinforced thermoplastic pipe under combined bending and internal pressure. Ships and Offshore Structures, 2018, 13, 696-704.	1.9	9
29	On-bottom stability of subsea lightweight pipeline (LWP) on sand soil surface. Ships and Offshore Structures, 2017, 12, 954-962.	1.9	3
30	Software implemented fault tolerance of triple-redundant dynamic positioning (DP) control system. Ships and Offshore Structures, 2017, 12, 545-552.	1.9	4
31	A new leak detection method for subsea pipelines. Ships and Offshore Structures, 2017, 12, S144-S152.	1.9	9
32	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
33	Mechanical behavior of pipe reinforced by steel wires under external pressure. Journal of Reinforced Plastics and Composites, 2016, 35, 398-407.	3.1	9
34	Analysis of steel strip reinforced thermoplastic pipe under internal pressure. Ships and Offshore Structures, 2016, 11, 766-773.	1.9	21
35	Time-dependent reliability assessment of offshore jacket platforms. Ships and Offshore Structures, 2016, 11, 591-602.	1.9	17
36	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

#	ARTICLE	IF	CITATIONS
37	Buckling of reinforced thermoplastic pipe (RTP) under combined bending and tension. Ships and Offshore Structures, 2014, 9, 525-539.	1.9	30
38	Consequences of Failure Modeling for Oil and Gas Spills. , 2014, , 345-362.		3
39	Behaviour of reinforced thermoplastic pipe (RTP) under combined external pressure and tension. Ships and Offshore Structures, 2014, 9, 464-474.	1.9	47
40	3D mechanical analysis of subsea manifold installation by drill pipe in deep water. Ships and Offshore Structures, 2014, 9, 333-343.	1.9	15
41	System reliability of a semi-submersible drilling rig. Ships and Offshore Structures, 2013, 8, 84-93.	1.9	4
42	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
43	Behaviour of reinforced thermoplastic pipe under combined bending and external pressure. Ships and Offshore Structures, 0, , 1-12.	1.9	7
44	Reassessment of the jacket structure due to uniform corrosion damage. Ships and Offshore Structures, 0, , 1-8.	1.9	4
45	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
46	Analysis of the mechanical properties of a reinforced thermoplastic composite pipe joint. Ships and Offshore Structures, 0, , 1-7.	1.9	2
47	Mechanical properties of glass fibre reinforced pipeline during the laying process. Ships and Offshore Structures, 0, , 1-8.	1.9	2
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