

Mengmeng Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11969337/publications.pdf>

Version: 2024-02-01

20
papers

286
citations

840776

11
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

104
citing authors

#	ARTICLE	IF	CITATIONS
1	A time domain prediction method for the vortex-induced vibrations of a flexible riser. <i>Marine Structures</i> , 2018, 59, 458-481.	3.8	31
2	Vortex-induced vibration of flexible pipe fitted with helical strakes in oscillatory flow. <i>Ocean Engineering</i> , 2019, 189, 106274.	4.3	29
3	An efficient time-domain prediction model for vortex-induced vibration of flexible risers under unsteady flows. <i>Marine Structures</i> , 2019, 64, 492-519.	3.8	27
4	Distribution of drag force coefficient along a flexible riser undergoing VIV in sheared flow. <i>Ocean Engineering</i> , 2016, 126, 1-11.	4.3	24
5	Time-varying hydrodynamics of a flexible riser under multi-frequency vortex-induced vibrations. <i>Journal of Fluids and Structures</i> , 2018, 80, 217-244.	3.4	23
6	Hydrodynamics of a flexible cylinder under modulated vortex-induced vibrations. <i>Journal of Fluids and Structures</i> , 2020, 94, 102913.	3.4	21
7	Hydrodynamic forces on a partially submerged cylinder at high Reynolds number in a steady flow. <i>Applied Ocean Research</i> , 2019, 88, 160-169.	4.1	20
8	Experimental investigation on vortex-induced force of a Steel Catenary Riser under in-plane vessel motion. <i>Marine Structures</i> , 2021, 78, 102882.	3.8	19
9	A hybrid FEM-DNN-based vortex-induced Vibration Prediction Method for Flexible Pipes under oscillatory flow in the time domain. <i>Ocean Engineering</i> , 2022, 246, 110488.	4.3	14
10	Hydrodynamics of Flexible Pipe With Staggered Buoyancy Elements Undergoing Vortex-Induced Vibrations. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2018, 140, .	1.2	13
11	Distribution of drag coefficients along a flexible pipe with helical strakes in uniform flow. <i>Ocean Engineering</i> , 2019, 184, 216-226.	4.3	13
12	Drag and added mass coefficients of a flexible pipe undergoing vortex-induced vibration in an oscillatory flow. <i>Ocean Engineering</i> , 2020, 210, 107541.	4.3	11
13	An experimental investigation on interfering VIVs of double and triple unequal-diameter flexible cylinders in tandem. <i>Marine Structures</i> , 2022, 84, 103247.	3.8	9
14	A modal space based direct method for vortex-induced vibration prediction of flexible risers. <i>Ocean Engineering</i> , 2018, 152, 191-202.	4.3	7
15	Magnification of hydrodynamic coefficients on a flexible pipe fitted with helical strakes in oscillatory flows. <i>Ocean Engineering</i> , 2020, 210, 107543.	4.3	7
16	Global motion reconstruction of a steel catenary riser under vessel motion. <i>Ships and Offshore Structures</i> , 2019, 14, 442-456.	1.9	4
17	Hydrodynamic Forces of a Semi-Submerged Cylinder in an Oscillatory Flow. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6404.	2.5	4
18	Experimental Investigation on Vortex-Induced Vibration of a Flexible Pipe under Higher Mode in an Oscillatory Flow. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 408.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Numerical investigation on the wave force characteristics of multi-cylinder with equilateral-triangular arrangement. <i>Ocean Engineering</i> , 2022, 243, 110245.	4.3	4
20	A Time Domain Prediction Method for Vortex-Induced Vibrations of a Flexible Pipe With Time-Varying Tension. , 2018, , .		2