

Gholamhossein Najafian

List of Publications by Year in descending order

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29
papers

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40
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | Offshore Structural Reliability Assessment by Probabilistic Procedures—A Review. Journal of Marine Science and Engineering, 2021, 9, 998. | 2.6 | 9 |
| 3 | 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 |
| 4 | Efficient derivation of extreme offshore structural response exposed to random wave loads. Ships and Offshore Structures, 2018, 13, 719-733. | 1.9 | 7 |
| 5 | Extreme structural responses by nonlinear system identification for fixed offshore platforms. Ships and Offshore Structures, 2018, 13, 251-263. | 1.9 | 5 |
| 6 | 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 |
| 7 | 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 |
| 8 | Reliability-Based Design and Assessment for Lifetime Extension of Ageing Offshore Structures. , 2016, , . | | 5 |
| 9 | Prediction of Offshore Structural Response Extreme Values by Modified Finite-Memory Nonlinear System Modeling. , 2016, , . | | 3 |
| 10 | Extreme Response Prediction for Fixed Offshore Structures by Monte Carlo Time Simulation Technique. , 2016, , . | | 5 |
| 11 | The Effect of Different Methods of Simulating Water Particle Kinematics on the 100-Year Responses. , 2016, , . | | 1 |
| 12 | Extreme structural response values from various methods of simulating wave kinematics. Ships and Offshore Structures, 2016, 11, 369-384. | 1.9 | 7 |
| 13 | 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 |
| 14 | Accurate Estimation of the 100-Year Responses From the Probability Distribution of Extreme Surface Elevations. , 2014, , . | | 3 |
| 15 | Short-Term Distribution of the Extreme Values of Offshore Structural Response by Modified Finite-Memory Nonlinear System Modeling. , 2013, , . | | 2 |
| 16 | Efficient Derivation of the Probability Distribution of Extreme Responses due to Random Wave Loading From the Probability Distribution of Extreme Surface Elevations. , 2013, , . | | 4 |
| 17 | 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 |
| 18 | Comparison of Extreme Offshore Structural Response from Two Alternative Stretching Techniques. Open Civil Engineering Journal, 2013, 7, 273-281. | 0.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Finite-Memory Nonlinear System Modelling of Offshore Structural Response Accounting for Extreme Values Residues. , 2013, , . | | 3 |
| 20 | Finite-Memory Nonlinear System Modelling of Offshore Structures. , 2008, , . | | 2 |
| 21 | 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 |
| 22 | Derivation of statistical properties of wave-induced offshore structural response by principal component technique. Ocean Engineering, 2007, 34, 987-999. | 4.3 | 9 |
| 23 | 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 |
| 24 | Probability models for offshore structural response due to Morison wave loading. Ocean Engineering, 2007, 34, 2289-2299. | 4.3 | 6 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Numerical formulation based on ocean wave mechanics for offshore structure analysis – a review. Ships and Offshore Structures, 0, , 1-12. | 1.9 | 2 |
| 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 |