

Arne Bang Huseby

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

557
citations

759233

12
h-index

642732

23
g-index

31
all docs

31
docs citations

31
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to environmental contours for ocean engineering applications based on direct Monte Carlo simulations. <i>Ocean Engineering</i> , 2013, 60, 124-135.	4.3	99
2	Alternative environmental contours for structural reliability analysis. <i>Structural Safety</i> , 2015, 54, 32-45.	5.3	74
3	On environmental contours for marine and coastal design. <i>Ocean Engineering</i> , 2020, 195, 106194.	4.3	54
4	A Bayesian hierarchical spatio-temporal model for significant wave height in the North Atlantic. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012, 26, 609-632.	4.0	41
5	Simulation based analysis and an application to an offshore oil and gas production system of the Natvig measures of component importance in repairable systems. <i>Reliability Engineering and System Safety</i> , 2009, 94, 1629-1638.	8.9	32
6	Measures of component importance in repairable multistate systems—a numerical study. <i>Reliability Engineering and System Safety</i> , 2011, 96, 1680-1690.	8.9	31
7	Modelling ocean wave climate with a Bayesian hierarchical space-time model and a log-transform of the data. <i>Ocean Dynamics</i> , 2012, 62, 355-375.	2.2	28
8	A benchmarking exercise for environmental contours. <i>Ocean Engineering</i> , 2021, 236, 109504.	4.3	26
9	Domination theory and the crapo $\hat{\rho}^2$ -invariant. <i>Networks</i> , 1989, 19, 135-149.	2.7	24
10	Discrete event simulation methods applied to advanced importance measures of repairable components in multistate network flow systems. <i>Reliability Engineering and System Safety</i> , 2013, 119, 186-198.	8.9	17
11	On the equivalence of systems of different sizes, with applications to system comparisons. <i>Advances in Applied Probability</i> , 2016, 48, 332-348.	0.7	15
12	Modelling the effect of climate change on the wave climate of the world's oceans. <i>Ocean Science Journal</i> , 2012, 47, 123-145.	1.3	14
13	Multisegment production profile models — A tool for enhanced total value chain analysis. <i>Journal of Petroleum Science and Engineering</i> , 2007, 58, 325-338.	4.2	13
14	Bayesian hierarchical spatio-temporal modelling of trends and future projections in the ocean wave climate with a CO_2 regression component. <i>Environmental and Ecological Statistics</i> , 2014, 21, 189-220.	3.5	13
15	Multi-reservoir production optimization. <i>European Journal of Operational Research</i> , 2009, 199, 236-251.	5.7	12
16	A Stochastic Model in Space and Time for Monthly Maximum Significant Wave Height. <i>Quantitative Geology and Geostatistics</i> , 2012, , 505-517.	0.1	9
17	A decision support model to assess the braking performance on snow and ice contaminated runways. <i>Cold Regions Science and Technology</i> , 2015, 117, 43-51.	3.5	8
18	A new Monte Carlo method for environmental contour estimation. , 2014, , 2091-2098.		8

#	ARTICLE	IF	CITATIONS
19	Modelling extreme claims via composite models and threshold selection methods. Insurance: Mathematics and Economics, 2020, 91, 257-268.	1.2	7
20	Drug abuse and environment in youth. Social Psychiatry Sozialpsychiatrie Psychiatrie Sociale, 1985, 20, 179-185.	1.1	6
21	BIRNBAUM CRITICALITY AND IMPORTANCE MEASURES FOR MULTISTATE SYSTEMS WITH REPAIRABLE COMPONENTS. Probability in the Engineering and Informational Sciences, 2022, 36, 66-86.	0.8	5
22	A Bayesian-Hierarchical Space-Time Model for Significant Wave Height Data. , 2011, , .		5
23	On dependence and reliability computations. Networks, 1991, 21, 521-545.	2.7	4
24	A New Method for Environmental Contours in Marine Structural Design. , 2013, , .		4
25	Convex environmental contours. Ocean Engineering, 2021, 235, 109366.	4.3	3
26	IMPROVED SIMULATION METHODS FOR SYSTEM RELIABILITY EVALUATION. Series on Quality, Reliability and Engineering Statistics, 2003, , 105-121.	0.2	2
27	Hydrocarbon Production Optimization in Fields With Different Ownership and Commercial Interests. SPE Reservoir Evaluation and Engineering, 2010, 13, 95-104.	1.8	1
28	Optimizing energy production systems under uncertainty. , 2016, , 1619-1626.		1
29	On Environmental Contours for Marine and Coastal Design. , 2019, , .		1
30	Oriented matroid systems. Discrete Applied Mathematics, 2011, 159, 31-45.	0.9	0
31	Partial monitoring of multistate systems. Reliability Engineering and System Safety, 2018, 180, 434-452.	8.9	0