

Arndt Hildebrandt

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

211
citations

1163117

8
h-index

1058476

14
g-index

20
all docs

20
docs citations

20
times ranked

122
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Processes and evolution of scour around a monopile induced by tidal currents. Coastal Engineering, 2018, 139, 65-84. | 4.0 | 40 |
| 2 | Scour development around a jacket structure in combined waves and current conditions compared to monopile foundations. Coastal Engineering, 2019, 152, 103515. | 4.0 | 39 |
| 3 | A benchmarking exercise for environmental contours. Ocean Engineering, 2021, 236, 109504. | 4.3 | 26 |
| 4 | Physical Modelling of Blue Mussel Dropper Lines for the Development of Surrogates and Hydrodynamic Coefficients. Journal of Marine Science and Engineering, 2019, 7, 65. | 2.6 | 15 |
| 5 | Wind-wave misalignment and a combination method for direction-dependent extreme incidents. Ocean Engineering, 2019, 180, 10-22. | 4.3 | 14 |
| 6 | Volume-Based Assessment of Erosion Patterns around a Hydrodynamic Transparent Offshore Structure. Energies, 2019, 12, 3089. | 3.1 | 10 |
| 7 | Numerical investigation of the effect of aeration and hydroelasticity on impact loading and structural response for elastic plates during water entry. Ocean Engineering, 2020, 201, 107098. | 4.3 | 8 |
| 8 | Influence of Structural Elements on the Spatial Sediment Displacement around a Jacket-Type Offshore Foundation. Water (Switzerland), 2020, 12, 1651. | 2.7 | 8 |
| 9 | Messdatenbasierte Empfehlungen von Wind- und Wellenparametern für die Auslegung von Offshore-Windenergieanlagen. Bautechnik, 2014, 91, 533-542. | 0.1 | 7 |
| 10 | Role and Impact of Hydrograph Shape on Tidal Current-Induced Scour in Physical-Modelling Environments. Water (Switzerland), 2019, 11, 2636. | 2.7 | 7 |
| 11 | Drag and inertia coefficients of live and surrogate shellfish dropper lines under steady and oscillatory flow. Ocean Engineering, 2021, 235, 109377. | 4.3 | 7 |
| 12 | New system design for the cultivation of extractive species at exposed sites - Part 1: System design, deployment and first response to high-energy environments. Applied Ocean Research, 2021, 110, 102603. | 4.1 | 5 |
| 13 | New system design for the cultivation of extractive species at exposed sites - Part 2: Experimental modelling in waves and currents. Applied Ocean Research, 2021, 113, 102749. | 4.1 | 5 |
| 14 | Experimental investigation of offshore crane load during installation of a wind turbine jacket substructure in regular waves. Ocean Engineering, 2021, 241, 109979. | 4.3 | 5 |
| 15 | Large-Scale Laboratory Experiments on Mussel Dropper Lines in Ocean Surface Waves. Journal of Marine Science and Engineering, 2021, 9, 29. | 2.6 | 5 |
| 16 | Wellenbrechen an Offshore Tripod-Gründungen -Versuche und Simulationen im Vergleich zu Richtlinien. Bautechnik, 2012, 89, 301-308. | 0.1 | 4 |
| 17 | WAVE FORCES ON GROUPS OF SLENDER CYLINDERS IN COMPARISON TO AN ISOLATED CYLINDER DUE TO NON-BREAKING WAVES. , 2009, , . | | 3 |
| 18 | EXCITATION AND DYNAMIC RESPONSES OF JACKET STRUCTURES IN REGULAR WAVES FOR OFFSHORE INSTALLATION. Coastal Engineering Proceedings, 2017, , 12. | 0.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | Loads and Dynamic Response of a Floating Wave Energy Converter due to Regular Waves From CFD Simulations. , 2016, , . | | 1 |
| 20 | BORE PROPAGATION OVER A SUBMERGED HORIZONTAL PLATE BY PHYSICAL AND NUMERICAL SIMULATION. , 2009, , . | | 0 |