Gholamhossein Najafian

List of Publications by Year
in descending order

29 papers	179 citations	1478505 6 h-index	1281871 11 g-index
31 all docs	31 docs citations	31 times ranked	40 citing authors

#	Article	IF	Citations
1	Application of system identification techniques in efficient modelling of offshore structural response. Part I: Model development. Applied Ocean Research, 2007, 29, 1-16.	4.1	24
2	Probability models for offshore structural response due to Morison wave loading Part I: Drag-only response. Ocean Engineering, 2007, 34, 2277-2288.	4.3	22
3	A Review of the Probabilistic Description of Morison Wave Loading and Response of Fixed Offshore Structures. Journal of Fluids and Structures, 1995, 9, 585-616.	3.4	16
4	Application of system identification techniques in efficient modelling of offshore structural response. Part II: Model validation. Applied Ocean Research, 2007, 29, 17-36.	4.1	15
5	Derivation of statistical properties of wave-induced offshore structural response by principal component technique. Ocean Engineering, 2007, 34, 987-999.	4.3	9
6	Offshore Structural Reliability Assessment by Probabilistic Proceduresâ€"A Review. Journal of Marine Science and Engineering, 2021, 9, 998.	2.6	9
7	Extreme structural response values from various methods of simulating wave kinematics. Ships and Offshore Structures, 2016, 11, 369-384.	1.9	7
8	Efficient derivation of extreme offshore structural response exposed to random wave loads. Ships and Offshore Structures, 2018, 13, 719-733.	1.9	7
9	Probability models for offshore structural response due to Morison wave loading. Ocean Engineering, 2007, 34, 2289-2299.	4.3	6
10	Reliability-Based Design and Assessment for Lifetime Extension of Ageing Offshore Structures. , 2016, , .		5
11	Extreme Response Prediction for Fixed Offshore Structures by Monte Carlo Time Simulation Technique. , 2016, , .		5
12	Short-term probability distribution of the extreme values of offshore structural response by an efficient time simulation technique. Ships and Offshore Structures, 2016, 11, 286-299.	1.9	5
13	Extreme structural responses by nonlinear system identification for fixed offshore platforms. Ships and Offshore Structures, 2018, 13, 251-263.	1.9	5
14	Efficient Derivation of the Probability Distribution of Extreme Responses due to Random Wave Loading From the Probability Distribution of Extreme Surface Elevations. , 2013, , .		4
15	Comparison of Various Spectral Models for the Prediction of the 100-Year Design Wave Height. MATEC Web of Conferences, 2018, 203, 01020.	0.2	4
16	Derivation of the Probability Distribution of Extreme Values of Offshore Structural Response by Efficient Time Simulation Method. Open Civil Engineering Journal, 2013, 7, 261-272.	0.8	4
17	Accurate Estimation of the 100-Year Responses From the Probability Distribution of Extreme Surface Elevations. , 2014, , .		3
18	Prediction of Offshore Structural Response Extreme Values by Modified Finite-Memory Nonlinear System Modeling. , 2016, , .		3

#	Article	IF	Citations
19	Prediction of offshore structural response extreme values by three different approaches of efficient time simulation technique. Ships and Offshore Structures, 2017, 12, 290-301.	1.9	3
20	Comparison of Extreme Offshore Structural Response from Two Alterna-tive Stretching Techniques. Open Civil Engineering Journal, 2013, 7, 273-281.	0.8	3
21	Finite-Memory Nonlinear System Modelling of Offshore Structural Response Accounting for Extreme Values Residues. , 2013, , .		3
22	Short-Term Distribution of the Extreme Values of Offshore Structural Response by Modified Finite-Memory Nonlinear System Modeling. , 2013, , .		2
23	Efficient time simulation method for predicting the 100-year extreme responses of an offshore platform. Ships and Offshore Structures, 2019, 14, 401-409.	1.9	2
24	Efficient derivation of extreme non-Gaussian stochastic structural response using finite-memory nonlinear system. Part 2: model validation. Ships and Offshore Structures, 0, , 1-15.	1.9	2
25	Numerical formulation based on ocean wave mechanics for offshore structure analysis â€“ a review. Ships and Offshore Structures, 0, , 1-12.	1.9	2
26	Finite-Memory Nonlinear System Modelling of Offshore Structures. , 2008, , .		2
27	The Effect of Different Methods of Simulating Water Particle Kinematics on the 100-Year Responses. , 2016, , .		1
28	Extreme response prediction for fixed offshore structures by efficient time simulation regression procedures. Part 2: model validation. Ships and Offshore Structures, 2023, 18, 414-422.	1.9	1
29	Efficient derivation of extreme non-Gaussian stochastic structural response using the finite-memory nonlinear system (FMNS_{NL}). Part 1: model development. Ships and Offshore Structures, 0, , 1-14.	1.9	0