

# Bernt J Leira

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

502  
citations

623734

14  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic fatigue model for design and life extension of mooring chains, including mean load and corrosion effects. <i>Ocean Engineering</i> , 2022, 245, 110396.	4.3	7
2	Statistics of thickness and strength of first-year ice along the Northern Sea Route. <i>Journal of Marine Science and Technology</i> , 2021, 26, 331-343.	2.9	10
3	On Characteristics of Ice Ridges and Icebergs for Design of Ship Hulls in Polar Regions Based on Environmental Design Contours. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5749.	2.5	4
4	A benchmarking exercise for environmental contours. <i>Ocean Engineering</i> , 2021, 236, 109504.	4.3	26
5	Effect of environmental modelling and inspection strategy on the optimal design of floating wind turbines. <i>Reliability Engineering and System Safety</i> , 2021, 214, 107706.	8.9	8
6	Estimation of Ice Conditions Along the Northern Sea Route. <i>Lecture Notes in Civil Engineering</i> , 2021, , 397-408.	0.4	1
7	Development of environmental contours for first-year ice ridge statistics. <i>Structural Safety</i> , 2020, 87, 101996.	5.3	5
8	Software-to-Software Comparison of End-Anchored Floating Bridge Global Analysis. <i>Journal of Bridge Engineering</i> , 2020, 25, .	2.9	16
9	Uncertainty assessments of structural loading due to first year ice based on the ISO standard by using Monte-Carlo simulation. <i>Ocean Engineering</i> , 2020, 198, 106935.	4.3	16
10	Fatigue reliability assessment of offshore wind turbines with stochastic availability. <i>Reliability Engineering and System Safety</i> , 2019, 191, 106550.	8.9	27
11	Impact of model uncertainties on the fatigue reliability of offshore wind turbines. <i>Marine Structures</i> , 2019, 64, 174-185.	3.8	24
12	Short-term extreme ice loads prediction and fatigue damage evaluation for an icebreaker. <i>Ships and Offshore Structures</i> , 2018, 13, 127-137.	1.9	23
13	A new combination of conditional environmental distributions. <i>Applied Ocean Research</i> , 2018, 73, 17-26.	4.1	39
14	Environmental contours based on inverse SORM. <i>Marine Structures</i> , 2018, 60, 34-51.	3.8	62
15	Probabilistic methods for estimation of the extreme value statistics of ship ice loads. <i>Cold Regions Science and Technology</i> , 2018, 146, 87-97.	3.5	29
16	Reliability-based safety factor for metallic strip flexible pipe subjected to external pressure. <i>Ocean Engineering</i> , 2018, 148, 43-52.	4.3	10
17	Reliability Assessment of a Bridge Structure Subjected to Chloride Attack. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2018, 28, 318-324.	0.8	3
18	Reliability analysis of corroding pipelines by enhanced Monte Carlo simulation. <i>International Journal of Pressure Vessels and Piping</i> , 2016, 144, 11-17.	2.6	58

#	ARTICLE	IF	CITATIONS
19	Mooring system diagnosis and structural reliability control for position moored vessels. Control Engineering Practice, 2015, 36, 12-26.	5.5	18
20	Position mooring control based on a structural reliability criterion. Structural Safety, 2013, 41, 97-106.	5.3	23
21	Recent structural design considerations related to floating production systems. IES Journal Part A: Civil and Structural Engineering, 2010, 3, 50-64.	0.4	1
22	A comparison of stochastic process models for definition of design contours. Structural Safety, 2008, 30, 493-505.	5.3	33
23	Structural reliability-based control of moored interconnected structures. Control Engineering Practice, 2008, 16, 495-504.	5.5	21
24	Dynamic Positioning of Moored Vessels Based on Structural Reliability. , 2006, , .		12
25	A reliability-based control algorithm for dynamic positioning of floating vessels. Structural Safety, 2004, 26, 1-28.	5.3	25