

Oleg Gaidai

List of Publications by Year in descending order

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31
papers

463
citations

567281

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19
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31
all docs

31
docs citations

31
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	Offshore renewable energy site correlated wind-wave statistics. Probabilistic Engineering Mechanics, 2022, 68, 103207.	2.7	46
2	Piezoelectric energy harvesting from vortex-induced vibration of a circular cylinder: Effect of Reynolds number. Ocean Engineering, 2021, 235, 109378.	4.3	36
3	Extreme large cargo ship panel stresses by bivariate ACER method. Ocean Engineering, 2016, 123, 432-439.	4.3	30
4	High performance energy harvesting from flow-induced vibrations in trapezoidal oscillators. Energy, 2021, 236, 121484.	8.8	26
5	A novel design approach for estimation of extreme responses of a subsea shuttle tanker hovering in ocean current considering aft thruster failure. Applied Ocean Research, 2022, 123, 103179.	4.1	26
6	Bivariate statistics of floating offshore wind turbine dynamic response under operational conditions. Ocean Engineering, 2022, 257, 111657.	4.3	23
7	Extreme loads analysis of a site-specific semi-submersible type wind turbine. Ships and Offshore Structures, 2020, 15, S46-S54.	1.9	22
8	Bivariate Extreme Value Statistics of Offshore Jacket Support Stresses in Bohai Bay. Journal of Offshore Mechanics and Arctic Engineering, 2018, 140, .	1.2	21
9	Extreme riser experimental loads caused by sea currents in the Gulf of Eilat. Probabilistic Engineering Mechanics, 2022, 68, 103243.	2.7	21
10	A stochastic method for the prediction of icebreaker bow extreme stresses. Applied Ocean Research, 2019, 87, 95-101.	4.1	20
11	Improving the prediction of extreme FPSO hawser tension, using another highly correlated hawser tension with a longer time record. Applied Ocean Research, 2019, 88, 89-98.	4.1	18
12	Improving extreme wind speed prediction based on a short data sample, using a highly correlated long data sample. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 188, 102-109.	3.9	18
13	Bivariate statistics of wind farm support vessel motions while docking. Ships and Offshore Structures, 2021, 16, 135-143.	1.9	18
14	Statistics of extreme hydroelastic response for large ships. Marine Structures, 2018, 61, 142-154.	3.8	17
15	SEM-REV offshore energy site wind-wave bivariate statistics by hindcast. Renewable Energy, 2020, 156, 689-695.	8.9	17
16	Improving extreme wind speed prediction for North Sea offshore oil and gas fields. Applied Ocean Research, 2019, 88, 63-70.	4.1	13
17	Wind Farm Support Vessel Extreme Roll Assessment While Docking in the Bohai Sea. China Ocean Engineering, 2021, 35, 308-316.	1.6	11
18	Long-term offshore Bohai bay Jacket strength assessment based on satellite wave data. Ships and Offshore Structures, 2018, 13, 657-665.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Efficient fatigue assessment of ship structural details. <i>Ships and Offshore Structures</i> , 2020, 15, 503-510.	1.9	9
20	Improving Extreme Anchor Tension Prediction of a 10-MW Floating Semi-Submersible Type Wind Turbine, Using Highly Correlated Surge Motion Record. <i>Frontiers in Mechanical Engineering</i> , 0, 8, .	1.8	9
21	Nonlinear 6D response statistics of a rotating shaft subjected to colored noise by path integration on GPU. <i>International Journal of Non-Linear Mechanics</i> , 2019, 111, 142-148.	2.6	8
22	Response statistics of rotating shaft with non-linear elastic restoring forces by path integration. <i>Journal of Sound and Vibration</i> , 2017, 400, 113-121.	3.9	7
23	Rotating shaft's non-linear response statistics under biaxial random excitation, by path integration. <i>International Journal of Mechanical Sciences</i> , 2018, 142-143, 121-126.	6.7	6
24	Improving container ship panel stress prediction, based on another highly correlated panel stress measurement. <i>Marine Structures</i> , 2019, 64, 138-145.	3.8	5
25	Offshore crane non-linear stochastic response: novel design and extreme response by a path integration. <i>Ships and Offshore Structures</i> , 2022, 17, 1294-1300.	1.9	5
26	Extreme Response Statistics of Fixed Offshore Structures Subjected to Ringing Loads. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2014, 136, .	1.2	4
27	Airgap Statistics for a Tension Leg Platform. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2015, 137, .	1.2	4
28	Extreme hawser tension assessment for FPSO vessel during offloading operation in Bohai bay. <i>Marine Structures</i> , 2021, 76, 102917.	3.8	4
29	Extreme Value Statistics of Large Container Ship Roll. <i>Journal of Ship Research</i> , 2016, 60, 92-100.	1.1	4
30	Influence of the vibroimpact interaction on sloshing dynamics in a rectangular tank. <i>Ocean Engineering</i> , 2020, 217, 107821.	4.3	3
31	Extreme Value Statistics of Large Container Ship Roll. <i>Journal of Ship Research</i> , 2016, 60, 92-100.	1.1	3